

# Bechtel Power Corporation

Engineers — Constructors

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April 20, 1984

Mr. Richrad DeYoung, Director  
Office of Inspection & Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. DeYoung:

File: 0490.4  
SNUPPS Project, Bechtel Job No. 10466  
Failure of the Containment Cooling Fans  
To Remain in Safeguards Position  
Following SIS Reset at Callaway

The purpose of this letter is to provide supplemental information regarding the Final 10 CFR 50.55(e)/Part 21 Report U-80, filed by our client, Union Electric Company, on April 9, 1984.

Following initial notification on April 3, 1984, Union Electric sent its final report to the NRC Region III Office for a deficiency detected during preoperational testing of the Engineered Safety Features Actuation System at Callaway which involved the failure of the containment cooling fans to remain in slow speed (safeguards position) following the reset of a Safety Injection Signal (SIS). This is contrary to NRC IE Bulletin 80-06, which requires the equipment to remain in its emergency mode upon removal and/or manual resetting of the Emergency Safety Features actuating signal.

The deficiency is also reportable under 10 CFR 21 in that in the process of making a site-unique Callaway design change to allow remote speed control of the fans upon control room evacuation, the design change inadvertently modified the control scheme function that maintains the fans in slow speed following the reset of the SIS. The safety impact of the change on the operability of the system has not been evaluated. Rather than perform the extensive evaluation which would be required to establish safety significance, the circuit was modified.

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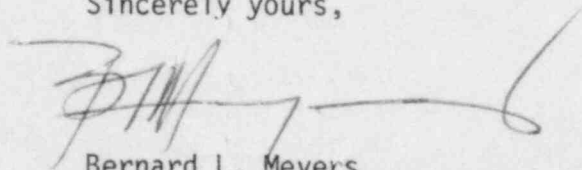
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The circuit now contains an interlock that will block the fans from returning to high speed after the SIS is removed and/or reset. The fans will remain in slow speed until the operator acts to restore fans to normal (fast speed). With the incorporation of this modification, the design of the containment cooling fan control circuitry is in compliance with NRC IE Bulletin 80-06.

Due to the nature of this design deficiency, we have concluded that it is unique to the SNUPPS Callaway Project, and does not apply to other Bechtel projects. We are, however, alerting our other divisions to this deficiency so that they can perform whatever investigation they feel are appropriate.

Sincerely yours,



Bernard L. Meyers  
Project Manager

JKJ/jmd

cc: Mr. C. E. Rossi, Office of Inspection & Enforcement, USNRC, Washington, D.C.  
Dr. T. E. Murley, Director, Region I, USNRC  
Mr. J. A. Keppler, Director, Region III, USNRC  
Mr. J. Collins, Director, Region IV, USNRC  
Mr. N. A. Petrick, SNUPPS  
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Mr. R. Grant, Kansas Gas & Electric Company  
Mr. F. D. Field, Union Electric Company