



Log # TXX-6931  
File # 10110  
910.4  
Ref # 10CFR50.55(e)

William G. Council  
Executive Vice President

November 6, 1987

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

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES)  
DOCKET NOS. 50-445 AND 50-446  
TURBINE DRIVEN AUXILIARY FEEDWATER PUMP  
BEARING TEMPERATURE  
SDAR: CP-87-50 (INTERIM REPORT)

Gentlemen:

On July 27, 1987, we verbally notified your Mr. H. S. Phillips of a deficiency involving abnormal thrust bearing temperatures on the turbine driven auxiliary feedwater pump. This is an interim report of a potentially reportable item under the provisions of 10CFR50.55(e). Our latest interim report on this issue was logged TXX-6681, dated August 31, 1987.

During startup testing of the Unit 1 turbine driven auxiliary feedwater pump (CP1-AFAPTD-01), an abnormally high temperature was identified for the thrust bearing. The pump manufacturer (Ingersoll-Rand), contacted to assist in determining the cause of the condition, indicated that the temperatures were not uncommon to the specific pump model (HMTA) and appear to be the result of improper installation and centering of the rotating element. Further, the vendor has indicated a technical bulletin is being prepared to provide more specific installation instructions in the pump manual that would eliminate misinterpretations of the installation requirements or design criteria.

We are continuing our evaluation of this issue and anticipate submitting our next report by January 15, 1988.

Very truly yours,

W. G. Council

W. G. Council

By:

D. R. Woodlan

Supervisor, Docket Licensing

8711130110 871106  
PDR ADOCK 05000445  
S PDR

MCP/tgj

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

TER 1/0