

August 13, 1980

TO: Mr. Boyce H. Grier, Director
Region I, U.S. Nuclear Regulatory Commission

FROM: L. B. Russell, Plant Superintendent
Calvert Cliffs Nuclear Power Plant

SUBJECT: Docket No. 50-317; Violation of Technical Specification 3.7.4.1
LER No. 80-41

This report is to confirm our verbal notification to Mr. Ralph Architzel, of your office, of a condition which could have prevented the fulfillment of the functional requirement of the service water system (T.S. 3.7.4.1) at Calvert Cliffs Unit One as required by Technical Specification 6.9.1.8.e (Prompt Notification with written follow-up). The event and cause descriptions are as follows.

At 0700 on August 12, 1980, with Unit One operating at 100% power indicated level in both #11 and #12 Service Water (SRW) head tanks went from normal operating level to full. About five (5) minutes later an isophase bus duct cooling low flow alarm was received. The Shift Supervisor immediately suspected that air was being introduced into the system. A subsequent investigation revealed that #11 Instrument Air Compressor After Cooler had failed causing air ingress to both service water subsystems. With both subsystems in operation the automatic vents provided adequate air removal capability to insure system operability. System pressure did not drop below the normal operating band in either subsystem during the event. After #11 Instrument Air Compressor Air Cooler was isolated, the service water system was restored to normal operation at 0800. LER 80-27 (U-1) describes a similar event.

More complete details as to the cause of the tube failure will be contained in the follow-up report.

LBR

L. B. Russell
Plant Superintendent

LBR/SMD/gla

cc: L. B. Russell
Director, Office of Management Information & Program Control
S. M. Davis
J. A. Tiernan
R. M. Douglass
R. E. Architzel

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