SMUD
SACRAMENTO MUNICIPAL UTILITY DISTRICT □ 6201 S Street, Box 15830, Sacramento, California 95813; (916) 452-3211

April 29, 1982

R H ENGELKEN, REGIONAL ADMINISTRATOR
REGION V OFFICE OF INSPECTION AND ENFORCEMENT
U S NUCLEAR REGULATORY COMMISSION
1450 MARIA LANE, SUITE 210
WALNUT CREEK CA 94596

DOCKET NO. 50-312
LICENSE NO. DPR-54
REPORTABLE OCCURRENCE NO. 82-10

In accordance with Rancho Seco Nuclear Generating Station Technical Specifications section 6.9.4.1.i and Regulatory Guide 1.16 section C.2.a.(9), the Sacramento Municipal Utility District hereby submits the following 14-day followup to Licensee Event Report number 82-10, as submitted to your office on April 20, 1982.

On April 19, 1982, inspection of the Rancho Seco Unit 1 "B" Once Through Stem Generator (OTSG) auxiliary feedwater header ring revealed deformations similar to that reported for Davis-Besse, Unit 1. Inspection of the Rancho Seco "A" OTSG on April 20, 1982, revealed similar deformations to the "B" OTSG.

The cause of these deformations has not yet been determined and analysis is continuing. Additional inspections of the header ring will be performed to provide more data.

Regardless of the specific cause of the deformation, the consensus among Babcock and Wilcox (B&W) and the B&W owners is that the cause appears to be related to the location of the header inside the OTSG. For this reason, a corrective action has been proposed that entails the following steps.

a. The present header ring should be "stabilized" to prevent its detachment from the cylindrical baffle and its possible impingement on the tubes.

b. Installation of a new ring header external to the OTSG's (similar to the main feedwater header ring) using 4 to 6 penetrations for inlet nozzles.

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The District's engineers are pursuing this proposed design "fix" with B&W and the owners group. A followup to this LER will be submitted when a more finalized corrective action has been determined and a schedule for completion can be established.

There were no transients associated with this event, however the outage originally taken to repair the HPI nozzles has been extended due to this problem. There was no effect on public or plant safety due to this event.

John J. Mattimoe

John J. Mattimoe
Assistant General Manager
and Chief Engineer

cc: I&E Washington (30)
MIPC (3)
INPO