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

August 19, 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 50-312
LICENSE DPR-54
LICENSEE EVENT REPORT NO. 82-20

In accordance with Rancho Seco Nuclear Generating Station Technical Specification, Section 6.9.4.2.d and Regulatory Guide 1.16, Section C.2.b.4, the Sacramento Municipal Utility District hereby submits a 30-day report of Licensee Event Report No. 82-20.

On July 26, 1982, Rancho Seco operations personnel were attempting to put a nitrogen blanket on the pressurizer. Originally, valve HV-21515 was used for this purpose, but, due to its design, it allows very little flow to pass toward the pressurizer, counter to its normal flow direction.

To facilitate the addition of nitrogen, a hose was connected between NGS-525 and RCS 494 and the system was then pressurized through the Pressurizer Liquid Sample Line. However, once pressure had equalized between the Nitrogen Gas System (NGS) pressure and the Pressurizer, water from the Pressurizer flowed into the NGS.

The NGS was isolated, flushed, and drained to remove contamination, but not before contaminated nitrogen had been added to the Once Through Steam Generators (OTSG). Since these were on recirculation, decontamination was easily accomplished.

Initial samples of the NGS indicated values as follows: Tritium = 2.3E-3 uci/cc; Gross B = 1.1E-4 uci/cc; Cs 134 = 3.4E-7 uci/cc; Cs 137= 5E-7 uci/cc. After flushing, the contamination was reduced to below detectable levels.

The District is reviewing engineering alternatives to provide a satisfactory nitrogen gas addition method for the pressurizer. A follow-up to this Licensee Event Report will be written by January 1, 1983 to provide details of the method selected.

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There was no effect on plant or public safety, nor was the current outage extended.

John Mattimoe

John J. Mattimoe
Assistant General Manager
and Chief Engineer

cc: DCD, Washington
INPO