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

March 22, 197

Director of Nuclear Reactor Regulation Attention: Mr. Robert W. Reid, Chief Operating Reactors, Branch 4 U. S. Nuclear Regulatory Commission Washington, D. C. 20555

> Docket No. 50-312 Rancho Seco Nuclear Generating Station, Unit No. 1

Dear Mr. Reid:

In response to Mr. Olshan's March 17, 1977 telephone request for information on the operating history of our steam generators, we have completed your questionnaire. This information was telecopied to Mr. Olshan on March 22, 1977 to meet your schedule requirements.

Sincerely yours,

J. J. Mattimoe

Assistant General Manager

and Chief Engineer

Enclosure

IN ELECTRIC SYSTEM SERVING MORE THAN 600 000 IN THE HEART OF CALIFORN

ATTACHMENT 2

Utility:

Sacramento Municipal Utility District

	Plant Name: Rancho Seco Nuclear Generating Unit No. 1 Docket No.: 50-312
	30-312
١.	Significant operating history:
	 O. L. dat: August 16, 1974 Full power operation: March 5, 1976 Major period(s) of down time (nonrefueling): June 1975 to March 1976 - Turbine blade failure; April 1976 to October 1976 - Generator rewind
	Materials of construction for major secondary system components:
	 S. G. tubes: Inconel #600 S. G. tube sheet: ASTM-A-508-64, Class 2 S. G. tube support plates: ASME-SA-515, Grade 70 Condenser tubes: Type 304 Stainless Steel Other: Feedwater heater tube changed from carbon steel to stainless - MSR tubes carbon steel
	Operational history of secondary water treatment:
	 Period of use of phosphates: None Period of use of AVT: 100% of operations Period of use of condensate demineralization: 100% of operations Other:
	Condenser cooling water - typical chemical composition:
	$P_{H} = 7.5$ Alkalinity = 21
	Specific Cond. = 800 Silica = 56
	Hardness = 328 Suspended Solids = 35
	History of significant condenser tube leakage:
	 Date discovered: October 1974 How discovered: Following a turbine trip Leakage associated: Tubes ruptured by metal lagging blown off of feedwater heaters
	Denting history:
	1. Date discovered: Not applicable 2. How discovered: None 3. Leakage associated (gpm): None
	Steam Generator Tube plugging history:
	1. Dates: None plugged 2. Number of tubes:
	Operating restrictions imposed on the plant due to degraded S.G. conditions: None - Steam generators are operated at full load