

50-312

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

Mr. Robert W. Reid

FROM:
Sacramento Municipal Utility Dist.
Sacramento, California
J. J. Mattimoe

DATE OF DOCUMENT
3/22/77

DATE RECEIVED
3/28/77

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DESCRIPTION

Ltr. trans the following:

ENCLOSURE

Consists of information on the operating history of their steam generators.....

(1P)

(1P)

PLANT NAME:

Rancho Seco

RJL

ACKNOWLEDGED
DO NOT REMOVE

SAFETY

FOR ACTION/INFORMATION

ENVIRO

ASSIGNED AD:		ASSIGNED AD:
BRANCH CHIEF:	Reid (5)	BRANCH CHIEF:
PROJECT MANAGER:	Rooney	PROJECT MANAGER:
LIC. ASST. :	Ingram	LIC. ASST. :

INTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> REG FILE	SYSTEMS SAFETY	PLANT SYSTEMS	SITE SAFETY &
<input checked="" type="checkbox"/> NRC PDR	HEINEMAN	TEDESCO	ENVIRO ANALYSIS
<input checked="" type="checkbox"/> I & E (2)	SCHROEDER	BENAROYA	DENTON & MULLER
<input checked="" type="checkbox"/> OELD		LAINAS	
<input checked="" type="checkbox"/> GOSSICK & STAFF	ENGINEERING	IPPOLITO	ENVIRO TECH.
MIPC	MACARRY	KIRKWOOD	ERNST
CASE	BOSNAK		BALLARD
HANAUER	SIHWEIL	OPERATING REACTORS	YOUNGBLOOD
HARLESS	PAWLICKI	STELLO	
			SITE TECH.
PROJECT MANAGEMENT	REACTOR SAFETY	OPERATING TECH.	GAMMILL
BOYD	ROSS	EISENHUT	STEPP
P. COLLINS	NOVAK	SHAO	HULMAN
HOUSTON	ROSZTOCZY	BAER	
PETERSON	CHECK	BUTLER	SITE ANALYSIS
MELTZ		GRIMES	VOLLMER
HELTEMES	AT & I		BUNCH
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EXTERNAL DISTRIBUTION

CONTROL NUMBER

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

March 22, 1977



Regulatory

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

770870034

ATTACHMENT 2

Utility: Sacramento Municipal Utility District
Plant Name: Rancho Seco Nuclear Generating Station
Unit No. 1
Docket No.: 50-312

A. Significant operating history:

1. O. L. date: August 16, 1974
2. Full power operation: March 5, 1976
3. Major period(s) of down time (nonrefueling): June 1975 to March 1976 - Turbine blade failure; April 1976 to October 1976 - Generator rewind

B. Materials of construction for major secondary system components:

1. S. G. tubes: Inconel #600
2. S. G. tube sheet: ASTM-A-508-64, Class 2
3. S. G. tube support plates: ASME-SA-515, Grade 70
4. Condenser tubes: Type 304 Stainless Steel
5. Other: Feedwater heater tube changed from carbon steel to stainless - MSR tubes carbon steel

C. Operational history of secondary water treatment:

1. Period of use of phosphates: None
2. Period of use of AVT: 100% of operations
3. Period of use of condensate demineralization: 100% of operations
4. Other: _____

D. Condenser cooling water - typical chemical composition:

$P_H = 7.5$	Alkalinity = 21
Specific Cond. = 800	Silica = 56
Hardness = 328	Suspended Solids = 35

E. History of significant condenser tube leakage:

1. Date discovered: October 1974
2. How discovered: Following a turbine trip
3. Leakage associated: Tubes ruptured by metal lagging blown off of feedwater heaters

F. Denting history:

1. Date discovered: Not applicable
2. How discovered: _____
3. Leakage associated (gpm): None

G. Steam Generator Tube plugging history:

1. Dates: None plugged
2. Number of tubes: _____

H. Operating restrictions imposed on the plant due to degraded S.G. conditions:
None - Steam generators are operated at full load