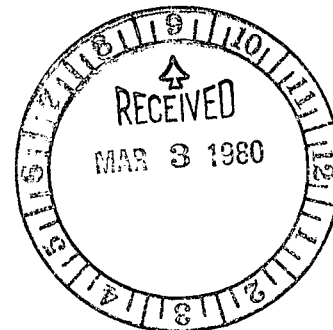


*Southern California Edison Company*



P. O. BOX 800  
2244 WALNUT GROVE AVENUE  
ROSEMEAD, CALIFORNIA 91770

February 29, 1980



U. S. Nuclear Regulatory Commission  
Region V  
Suite 202, Walnut Creek Plaza  
1990 North California Boulevard  
Walnut Creek, California 94596

Attention: Mr. R. H. Engelken, Director

Docket No. 50-206  
San Onofre Unit 1

Dear Sir:

This letter describes a reportable occurrence involving the circulating water system. Submittal is in accordance with the reporting requirements stipulated in Section 5.6.3.a of Appendix B to the Provisional Operating License DPR-13.

On Monday, February 18, 1980 at 0100, plant power was reduced to 300 MW in order to permit cleaning on the north half of the main condenser. The cleaning was necessitated by an unusually large influx of seaweed and sea-grass caused by a series of storms and an extended period of rough off-shore seas. At 0420 the cleaning of the north half was complete and it was returned to service. Immediately after the north half was placed in service the south half was removed and cleared for cleaning.

At 0459 the delta T across the condenser increased to 38.5°F, which is greater than the limit of 38°F of Environmental Technical Specification 2.1.1. This was caused by the continued inflow of seaweed and seagrass into the operating half of the condenser, which increased condenser differential pressure, decreased circulating water flow and thus increased condenser delta T. This influx of seaweed and seagrass was due to a minor malfunction in the circulating water traveling screen debris washing system. This resulted in seaweed being carried into the circulating water system.

*CO3  
3/1*

*8003040 642*

*80-58*

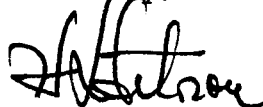
U. S. Nuclear Regulatory Commission  
Page 2

The maximum condenser delta T recorded during this incident was 39.6°F at 0504. In accordance with the requirements of Environmental Technical Specification 2.2.1 reactor power was decreased such that the differential temperature was less than 38°F at 0509. Since the duration and degree of excessive temperature associated with this event was small, there was no impact on the environment.

After the rough off-shore seas returned to normal the inflow of seaweed and seagrass returned to normal. Shortly after the incident the traveling screen debris washing system was repaired.

If you should require additional information concerning this occurrence, please contact me.

Sincerely,



H. L. Ottoson  
Manager, Nuclear Generation

Attachment: Licensee Event Report No. 80-005

cc: Director, Office of Inspection and Enforcement (40)  
Director, Office of Management Information & Program Control (3)  
Director, Nuclear Safety Analysis Center

**LICENSEE EVENT REPORT**

CONTROL BLOCK: \_\_\_\_\_ (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 C A S O S 1 2 0 0 - 0 0 0 0 0 0 - 0 0 0 3 4 1 1 1 1 4 5  
7 8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

CON'T  
0 1 REPORT SOURCE L 6 0 5 0 0 0 2 0 6 7 0 2 1 8 8 0 8 0 2 2 8 8 0 9  
7 8 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)  
0 2 | During operation on one condenser half, seaweed partially blocked flow of in service |  
0 3 | condenser half causing condenser differential temperature to exceed the limit of 38°F |  
0 4 | \_\_\_\_\_ |  
0 5 | \_\_\_\_\_ |  
0 6 | \_\_\_\_\_ |  
0 7 | \_\_\_\_\_ |  
0 8 | \_\_\_\_\_ |

0 9 SYSTEM CODE H F (11) CAUSE CODE C (12) CAUSE SUBCODE Z (13) COMPONENT CODE Z Z Z Z Z Z Z (14) COMP. SUBCODE Z (15) VALVE SUBCODE Z (16)  
7 8 9 10 11 12 13 14 15 16 17 18 19 20  
17 LER/RO REPORT NUMBER 8 0 (21) EVENT YEAR 8 0 (22) SEQUENTIAL REPORT NO. 0 0 5 (24) OCCURRENCE CODE / (27) REPORT TYPE T (30) REVISION NO. 0 (32)  
ACTION TAKEN Z (18) FUTURE ACTION Z (19) EFFECT ON PLANT B (20) SHUTDOWN METHOD Z (21) HOURS 0 0 0 0 (22) ATTACHMENT SUBMITTED Y (23) NPRD-4 FORM SUB. N (24) PRIME COMP. SUPPLIER Z (25) COMPONENT MANUFACTURER Z 9 9 9 (26)  
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)  
1 0 | A series of heavy storms increased inflow of seaweed. While one half of the condenser |  
1 1 | was out of service for cleaning, seaweed entered the in service condenser half, re- |  
1 2 | duced flow and caused excessive delta T. Power was reduced until delta T was in |  
1 3 | limits. |  
1 4 | \_\_\_\_\_ |

1 5 FACILITY STATUS F (28) % POWER \_\_\_\_\_ (29) OTHER STATUS NA (30) METHOD OF DISCOVERY A (31) DISCOVERY DESCRIPTION High condenser delta T alarm (32)  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1 6 RELEASED OF RELEASE Z (33) Z (34) AMOUNT OF ACTIVITY NA (35) LOCATION OF RELEASE (36)  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1 7 PERSONNEL EXPOSURES NUMBER 0 0 0 (37) TYPE \_\_\_\_\_ (38) DESCRIPTION NA (39)  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1 8 PERSONNEL INJURIES NUMBER 0 0 0 (40) DESCRIPTION NA (41)  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1 9 LOSS OF OR DAMAGE TO FACILITY TYPE Z (42) DESCRIPTION NA (43)  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

2 0 PUBLICITY ISSUED N (44) DESCRIPTION NA (45) NRC USE ONLY \_\_\_\_\_  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

NAME OF PREPARER J. M. Curran PHONE: (714) 492-7700