SOUTHERN CALIFORNIA
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April 14, 1997

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D. C. 20555

Subject: Docket No. 50-206
Report of NPDES Permit Violation
San Onofre Nuclear Generating Station Unit 1

Reference: Letter from H. W. Newton (SCE) to John Robertus (California Regional Water Quality Control Board, San Diego Region), NPDES Monitoring Report Unit 1, March 24, 1997

Section D6.15.2.C of the Permanently Defueled Technical Specifications to Facility License No. DPR-13 for San Onofre Unit 1 requires violations of the NPDES Permit or State certification, (pursuant to section 401 of the Clean Water Act) to be reported to the NRC by submittal of copies of the reports required by the NPDES Permit or certification.

The above referenced letter reported NPDES Permit violations during the month of February 1997, to the California Regional Water Quality Control Board, San Diego Region. As discussed in the enclosed report, on February 19, 1997, the Unit 1 Sewage Treatment Effluent exceeded the instantaneous NPDES limit of 3.0 ml/l. This also caused three exceedances of the weekly average effluent limit of 1.5 ml/l. A failure to the level float switches that operate the influent pumps to the Unit 1 sewage treatment plant contributed to the high settleable solids condition. This event was corrected the same day, and no further problems have occurred.

If you have any questions, please contact me.

Sincerely,

Gregory T. Gibson
Manager, Compliance

Enclosure

cc: E. W. Merschoff, Administrator, NRC Region IV
A. T. Howell, III, Director, Division of Reactor Safety, NRC Region IV
K. E. Perkins, Jr., Director, Walnut Creek Field Office, NRC Region IV
M. K. Webb, NRC Project Manager, San Onofre Unit 1
Louis Carson, Regional Project Inspector, San Onofre Unit 1
J. A. Sloan, NRC Senior Resident Inspector, San Onofre Units 2 & 3
S. S. Bajwa, Section Chief, Decommissioning Section

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March 24, 1997

Mr. John Robertus
California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Boulevard, Suite B
San Diego, California 92124-1331

SUBJECT: NPDES Discharge Monitoring Report
San Onofre Nuclear Generating Station, Unit 1

Dear Mr. Robertus:

The NPDES Discharge Monitoring Report (DMR) for San Onofre Unit 1 covering the month of February is submitted in accordance with the requirements of Order No. 95-02 (NPDES Permit No. CA0001228). A summary of the generating unit's status and significant analytical results is provided below.

The unit was permanently removed from service in November 1992. All sampled water sources were found to be within permit limits with one exception.

On 2/19/97 at 0900 a sample obtained on the Unit 1 Sewage Treatment Effluent indicated a settleable solids value of 4.7 ml/l. This was above the instantaneous limit of 3.0 ml/l. In addition, this resulted in three exceedances of the weekly average effluent limit of 1.5 ml/l. The settleable solids condition at the plant returned to limits later that day. The cause of the event was determined to be equipment failure which resulted in excessive flow through the plant which contributed to the high settleable solids condition. The problem was found to be in the level float switches that operate the influent pumps to the Unit 1 sewage treatment plant. The problem with the floats was corrected and no further suspended solids problems have occurred.

Pursuant to Order No. 95-02, Reporting Requirement 14, the following representative has prepared and is authorized to sign the reports required by this order: Robert K. Heckler, Environmental Engineer.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate,

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and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

H W. Newton
Manager, Site Support Services

Enclosure

cc: Environmental Protection Agency, Region IX

Southern California Edison Monthly Report

Facility :	Songs Unit 1	Exact Sample Point :	Intake and Discharge Conduits
Order No :	95-02		
Report Freq :	Monthly	Collected By :	Songs Envir Grp
Report For :	February 1997	Analyzed By :	Songs Envir Grp
Report Due:	Mar 30, 1997	Signed :	
Waste Stream :	Water Intake and Combined Discharge	Title :	Environmental Engineer

PARAMETER: Temperature Difference (degrees Fahrenheit) = Temperature at Saltwater Cooling Outlet Minus Temperature at Saltwater Cooling Inlet

Date and Time	Saltwater Cooling Outlet °F	Saltwater Cooling Inlet °F	Calculated ΔT
2/13/97 7:30 am	60.0	58.0	2.0
2/13/97 9:30 am	60.0	58.0	2.0
2/13/97 11:30 am	60.0	58.0	2.0
2/13/97 1:30 pm	60.0	58.0	2.0
2/13/97 3:30 pm	60.0	58.0	2.0
Avg	60.0	58.0	2.0
Max	60.0	58.0	2.0
Reqt	--	--	5

Southern California Edison Monthly Report

Facility : Songs Unit 1
Order No : 95-02
Report Freq : Monthly
Report For : February 1997
Report Due : Mar 30, 1997
Waste Stream : Combined Discharge Low Volume Waste and Sewage

Exact Sample Point : Points of Discharge
Collected By : Songs Envir Grp
Analysed By : Songs Envir Grp
Signed : Robert Hedsler
Title : Environmental Engineer

Parameter : Flow Rate
Units : Million Gallons per Day (MGD)

Date	Combined Discharge	Circ Water Intake	Total Low Volume Waste	Total Sewage Treatment
1	5.070	5.040	0.010	0.020
2	5.070	5.040	0.010	0.020
3	5.090	5.040	0.010	0.040
4	5.094	5.040	0.010	0.044
5	5.090	5.040	0.010	0.040
6	5.082	5.040	0.010	0.032
7	5.067	5.040	0.010	0.017
8	5.067	5.040	0.010	0.017
9	5.067	5.040	0.010	0.017
10	5.084	5.040	0.010	0.034
11	5.082	5.040	0.010	0.032
12	5.087	5.040	0.010	0.037
13	5.077	5.040	0.010	0.027
14	5.065	5.040	0.010	0.015
15	5.065	5.040	0.010	0.015
16	5.065	5.040	0.010	0.015
17	5.065	5.040	0.010	0.015
18	5.078	5.040	0.010	0.028
19	5.073	5.040	0.010	0.023
20	5.083	5.040	0.010	0.033
21	5.080	5.040	0.010	0.030
22	5.061	5.040	0.010	0.011
23	5.061	5.040	0.010	0.011
24	5.077	5.040	0.010	0.027
25	5.081	5.040	0.010	0.031
26	5.078	5.040	0.010	0.028
27	5.075	5.040	0.010	0.025
28	5.064	5.040	0.010	0.014
Avg	5.075	5.040	0.010	0.025
Reqt	13.76		0.510	0.160

Southern California Edison Monthly Report

Facility : Songs Unit 1
Order No : 95-02
Report Freq : Monthly
Report For : February 1997
Report Due : Mar 30, 1997
Waste Stream : Combined Discharge

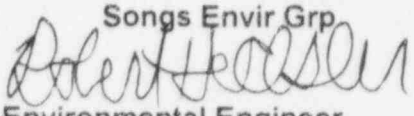
Exact Sample Point : Point of Discharge
Collected By : Songs Envir Grp
Analyzed By : Songs Envir Grp
Signed :
Title : Environmental Engineer

Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
Turbidity	NTU	GRAB	Monthly Avg	75	2.4	2/02/97 11:15 am
	NTU	GRAB	Weekly Avg	100	2.4	2/02/97 11:15 am
	NTU	GRAB	Inst Max	225	2.4	2/02/97 11:15 am
pH	- -	GRAB	- -	6 - 9	8.0	2/02/97 11:15 am
Total Residual Chlorine	ug/l lbs/day	GRAB	6 Month Median	7 0.8	*	*
	ug/l lbs/day	GRAB	Daily Max	30 3	*	*
	ug/l lbs/day	GRAB	Inst Max	200 23	*	*

* NO CHLORINATION PERFORMED IN FEBRUARY 1997

Southern California Edison Monthly Report

Facility : Songs Unit 1
Order No : 95-02
Report Freq : Monthly
Report For : February 1997
Report Due : Mar 30, 1997
Waste Stream : Plant Drains (Low Volume Waste)

Exact Sample Point : Point of Discharge
Collected By : Songs Envir Grp
Analyzed By : Songs Envir Grp
Signed : 
Title : Environmental Engineer

Parameter	Units	Sample Type	Req't Type	Req't Value		Result Value	Date & Time Collected
Total Suspended Solids	mg/l	GRAB	Monthly Avg	30		2.5	2/2/97
	lbs/day			130		0.21	11:00 am
	mg/l	GRAB	Daily Max	100		2.5	2/2/97
	lbs/day			430		0.2	11:00 am
	mg/	GRAB	Inst Max	100		2.5	2/2/97
	lbs/day			430		0.2	11:00 am
Grease and Oil	mg/l	GRAB	Monthly Avg	15	<	2.2	2/2/97
	lbs/day			64	<	0.18	11:00 am
	mg/l	GRAB	Daily Avg	20	<	2.2	2/2/97
	lbs/day			85	<	0.2	11:00 am
	mg/l	GRAB	Inst Max	20	<	2.2	2/2/97
	lbs/day			85	<	0.2	11:00 am

Southern California Edison Monthly Report

Facility : Songs Unit 1
Order No : 95-02
Report Freq : Monthly
Report For : February 1997
Report Due : Mar 30, 1997
Waste Stream : Rad Waste System (Low Volume Waste)

Exact Sample Point : Point of Discharge
Collected By : Songs Envir Grp
Analyzed By : Songs Envir Grp
Signed : Robert Hoadley
Title : Environmental Engineer

Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
Total Suspended Solids	mg/l lbs/day	GRAB	Monthly Avg	30 130	*	*
	mg/l lbs/day	GRAB	Daily Max	100 430	*	*
	mg/ lbs/day	GRAB	Inst Max	100 430	*	*
Grease and Oil	mg/l lbs/day	GRAB	Monthly Avg	15 64	*	*
	mg/l lbs/day	GRAB	Daily Avg	20 85	*	*
	mg/l lbs/day	GRAB	Inst Max	20 85	*	*

* NO FLOW IN FEBRUARY 1997

Southern California Edison Monthly Report

Facility : Songs Unit 1
Order No : 95-02
Report Freq : Monthly
Report For : February 1997
Report Due : Mar 30, 1997
Waste Stream : Sewage Treatment

Exact Sample Point : Point of Discharge
Collected By : Songs Envir Grp
Analyzed By : Songs Chemistry
Signed : Robert Hooksler
Title : Environmental Engineer

	Units	Sample Type	Date/Time of Sample	Daily Max Sample Value	Daily Max Req't Value	Monthly Avg Sample Value	Monthly Avg Req Value
Sewage - - Unit I							
Inf T.S.S	mg/l	GRAB	09:56	1294.0	--	1294.0	--
	lbs/day		2/19/97	474.8	--	269.8	--
EFF G&O	mg/l	GRAB	13:25	< 2.2	75	< 2.2	25
	lbs/day		2/21/97	< 0.8	63	< 0.5	21
EFF T.S.S	mg/	GRAB	08:55	15.6	323.5	15.6	323.5
	lbs/day		2/26/97	5.7	118.7	3.3	67.4
Sett. Solids	ml/l	GRAB	09:00 2/19/97	4.7	3.0	0.5	1.0
pH	Units	GRAB	09:00 2/20/97	7.5	6.0 - 9.0	7.5	6.0 - 9. 0
Turbidity	NTU	GRAB	12:20 2/21/97	8	225	8	75
Sewage - - Mesa							
Inf T.S.S	mg/l	GRAB			--		--
	lbs/day			*	--	*	--
EFF G&O	mg/l	GRAB			75		25
	lbs/day			*	63	*	21
EFF T.S.S	mg/l	GRAB					
	lbs/day			*		*	
Sett. Solids	ml/l	GRAB		*	3.0	*	1.0
pH	Units	GRAB		*	6.0 - 9.0	*	6.0 - 9.0
Turbidity	NTU	GRAB		*	225	*	75

*Mesa Sewage Treated at Unit 1 Sewage Treatment Plant