



Southern California Edison Company

P. O. BOX 126

SAN CLEMENTE, CALIFORNIA 92674-0126

July 17, 1996

WALTER C. MARSH
MANAGER OF NUCLEAR REGULATORY AFFAIRS

TELEPHONE
(714) 368-7501

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

Subject: Docket No. 50-361 and 50-362
Report of NPDES Permit Violations
San Onofre Nuclear Generating Station, Units 2 and 3

- References: 1) Letter from H. W. Newton (SCE) to John Robertus
(California Regional Water Quality Control
Board, San Diego Region), NPDES Monitoring
Report Unit 2, June 25, 1996
- 2) Letter from H. W. Newton (SCE) to John Robertus
(California Regional Water Quality Control
Board, San Diego Region), NPDES Monitoring
Report Unit 3, June 25, 1996

Section 3.2 of Appendix B to Facility License Nos. NPF-10 and NPF-15 for San Onofre Nuclear Generating Station (SONGS), Units 2 and 3, require violations of the National Pollutant Discharge Elimination System (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.

This letter provides copies of the May 1996, NPDES discharge monitoring reports for SONGS, Units 2 and 3. As discussed in the enclosed reports, on May 5, 1996, 2,000 gallons of water with a pH of 1.7 was released from the High Flow Makeup Demineralizer waste neutralization tank. Because the normal plant discharge recirculates approximately 880,000 gallons of sea water each minute, Edison believes the 2000 gallon pH 1.7 release was diluted sufficiently to preclude exceeding the combined discharge pH release limits. Additionally, due to weather related conditions and difficulties in obtaining a representative test sample, Edison was not able to obtain chronic toxicity results

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for the Unit 2 and 3 combined discharge paths for the month of May 1996. The details of these events are discussed in the enclosed reports.

If you have any questions, please contact me.

Sincerely,

James E. Napolitano

Enclosure

cc: L. J. Callan, Regional Administrator, NRC Region IV
M. B. Fields, NRC Project Manager, San Onofre Units 2 and 3
J. A. Sloan, NRC Senior Resident Inspector, San Onofre
Units 2 & 3

Southern California Edison Company

P. O. BOX 128

SAN CLEMENTE, CALIFORNIA 92674

H. W. NEWTON
MANAGER
SITE SUPPORT SERVICES

June 25, 1996

TELEPHONE
(714) 368-9940

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 3

Dear Mr. Robertus:

The NPDES Discharge Monitoring Report (DMR) for San Onofre Unit 3 covering the month of May is submitted in accordance with the requirements of Order No. 94-50 (NPDES Permit No. CA0108181). A summary of the generating unit's status and significant analytical results is provided below.

The unit was operational all month. All sampled water sources were found to be within permit limits.

On May 5, 1996, the High Flow Makeup Demineralizer Waste Neutralization tank released 2,000 gallons of low pH water to the Unit 3 outfall. This release also went to Unit 2 outfall at the same time. To avoid being redundant, the event's details and corrective actions are documented in the Unit 2 monthly report.

Also, we were unable to obtain chronic toxicity results on the U3 combined discharge for the month of May. Due to high temperatures and other conditions offshore, the contract laboratory was not able to obtain healthy germinating kelp specimens to perform the test for two samples that we provided during the month (see letter attached from Ogden Environmental Laboratories). A third sample was collected, but due to equipment malfunction, the sample was deemed nonrepresentative and the test results were invalid.

Pursuant to Order No. 94-49, Reporting Requirement 10, 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 I have personally examined and am familiar with the information submitted in the attached document, and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Sincerely,

A handwritten signature in dark ink, appearing to read 'H. W. Newton', with a stylized flourish extending from the end.

H. W. Newton

Manager, Site Support Services

Enclosure

cc: Environmental Protection Agency, Region IX

bcc: W. C. Marsh/K. Yhip
H. W. Newton/M. J. Johnson - w/o enclosure
R. V. D. Reid/D. W. Kay
N. J. Mascolo - w/o enclosure
C. Williams - w/o enclosure
K. T. Herbinson
J. Demlow - w/o enclosure
CDM Files
IDB - NPDES/R. K. Heckler



ENVIRONMENTAL AND ENERGY SERVICES

5510 Morehouse Drive
San Diego, CA 92121
619 458-9044 Fax 619 458 0943

California Lab Certification No. 1802

June 21, 1996

Southern California Edison
San Onofre Nuclear Generating Station
P.O. Box 128, Building W-44
San Clemente, California 92674

Attn: Robert Heckler

I am writing as follow up to our recent conversation about the status of monitoring for May 1996. Testing events were scheduled for three dates during May, the 8th, 22nd, and 29th, and no attempt made to test San Onofre Unit 2 or Unit 3 generated successful results for submittal. During the month of May, the conditions offshore in the kelp beds near both La Jolla and Point Loma, where we collect specimens for testing, were unusual and not prime for sporophyll condition. Twice during the month, the water temperature shifted more than 10°F over a one to three day period, ranging to a high of over 70°F. This is quite a bit warmer than usual and precipitates a release of kelp spores into the water column prior to organism collection. When we then bring the plants into the lab, many of the healthy spores have already been released by temperature shock and the subsequent spores released in the lab are of lesser number, motility, and general quality.

We attempted a total of seventeen tests during the first three weeks of May, including four for San Onofre, and four of the seventeen were successful. As we routinely conduct this assay with no problems and meet all listed acceptability criteria in doing so, we attribute the problems experienced during this period to the weather. The criterion impacted by these conditions was control germination percentage. Seventy percent is the minimum acceptable level and during the warm water period we observed as low as fifty-three percent. Routine control results are consistently ninety percent or greater. The final attempt made to conduct this testing during May was deemed invalid due to a sampling problem reported by San Onofre personnel. We conclude that diligent attempts were made to complete testing during May 1996 and that under the given weather conditions and the resultant window of opportunity to generate acceptable results, no further action for May was possible. As such, no results will be forthcoming for Units 2 and 3 for the monitoring period of May 1996.

The testing for June is complete and valid and indicates no toxicity at either Unit 2 or Unit 3. Should you wish me to further discuss this situation with your Regional Board representative, I would be more than happy to address any concerns they might have. You may refer them to me at (619) 458-9044 ext. 300 for additional clarification or detail. Please feel free to call as always if you should have questions. Thanks for your consideration.

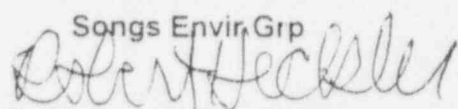
Sincerely,

A handwritten signature in black ink, appearing to read "M. Schwartz".

Marilyn J. Schwartz
Supervisor, Ogden Bioassay Lab

Southern California Edison Monthly Report

Page 1 of 17

Facility :	Songs Unit 3	Exact Sample Point :	Intake and
Order No :	94-50		Discharge Conduits
Report Freq :	Monthly	Collected By :	Songs Envir Grp
Report For :	May 1996	Analyzed By :	Songs Envir Grp
Report Due:	Jun 30, 1996	Signed :	
Waste Stream :	Water Intake and Combined Discharge	Title :	Environmental Engineer

PARAMETER: Temperature Difference (degrees Fahrenheit) = Temperature
at Combined Discharge Minus Temperature at Water Intake

Date	Combined Discharge	Water Intake		Daily Avg Diff
	Avg	Avg	Max	
5-1-96	83	64	65	19
5-2-96	85	66	67	19
5-3-96	86	67	68	19
5-4-96	86	68	69	19
5-5-96	86	68	69	18
5-6-96	87	68	70	18
5-7-96	86	68	69	18
5-8-96	87	68	69	18
5-9-96	87	68	70	19
5-10-96	86	67	68	19
5-11-96	86	67	68	19
5-12-96	85	66	68	19
5-13-96	86	68	70	19
5-14-96	88	69	69	19
5-15-96	87	68	69	19
5-16-96	87	68	68	19
5-17-96	88	68	69	19
5-18-96	87	62	66	25
5-19-96	79	60	63	18
5-20-96	81	62	64	19
5-21-96	82	63	65	19
5-22-96	83	64	65	19
5-23-96	82	65	70	17
5-24-96	84	65	65	19
5-25-96	84	65	65	19
5-26-96	84	65	66	19
5-27-96	84	65	66	19
5-28-96	84	65	66	19
5-29-96	84	64	65	19
5-30-96	82	63	65	19
5-31-96	84	65	66	19
Avg	85	66	67	19
Reqt	--	--	--	20

Heat Treatment Occured : May 18, 1996

Southern California Edison Monthly Report Page 2 of 17

Facility : Songs Unit 3 Exact Sample Point : Intake and Screenwell
 Order No : 94-50
 Report Freq : Monthly Collected By : Instrumentation
 Report For : May 1996 Analyzed By : Songs Envir Grp
 Report Due : Jun 30, 1996
 Report Topic : Intake Conduit and Screenwell Heat Treatment
 Signed : *Robert H. Hessler*
 Title : Environmental Engineer

Intake and Screenwell Heat Treatment Occured This Month.

PARAMETER	UNITS	REQUIREMENT	RESULT	
Date/Time Treatment Began	--	--	5/18/96	06:00 pm
Date/Time Treatment Ended	--	--	5/18/96	07:00 pm
Total Time of Treatment	hours	--	1.00	
Maximum Screenwell Temperature Attained (Screenwell Target Temperature)	degr F	* 100	103	
Screenwell Target Temp Duration	hours	* 2.1	1	

Following Section only Completed if Screenwell Target Temperature was Exceeded.

Maximum Screenwell Temperature Attained	degr F	--	N/A
Degrees Above Screenwell Target Temperature	degr F	10	N/A
Maximum Screenwell Temp Duration	min	15	N/A

* Value Varies (From the Mussel Mortality Graph)

Southern California Edison Monthly Report Page 3 of 17

Facility : Songs Unit 3

Exact Sample Point : Intake and
Screenwell

Order No : 94-50

Report Freq : Monthly


Collected By : Instrumentation

Report For : May 1996

Analyzed By : Songs Envir Grp

Report Due : Jun 30, 1996

Report Topic : Intake Conduit and
Screenwell Heat Treatment

Signed : 
Title : Environmental Engineer

Intake and Screenwell Heat Treatment Occured This Month.

PARAMETER	UNITS	REQUIREMENT	RESULT
Maximum Intake Conduit Temperature Attained (Intake Conduit Target Temperature)	degr F	125	122
Screenwell Target Temp Duration	hours	* 2.1	1

Following Section only Completed if Intake Target Temperature was exceeded.

Maximum intake Conduit Temperature Attained	degr F	--	N/A
Degrees Above Intake Conduit Target Temperature	degr F	10	N/A
Maximum Intake Conduit Temp Duration (Minutes)	min	15	N/A

* Value Varies (From the Mussel Mortality Curve)

Southern California Edison Monthly Report Page 4 of 17

Facility : Songs Unit 3
 Order No : 94-50
 Report Freq : Monthly
 Report For : May 1996
 Report Due : Jun 30, 1996
 Report Topic : Discharge Conduit
 Heat Treatment

Exact Sample Point : Discharge
 Conduit

Collected By : Instrumentation

Analyzed By : Songs Envir Grp

Signed : *Robert Heasley*
 Title : Environmental Engineer

Discharge Conduit and Screenwell Heat Treatment did *NOT* occur this month

PARAMETER	UNITS	REQUIREMENT	RESULT
Date/Time Treatment Began	--	--	N/A
Date/Time Treatment Ended	--	--	N/A
Total Time of Treatment	hours	--	N/A
Maximum Discharge Conduit Temperature Attained (Discharge Conduit Target Temperature)	degr F	* 105	N/A

Following Section only Completed if Screenwell Target Temperature was Exceeded.

Maximum Screenwell Temperature Attained	degr F	--	N/A
Degrees Above Screenwell Target Temperature	degr F	10	N/A
Maximum Screenwell Temp Duration	min	15	N/A

* Value Varies (From the Mussel Mortality Graph)

* NO HEAT TREAT PERFORMED

Southern California Edison Monthly Report Page 5 of 17

Facility : Songs Unit 3
 Order No : 94-50
 Report Freq : Monthly
 Report For : May 1996
 Report Due : Jun 30, 1996
 Waste Stream : Combined Discharge
 Low Volume Waste

Exact Sample Point :

Points of
 Discharge

Collected By : Songs Envir Grp

Analysed By : Songs Envir Grp

Signed :

Title : Environmental Engineer

Parameter : Flow Rate

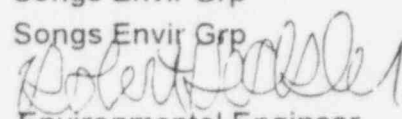
Units : Million Gallons per Day (MGD)

Date	Combined Discharge	Total Low Volume Waste	Total Sewage Treatment
1	1218.815	0.229	0
2	1218.715	0.129	0
3	1218.784	0.198	0
4	1218.656	0.070	0
5	1218.779	0.193	0
6	1218.715	0.129	0
7	1218.784	0.198	0
8	1218.754	0.168	0
9	1218.789	0.203	0
10	1218.810	0.224	0
11	1218.718	0.132	0
12	1218.766	0.180	0
13	1218.718	0.132	0
14	1218.818	0.232	0
15	1096.961	0.261	0
16	1084.622	0.122	0
17	942.239	0.269	0
18	1078.470	0.070	0
19	1218.784	0.198	0
20	1218.713	0.127	0
21	1218.850	0.264	0
22	1218.789	0.203	0
23	1218.701	0.115	0
24	1218.716	0.130	0
25	1218.771	0.185	0
26	1218.784	0.198	0
27	1218.840	0.254	0
28	1218.733	0.147	0
29	1218.759	0.173	0
30	1218.656	0.070	0
31	1218.656	0.070	0
Avg	1197.054	0.170	0
Reqt	1286.900	11.610	0.145

SEWAGE TREATMENT DISCHARGED TO UNIT 1 OUTFALL

Southern California Edison Monthly Report

Page 6 of 17

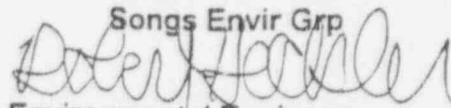
Facility : Songs Unit 3 Exact Sample Point : Intake and
 Order No : 94-50 Discharge Conduits
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : May 1996 Analyzed By : Songs Envir Grp
 Report Due : Jun 30, 1996 Signed : 
 Waste Stream : Cooling Water Intake Title : Environmental Engineer

Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
pH	--	GRAB	--	--	8.2	5/6/96 01:15 pm
Turbidity	NTU	GRAB	--	--	3.7	5/6/96 01:15 pm

Southern California Edison Monthly Report

Page 7 of 17

Facility : Songs Unit 3
 Order No : 94-50
 Report Freq : Monthly
 Report For : May 1996
 Report Due : Jun 30, 1996
 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	--	--	5.1	5/6/96 02:40 pm
pH	--	GRAB	--	6 - 9	8.2	5/6/96 02:40 pm
Hydrazine	ug/l	GRAB	Inst Max	340	< 4.0	5/6/96 02:40 pm
	lbs/day			3954	<40.661	
Acute Toxicity	TUa	GRAB	Inst Max	2.5	0.00	5/8/96 08:30 am
	TUa	GRAB	Weekly Avg.	2.0	0.00	5/8/96 08:30 am
	TUa	GRAB	Monthly Avg.	1.5	0.00	5/8/96 08:30 am
Chronic Toxicity	TUc	GRAB	Daily Max	10.0	*	

* ANALYSIS NOT PERFORMED DUE TO THE INABILITY TO OBTAIN ADEQUATE TEST ORGANISMS TO COMPLETE THE TEST OF THE FIRST TWO SAMPLES. THE THIRD SAMPLE THAT WAS OBTAINED WAS NOT REPRESENTATIVE DUE TO SAMPLING EQUIPMENT FAILURE. (SEE LETTER ATTACHED FROM OGDEN ENVIRONMENTAL LABORATORIES).

Southern California Edison Monthly Report

Page 8 of 17

Facility : Songs Unit 3 Exact Sample Point : Point of
 Order No : 94-50 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : May 1996 Analyzed By : Songs Envir Grp
 Report Due : Jun 30, 1996 Signed : *Robert H. H. H.*
 Waste Stream : Thermophilic Digester Title : Environmental Engineer
 (Low Volume Waste)

Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
Total Suspended Solids	mg/l	GRAB	Monthly Avg	30	*	*
	lbs/day			2.5		
	mg/l			100		
Grease and Oil	lbs/day	GRAB	Daily Max	8.3	*	*
	mg/l			100		
	lbs/day			8.3		
Grease and Oil	mg/l	GRAB	Inst Max	100	*	*
	lbs/day			8.3		
	mg/l			100		
Grease and Oil	lbs/day	GRAB	Monthly Avg	15	*	*
	mg/l			1.3		
	lbs/day			1.3		
Grease and Oil	mg/l	GRAB	Daily Avg	20	*	*
	lbs/day			1.7		
	mg/l			1.7		
Grease and Oil	lbs/day	GRAB	Inst Max	20	*	*
	mg/l			1.7		
	lbs/day			1.7		

Southern California Edison Monthly Report

Page 9 of 17

Facility : Songs Unit 3

Exact Sample Point : Point of Discharge

Order No : 94-50

Report Freq : Monthly

Collected By : Songs Envir Grp

Report For : May 1996

Analyzed By : Songs Envir Grp

Report Due : Jun 30, 1996

Signed :

Robert Hechler

Waste Stream : Condenser Hotwell
Overboard (Low Volume Waste)

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	*	*
	lbs/day			1800		
	mg/l	GRAB	Daily Max	100	*	*
	lbs/day			6000		
	mg/l	GRAB	Inst Max	100	*	*
	lbs/day			6000		
Grease and Oil	mg/l	GRAB	Monthly Avg	15	*	*
	lbs/day			900		
	mg/l	GRAB	Daily Avg	20	*	*
	lbs/day			1200		
	mg/l	GRAB	Inst Max	20	*	*
	lbs/day			1200		

Southern California Edison Monthly Report

Page 10 of 17

Facility : Songs Unit 3
 Order No : 94-50
 Report Freq : Monthly
 Report For : May 1996
 Report Due : Jun 30, 1996
 Waste Stream : Steam Generator
 Overboard (Low Volume Waste)

Exact Sample Point : Point of Discharge

Collected By : Songs Envir Grp
 Analyzed By : Songs Envir Grp

Signed : *[Signature]*
 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		
	lbs/day			180	*	*
	mg/l	GRAB	Daily Max	100		
	lbs/day			600	*	*
	mg/l	GRAB	Inst Max	100		
	lbs/day			600	*	*
Grease and Oil	mg/l	GRAB	Monthly Avg	15		
	lbs/day			90	*	*
	mg/l	GRAB	Daily Avg	20		
	lbs/day			120	*	*
	mg/l	GRAB	Inst Max	20		
	lbs/day			120	*	*

Southern California Edison Monthly Report

Page 11 of 17

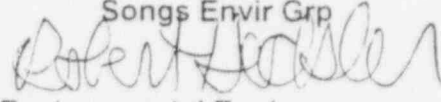
Facility : Songs Unit 3 Exact Sample Point : Point of Discharge
 Order No : 94-50
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : May 1996 Analyzed By : Songs Envir Grp
 Report Due : Jun 30, 1996 Signed : *[Signature]*
 Waste Stream : Blowdown Processing Title : Environmental Engineer
 System Regeneration (Low Volume Waste)

Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
Total Suspended Solids	mg/l	GRAB	Monthly Avg	30		
	lbs/day			21	*	*
	mg/l	GRAB	Daily Max	100		
	lbs/day			71	*	*
	mg/l	GRAB	Inst Max	100		
	lbs/day			71	*	*
Grease and Oil	mg/l	GRAB	Monthly Avg	15		
	lbs/day			11	*	*
	mg/l	GRAB	Daily Avg	20		
	lbs/day			14	*	*
	mg/l	GRAB	Inst Max	20		
	lbs/day			14	*	*

Southern California Edison Monthly Report

Page 12 of 17

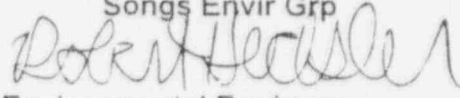
Facility : Songs Unit 3
 Order No : 94-50
 Report Freq : Monthly
 Report For : May 1996
 Report Due : Jun 30, 1996
 Waste Stream : Full Flow Cond.
 Polish Demineralizer (Low Volume Waste)

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	9.3	5/1/96
	lbs/day			350	5.27	05:15 pm
	mg/l	GRAB	Daily Max	100	9.3	5/1/96
	lbs/day			1200	10.70	05:15 pm
	mg/l	GRAB	Inst Max	100	9.3	5/1/96
	lbs/day			1200	10.70	05:15 pm
Grease and Oil	mg/l	GRAB	Monthly Avg	15	6.0	5/1/96
	lbs/day			180	3.40	03:53 pm
	mg/l	GRAB	Daily Avg	20	6.0	5/1/96
	lbs/day			230	6.91	03:53 pm
	mg/l	GRAB	Inst Max	20	6.0	5/1/96
	lbs/day			230	6.91	03:53 pm

Southern California Edison Monthly Report

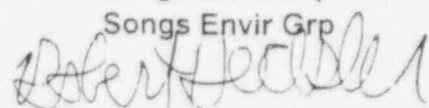
Page 13 of 17

Facility : Songs Unit 3 Exact Sample Point : Point of
 Order No : 94-50 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : May 1996 Analyzed By : Songs Envir Grp
 Report Due : Jun 30, 1996 Signed : 
 Waste Stream : RadWaste System Title : Environmental Engineer
 (Low Volume Waste)

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	5/1/96
	lbs/day			110	< 0.02	04:39 am
	mg/l	GRAB	Daily Max	100	< 2.5	5/1/96
	lbs/day			360	< 0.44	04:39 am
	mg/l	GRAB	Inst Max	100	< 2.5	5/1/96
	lbs/day			360	< 0.44	04:39 am
Grease and Oil	mg/l	GRAB	Monthly Avg	15	6.2	5/1/96
	lbs/day			54	0.05	04:39 am
	mg/l	GRAB	Daily Avg	20	6.2	5/1/96
	lbs/day			72	1.09	04:39 am
	mg/l	GRAB	Inst Max	20	6.2	5/1/96
	lbs/day			72	1.09	04:39 am

Southern California Edison Monthly Report

Page 14 of 17

Facility : Songs Unit 3 Exact Sample Point : Point of
 Order No : 94-50 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : May 1996 Analyzed By : Songs Envir Grp
 Report Due : Jun 30, 1996
 Waste Stream : Intake Sump
 (Low Volume Waste) Signed : 
 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	3.0	5/15/96
				72	1.75	02:03 pm
	mg/l lbs/day	GRAB	Daily Max	100	3.4	5/15/96
				240	1.98	02:03 pm
	mg/l lbs/day	GRAB	Inst Max	100	3.4	5/15/96
				240	1.98	02:03 pm
Grease and Oil	mg/l lbs/day	GRAB	Monthly Avg	15	5.7	5/3/96
				36	3.33	09:00 am
	mg/l lbs/day	GRAB	Daily Avg	20	5.7	5/3/96
				48	3.33	09:00 am
	mg/l lbs/day	GRAB	Inst Max	20	5.7	5/3/96
				48	3.33	09:00 am

Southern California Edison Monthly Report

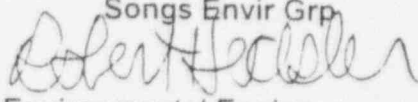
Page 15 of 17

Facility : Songs Unit 3 Exact Sample Point : Point of
 Order No : 94-50 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : May 1996 Analyzed By : Songs Envir Grp
 Report Due : Jun 30, 1996 Signed : *Robert Heckler*
 Waste Stream : Building Sumps Title : Environmental Engineer
 (Low Volume Waste)

Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
Total Suspended Solids	mg/l	GRAB	Monthly Avg	30	*	*
	lbs/day			200		
Total Suspended Solids	mg/l	GRAB	Daily Max	100	*	*
	lbs/day			670		
Grease and Oil	mg/l	GRAB	Inst Max	100	*	*
	lbs/day			670		
Grease and Oil	mg/l	GRAB	Monthly Avg	15	*	*
	lbs/day			100		
Grease and Oil	mg/l	GRAB	Daily Avg	20	*	*
	lbs/day			130		
Grease and Oil	mg/l	GRAB	Inst Max	20	*	*
	lbs/day			130		

Southern California Edison Monthly Report

Page 16 of 17

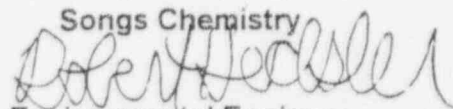
Facility : Songs Unit 3 Exact Sample Point : Point of
 Order No : 94-50 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : May 1996 Analyzed By : Songs Envir Grp
 Report Due : Jun 30, 1996 Signed : 
 Waste Stream : Makeup Demineralizer Title : Environmental Engineer
 (Low Volume Waste)

Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
Total Suspended Solids	mg/l	GRAB	Monthly Avg	30	10.7	5/11/96
	lbs/day			170	2.77	04:17 pm
	mg/l	GRAB	Daily Max	100	17.0	5/11/96
	lbs/day			560	13.89	04:17 pm
	mg/l	GRAB	Inst Max	100	17.0	5/11/96
	lbs/day			560	13.89	04:17 pm
Grease and Oil	mg/l	GRAB	Monthly Avg	15	< 2.0	5/6/96
	lbs/day			84	< 0.52	07:12 pm
	mg/l	GRAB	Daily Avg	20	< 2.0	5/6/96
	lbs/day			110	< 1.63	07:12 pm
	mg/l	GRAB	Inst Max	20	< 2.0	5/6/96
	lbs/day			110	< 1.63	07:12 pm

Southern California Edison Monthly Report

Page 17 of 17

Facility : Songs Unit 3
 Order No : 94-50
 Report Freq : Monthly
 Report For : May 1996
 Report Due : Jun 30, 1996
 Waste Stream : Sewage Treatment

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

		<u>Daily Max</u>			<u>Monthly Avg</u>		
Units	Sample Type	Date/Time of Sample	Sample Value	Req't Value	Sample Value	Req Value	
<u>Sewage - - Unit 1</u>							
Inf T.S.S	mg/l lbs/day	GRAB	09:48 5/6/96	414.0 145.0	-- --	414.0 86.3	-- --
EFF G&O	mg/l lbs/day	GRAB	10:00 5/9/96	< 2.0 < 0.7	75 63	< 2.0 < 0.4	25 21
EFF T.S.S	mg/l lbs/day	GRAB	09:45 5/6/96	11.2 3.9	213.0 129.7	11.2 2.3	180.8 81.4
Sett. Solids	ml/l	GRAB	09:00 5/8/96	2.9	3.0	0.4	1.0
pH	Units	GRAB	5/28/96	6.7	6.0 - 9.0	7.1	6.0 - 9.0
Turbidity	NTU	GRAB	5/6/96	11.3	225	11.3	75

Sewage - - Mesa

Inf T.S.S	mg/l lbs/day	GRAB		*	-- --	* --	-- --
EFF G&O	mg/l lbs/day	GRAB		*	75 63	* --	25 21
EFF T.S.S	mg/l lbs/day	GRAB		*		*	
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
 DISCHARGED TO UNIT 1 OUTFALL

Southern California Edison Company

P O BOX 128

SAN CLEMENTE, CALIFORNIA 92674

H. W. NEWTON
MANAGER
SITE SUPPORT SERVICES

June 25, 1996

TELEPHONE
(714) 368-9940

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 2

Dear Mr. Robertus:

The NPDES Discharge Monitoring Report (DMR) for San Onofre Unit 2 covering the month of May is submitted in accordance with the requirements of Order No. 94-49 (NPDES Permit No. CA0108073). A summary of the generating unit's status and significant analytical results is provided below.

The unit was operational all month. All sampled water sources were found to be within permit limits.

On May 5, 1996 approximately 2000 gallons of water at a pH of 1.7 was released from the High Flow Makeup Demineralizer (HFMUD) Waste Neutralization Tank (WNT) to the Unit 2 outfall. Contrary to the permit's administrative description of this low volume waste stream, the pH was not adjusted prior to release to the outfall. Due to the outfall's flowrates involved and the concentration of acid in the tank, it is not believed that we exceeded pH limits on the Unit 2 combined discharge or the receiving water. Several factors led to this event, including multiple work activities creating excessive waste water and a sticking WNT level indicator.

For information, this event was reportable under Title 22 of the California Code of Regulations. All required notifications were made after the event. Tighter operational controls were put in place as a result of this event and we are evaluating installed automatic system interlocks to assist the Operators in the future. Since that time, no further problems have occurred.

We were also not able to obtain chronic toxicity results on the U2 combined discharge for the month of May. Due to high temperatures and other conditions offshore, the contract laboratory was not able to obtain healthy germinating kelp specimens to perform the test for two samples that we provided during the month (see letter attached from Ogden Environmental Laboratories). A third sample was collected, but due to equipment malfunction, the sample was deemed nonrepresentative and the test results were invalid.

Pursuant to Order No. 94-49, Reporting Requirement 10, 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 I have personally examined and am familiar with the information submitted in the attached document, and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Sincerely,

A handwritten signature in dark ink, appearing to read 'H. W. Newton', with a stylized, flowing script.

H. W. Newton
Manager, Site Support Services

Enclosure

cc: Environmental Protection Agency, Region IX

bcc: W. C. Marsh/K. Yhip
H. W. Newton/M. J. Johnson - w/o enclosure
R. V. D. Reid/D. W. Kay
N. J. Mascolo - w/o enclosure
C. Williams - w/o enclosure
K. T. Herbinson
J. Demlow - w/o enclosure
CDM Files
IDB - NPDES/R. K. Heckler

OGDEN ENVIRONMENTAL AND ENERGY SERVICES

5510 Morehouse Drive
San Diego, CA 92121
619 458-9044 Fax 619 458 0943

California Lab Certification No. 1802

June 21, 1996

Southern California Edison
San Onofre Nuclear Generating Station
P.O. Box 128, Building W-44
San Clemente, California 92674

Attn: Robert Heckler

I am writing as follow up to our recent conversation about the status of monitoring for May 1996. Testing events were scheduled for three dates during May, the 8th, 22nd, and 29th, and no attempt made to test San Onofre Unit 2 or Unit 3 generated successful results for submittal. During the month of May, the conditions offshore in the kelp beds near both La Jolla and Point Loma, where we collect specimens for testing, were unusual and not prime for sporophyll condition. Twice during the month, the water temperature shifted more than 10°F over a one to three day period, ranging to a high of over 70°F. This is quite a bit warmer than usual and precipitates a release of kelp spores into the water column prior to organism collection. When we then bring the plants into the lab, many of the healthy spores have already been released by temperature shock and the subsequent spores released in the lab are of lesser number, motility, and general quality.

We attempted a total of seventeen tests during the first three weeks of May, including four for San Onofre, and four of the seventeen were successful. As we routinely conduct this assay with no problems and meet all listed acceptability criteria in doing so, we attribute the problems experienced during this period to the weather. The criterion impacted by these conditions was control germination percentage. Seventy percent is the minimum acceptable level and during the warm water period we observed as low as fifty-three percent. Routine control results are consistently ninety percent or greater. The final attempt made to conduct this testing during May was deemed invalid due to a sampling problem reported by San Onofre personnel. We conclude that diligent attempts were made to complete testing during May 1996 and that under the given weather conditions and the resultant window of opportunity to generate acceptable results, no further action for May was possible. As such, no results will be forthcoming for Units 2 and 3 for the monitoring period of May 1996.

The testing for June is complete and valid and indicates no toxicity at either Unit 2 or Unit 3. Should you wish me to further discuss this situation with your Regional Board representative, I would be more than happy to address any concerns they might have. You may refer them to me at (619) 458-9044 ext. 300 for additional clarification or detail. Please feel free to call as always if you should have questions. Thanks for your consideration.

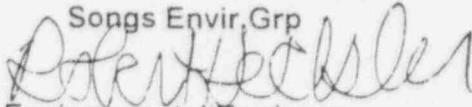
Sincerely,



Marilyn J. Schwartz
Supervisor, Ogden Bioassay Lab

Southern California Edison Monthly Report

Page 1 of 17


Facility : Songs Unit 2 Exact Sample Point : Intake and
 Order No : 94-49 Discharge Conduits
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : May 1996 Analyzed By : Songs Envir Grp
 Report Due: Jun 30, 1996 Signed : 
 Waste Stream : Water Intake and Title : Environmental Engineer
 Combined Discharge

PARAMETER: Temperature Difference (degrees Fahrenheit) = Temperature
 at Combined Discharge Minus Temperature at Water Intake

Date	Combined Discharge	Water Intake		Daily Avg Diff
	Avg	Avg	Max	
5-1-96	85	64	66	20
5-2-96	86	66	67	20
5-3-96	88	67	68	20
5-4-96	88	68	69	20
5-5-96	88	68	69	20
5-6-96	89	68	70	20
5-7-96	88	66	69	20
5-8-96	88	68	69	20
5-9-96	88	68	70	20
5-10-96	88	67	68	20
5-11-96	88	67	68	20
5-12-96	87	66	68	20
5-13-96	88	67	70	20
5-14-96	88	69	70	19
5-15-96	89	69	70	20
5-16-96	89	69	70	20
5-17-96	84	64	68	20
5-18-96	79	59	64	20
5-19-96	80	60	63	20
5-20-96	82	62	65	20
5-21-96	83	63	65	20
5-22-96	84	64	65	20
5-23-96	84	64	65	20
5-24-96	85	64	65	20
5-25-96	85	65	65	20
5-26-96	83	65	66	18
5-27-96	88	64	66	24
5-28-96	84	64	66	20
5-29-96	84	64	65	20
5-30-96	83	64	64	20
5-31-96	84	64	66	20
Avg	86	66	67	20
Reqt	--	--	--	20

Heat Treatment Occured : May 27, 1996

Southern California Edison Monthly Report Page 2 of 17

Facility :	Songs Unit 2	Exact Sample Point :	Intake and Screenwell
Order No :	94-49	Collected By :	Instrumentation
Report Freq :	Monthly	Analyzed By :	Songs Envir Grp
Report For :	May 1996	Signed :	
Report Due :	Jun 30, 1996	Title :	Environmental Engineer
Report Topic :	Intake Conduit and Screenwell Heat Treatment		

Intake and Screenwell Heat Treatment Occured This Month.

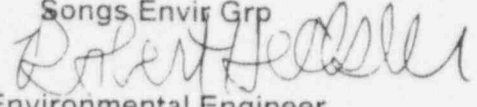
PARAMETER	UNITS	REQUIREMENT	RESULT	
Date/Time Treatment Began	--	--	5/27/96	02:50 am
Date/Time Treatment Ended	--	--	5/27/96	03:50 am
Total Time of Treatment	hours	--	1.00	
Maximum Screenwell Temperature Attained (Screenwell Target Temperature)	degr F	* 100	103	
Screenwell Target Temp Duration	hours	* 2.1	1	

Following Section only Completed if Screenwell Target Temperature was Exceeded.

Maximum Screenwell Temperature Attained	degr F	--	N/A
Degrees Above Screenwell Target Temperature	degr F	10	N/A
Maximum Screenwell Temp Duration	min	15	N/A

* Value Varies (From the Mussel Mortality Graph)

Southern California Edison Monthly Report Page 3 of 17

Facility : Songs Unit 2 Exact Sample Point : Intake and Screenwell
 Order No : 94-49
 Report Freq : Monthly Collected By : Instrumentation
 Report For : May 1996 Analyzed By : Songs Envir Grp
 Report Due : Jun 30, 1996
 Report Topic : Intake Conduit and Screenwell Heat Treatment
 Signed : 
 Title : Environmental Engineer

Intake and Screenwell Heat Treatment Occured This Month.

PARAMETER	UNITS	REQUIREMENT	RESULT
Maximum Intake Conduit Temperature Attained (Intake Conduit Target Temperature)	degr F	125	123
Screenwell Target Temp Duration	hours	* 2.1	1

Following Section only Completed if Intake Target Temperature was exceeded.

Maximum Intake Conduit Temperature Attained	degr F	--	N/A
Degrees Above Intake Conduit Target Temperature	degr F	10	N/A
Maximum Intake Conduit Temp Duration (Minutes)	min	15	N/A

* Value Varies (From the Mussel Mortality Curve)

Southern California Edison Monthly Report Page 4 of 17

Facility : Songs Unit 2
 Order No : 94-49
 Report Freq : Monthly
 Report For : May 1996
 Report Due : Jun 30, 1996
 Report Topic : Discharge Conduit
 Heat Treatment

Exact Sample Point : Discharge
 Conduit

Collected By : Instrumentation

Analyzed By : Songs Envir Grp.

Signed : *Robert Hecker*
 Title : Environmental Engineer

Discharge Conduit and Screenwell Heat Treatment did *NOT* occur this month

PARAMETER	UNITS	REQUIREMENT	RESULT
Date/Time Treatment Began	--	--	N/A
Date/Time Treatment Ended	--	--	N/A
Total Time of Treatment	hours	--	N/A
Maximum Discharge Conduit Temperature Attained (Discharge Conduit Target Temperature)	degr F	105	N/A

Following Section only Completed if Screenwell Target Temperature was Exceeded.

Maximum Screenwell Temperature Attained	degr F	--	N/A
Degrees Above Screenwell Target Temperature	degr F	10	N/A
Maximum Screenwell Temp Duration	min	15	N/A

* Value Varies (From the Mussel Mortality Graph)

* NO HEAT TREAT PERFORMED

Southern California Edison Monthly Report Page 5 of 17

Facility : Songs Unit 2
 Order No : 94-49
 Report Freq : Monthly
 Report For : May 1996
 Report Due : Jun 30, 1996
 Waste Stream : Combined Discharge
 Low Volume Waste

Exact Sample Point :

Points of
 Discharge

Collected By : Songs Envir Grp
 Analysed By : Songs Envir Grp

Signed :

Robert H. Haskin

Title : Environmental Engineer

Parameter : Flow Rate

Units : Million Gallons per Day (MGD)

Date	Combined Discharge	Total Low Volume Waste	Total Sewage Treatment
1	1218.826	0.240	0
2	1218.765	0.179	0
3	1218.706	0.120	0
4	1218.834	0.248	0
5	1218.833	0.247	0
6	1218.765	0.179	0
7	1218.844	0.258	0
8	1218.939	0.353	0
9	1218.843	0.257	0
10	1218.764	0.178	0
11	1216.768	0.182	0
12	1218.837	0.251	0
13	1218.768	0.182	0
14	1218.872	0.286	0
15	1218.766	0.180	0
16	1218.880	0.294	0
17	1218.898	0.312	0
18	1218.837	0.251	0
19	1218.832	0.246	0
20	1218.763	0.177	0
21	1218.763	0.177	0
22	1218.836	0.250	0
23	1218.751	0.165	0
24	1218.899	0.313	0
25	1218.834	0.248	0
26	1072.630	0.230	0
27	1218.764	0.178	0
28	1218.894	0.308	0
29	1218.706	0.120	0
30	1218.706	0.120	0
31	1218.821	0.235	0
Avg	1214.095	0.225	0
Reqt	1286.900	11.610	0.145

SEWAGE TREATMENT DISCHARGED TO UNIT 1 OUTFALL

Southern California Edison Monthly Report

Page 6 of 17

Facility : Songs Unit 2
 Order No : 94-49
 Report Freq : Monthly
 Report For : May 1996
 Report Due : Jun 30, 1996
 Waste Stream : Cooling Water Intake

Exact Sample Point : Intake and
 Discharge Conduits

Collected By : Songs Envir Grp

Analyzed By : Songs Envir Grp

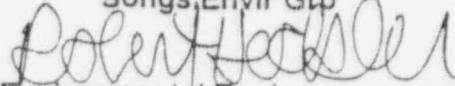
Signed :

Title : Environmental Engineer

Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
pH	--	GRAB	--	--	8.3	5/7/96 08:55 am
Turbidity	NTU	GRAB	--	--	3.9	5/7/96 08:55 am

Southern California Edison Monthly Report

Page 7 of 17


Facility : Songs Unit 2 Exact Sample Point : Point of
Order No : 94-49 Discharge
Report Freq : Monthly Collected By : Songs Envir Grp
Report For : May 1996 Analyzed By : Songs Envir Grp
Report Due : Jun 30, 1996 Signed : 
Waste Stream : Combined Discharge Title : Environmental Engineer

Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
Turbidity	NTU	GRAB	--	--	4.2	5/7/96 09:00 am
pH	--	GRAB	--	6 - 9	8.3	5/7/96 09:00 am
Hydrazine	ug/l lbs/day	GRAB	Inst Max	340 3954	< 4.0 < 40.664	5/7/96 09:00 am
Acute Toxicity	TUa	GRAB	Inst Max	2.5	0.13	5/8/96 08:30 am
	TUa	GRAB	Weekly Avg.	2.0	0.13	5/8/96 08:30 am
	TUa	GRAB	Monthly Avg.	1.5	0.13	5/8/96 08:30 am
Chronic Toxicity	TUc	GRAB	Daily Max	10.0	*	

* ANALYSIS NOT PERFORMED DUE TO THE INABILITY TO OBTAIN ADEQUATE TEST ORGANISMS TO COMPLETE THE TEST OF THE FIRST TWO SAMPLES. THE THIRD SAMPLE THAT WAS OBTAINED WAS NOT REPRESENTATIVE DUE TO SAMPLING EQUIPMENT FAILURE. (SEE LETTER ATTACHED FROM OGDEN ENVIRONMENTAL LABORATORIES).

Southern California Edison Monthly Report

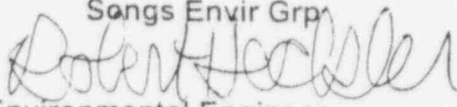
Page 8 of 17

Facility : Songs Unit 2 Exact Sample Point : Point of
 Order No : 94-49 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : May 1996 Analyzed By : Songs Envir Grp
 Report Due : Jun 30, 1996 Signed : 
 Waste Stream : Thermophilic Digester Title : Environmental Engineer
 (Low Volume Waste)

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 2.5	*	*
	mg/l lbs/day	GRAB	Daily Max	100 8.3	*	*
	mg/l lbs/day	GRAB	Inst Max	100 8.3	*	*
Grease and Oil	mg/l lbs/day	GRAB	Monthly Avg	15 1.3	*	*
	mg/l lbs/day	GRAB	Daily Avg	20 1.7	*	*
	mg/l lbs/day	GRAB	Inst Max	20 1.7	*	*

Southern California Edison Monthly Report

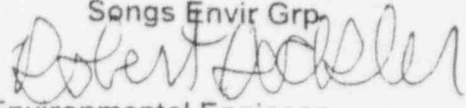
Page 9 of 17

Facility : Songs Unit 2 Exact Sample Point : Point of Discharge
 Order No : 94-49
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : May 1996 Analyzed By : Songs Envir Grp
 Report Due : Jun 30, 1996 Signed : 
 Waste Stream : Condenser Hotwell Title : Environmental Engineer
 Overboard (Low Volume Waste)

Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
Total Suspended Solids	mg/l	GRAB	Monthly Avg	30		
	lbs/day			1800	*	*
	mg/l	GRAB	Daily Max	100		
	lbs/day			6000	*	*
	mg/l	GRAB	Inst Max	100		
	lbs/day			6000	*	*
Grease and Oil	mg/l	GRAB	Monthly Avg	15		
	lbs/day			900	*	*
	mg/l	GRAB	Daily Avg	20		
	lbs/day			1200	*	*
	mg/l	GRAB	Inst Max	20		
	lbs/day			1200	*	*

Southern California Edison Monthly Report

Page 10 of 17

Facility : Songs Unit 2 Exact Sample Point : Point of Discharge
 Order No : 94-49
 Report Freq : Monthiy Collected By : Songs Envir Grp
 Report For : May 1996 Analyzed By : Songs Envir Grp
 Report Due : Jun 30, 1996
 Waste Stream : Steam Generator Signed : 
 Overboard (Low Volume Waste) 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		
	lbs/day			180	*	*
	mg/l	GRAB	Daily Max	100		
	lbs/day			600	*	*
	mg/l	GRAB	Inst Max	100		
	lbs/day			600	*	*
Grease and Oil	mg/l	GRAB	Monthly Avg	15		
	lbs/day			90	*	*
	mg/l	GRAB	Daily Avg	20		
	lbs/day			120	*	*
	mg/l	GRAB	Inst Max	20		
	lbs/day			120		*

Southern California Edison Monthly Report


Page 11 of 17

Facility : Songs Unit 2 Exact Sample Point : Point of Discharge
 Order No : 94-49
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : May 1996 Analyzed By : Songs Envir Grp
 Report Due : Jun 30, 1996
 Waste Stream : Blowdown Processing Signed : *[Signature]*
 System Regen. (Low Volume Waste) 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		
	lbs/day			21	*	*
	mg/l	GRAB	Daily Max	100		
	lbs/day			71	*	*
	mg/l	GRAB	Inst Max	100		
	lbs/day			71	*	*
Grease and Oil	mg/l	GRAB	Monthly Avg	15		
	lbs/day			11	*	*
	mg/l	GRAB	Daily Avg	20		
	lbs/day			14	*	*
	mg/l	GRAB	Inst Max	20		
	lbs/day			14	*	*

Southern California Edison Monthly Report

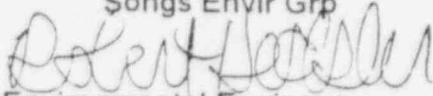
Page 12 of 17

Facility : Songs Unit 2 Exact Sample Point : Point of
 Order No : 94-49 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : May 1996 Analyzed By : Songs Envir Grp
 Report Due : Jun 30, 1996
 Waste Stream : Full Flow Cond.
 Polish Demin. (Low Volume Waste) 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	3.4	5/1/96
	lbs/day			350	2.07	05:30 am
	mg/l	GRAB	Daily Max	100	3.4	5/1/96
	lbs/day			1200	3.91	05:30 am
	mg/l	GRAB	Inst Max	100	3.4	5/1/96
	lbs/day			1200	3.91	05:30 am
Grease and Oil	mg/l	GRAB	Monthly Avg	15	4.2	5/1/96
	lbs/day			180	2.56	05:30 am
	mg/l	GRAB	Daily Avg	20	4.2	5/1/96
	lbs/day			230	4.83	05:30 am
	mg/l	GRAB	Inst Max	20	4.2	5/1/96
	lbs/day			230	4.83	05:30 am

Southern California Edison Monthly Report

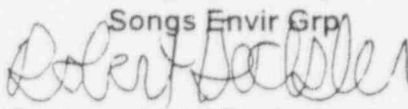
Page 13 of 17

Facility : Songs Unit 2 Exact Sample Point : Point of Discharge
 Order No : 94-49
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : May 1996 Analyzed By : Songs Envir Grp
 Report Due : Jun 30, 1996
 Waste Stream : Makeup Demineralizer
 (Low Volume Waste) 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	10.7	5/11/96
	lbs/day			170	2.77	04:17 pm
	mg/l	GRAB	Daily Max	100	10.7	5/11/96
	lbs/day			560	8.75	04:17 pm
	mg/l	GRAB	Inst Max	100	17.0	5/11/96
	lbs/day			560	13.89	04:17 pm
Grease and Oil	mg/l	GRAB	Monthly Avg	15	< 2.0	5/6/96
	lbs/day			84	< 0.52	07:12 pm
	mg/l	GRAB	Daily Avg	20	< 2.0	5/6/96
	lbs/day			110	< 1.63	07:12 pm
	mg/l	GRAB	Inst Max	20	< 2.0	5/6/96
	lbs/day			110	< 1.63	07:12 pm

Southern California Edison Monthly Report

Page 14 of 17

Facility : Songs Unit 2 Exact Sample Point : Point of Discharge
 Order No : 94-49
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : May 1996 Analyzed By : Songs Envir Grp
 Report Due : Jun 30, 1996 Signed : 
 Waste Stream : RadWaste System Title : Environmental Engineer
 (Low Volume Waste)

Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
Total Suspended Solids	mg/l	GRAB	Monthly Avg	30		
	lbs/day			110	*	*
	mg/l	GRAB	Daily Max	100		
	lbs/day			360	*	*
	mg/l	GRAB	Inst Max	100		
	lbs/day			360	*	*
Grease and Oil	mg/l	GRAB	Monthly Avg	15		
	lbs/day			54	*	*
	mg/l	GRAB	Daily Avg	20		
	lbs/day			72	*	*
	mg/l	GRAB	Inst Max	20		
	lbs/day			72	*	*

Facility : Songs Unit 2

Exact Sample Point : Point of Discharge

Order No : 94-49


Report Freq : Monthly

Collected By : Songs Envir Grp

Report For : May 1996

Analyzed By : Songs Enwir Grp

Report Due : Jun 30, 1996

Signed: 
Title: Environmental Engineer

Waste Stream : Intake Sump
(Low Volume Waste)

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	< 2.5	5/15/96
				72	< 1.46	01:54 pm
	mg/l lbs/day	GRAB	Daily Max	100	< 2.5	5/15/96
				240	< 1.46	01:54 pm
	mg/l lbs/day	GRAB	Inst Max	100	< 2.5	5/15/96
				240	< 1.46	01:54 pm
Grease and Oil	mg/l lbs/day	GRAB	Monthly Avg	15	3.6	5/3/96
				36	2.10	08:45 am
	mg/l lbs/day	GRAB	Daily Avg	20	3.6	5/3/96
				48	2.10	08:45 am
	mg/l lbs/day	GRAB	Inst Max	20	3.6	5/3/96
				48	2.10	08:45 am

Southern California Edison Monthly Report

Page 16

Facility : Songs Unit 2 Exact Sample Point : Point of Discharge
 Order No : 94-49
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : May 1996 Analyzed By : Songs Envir Grp
 Report Due : Jun 30, 1996
 Waste Stream : Building Sumps Signed : *[Signature]*
 (Low Volume Waste) 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	3.7	5/15/96
	lbs/day			200	1.54	01:29 pm
	mg/l	GRAB	Daily Max	100	4.8	5/15/96
	lbs/day			670	2.00	01:29 pm
	mg/l	GRAB	Inst Max	100	4.8	5/15/96
	lbs/day			670	2.00	01:29 pm
Grease and Oil	mg/l	GRAB	Monthly Avg	15	< 2.0	5/10/96
	lbs/day			100	< 0.83	01:33 pm
	mg/l	GRAB	Daily Avg	20	< 2.0	5/10/96
	lbs/day			130	< 0.83	01:33 pm
	mg/l	GRAB	Inst Max	20	< 2.0	5/10/96
	lbs/day			130	< 0.83	01:33 pm

Southern California Edison Monthly Report

Page 17 of 17

Facility : Songs Unit 2 Exact Sample Point : Point of
 Order No : 94-49 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : May 1996 Analyzed By : Songs Chemistry
 Report Due : Jun 30, 1996 Signed : *Robert H. Walker*
 Waste Stream : Sewage Treatment Title : Environmental Engineer

			Daily Max			Monthly Avg		
Units	Sample Type	Date/Time of Sample	Sample Value	Req't Value	Sample Value	Req Value		
<u>Sewage - - Unit 1</u>								
Inf	mg/l	09:48	414.0	--	414.0	--		
T.S.S	lbs/day	GRAB 5/6/96	145.0	--	86.3	--		
EFF	mg/l	10:00	< 2.0	75	< 2.0	25		
G&O	lbs/day	GRAB 5/9/96	< 0.7	63	< 0.4	21		
EFF	mg/l	09:45	11.2	213.0	11.2	180.8		
T.S.S	lbs/day	GRAB 5/6/96	3.9	129.7	2.3	81.4		
Sett. Solids	ml/l	GRAB 09:00 5/8/96	2.9	3.0	0.4	1.0		
pH	Units	GRAB 5/28/96	6.7	6.0 - 9.0	7.1	6.0 - 9.0		
Turbidity	NTU	GRAB 5/6/96	11.3	225	11.3	75		

Sewage - - Mesa

Inf	mg/l	GRAB	*	--	*	--		
T.S.S	lbs/day			--		--		
EFF	mg/l	GRAB	*	75	*	25		
G&O	lbs/day			63		21		
EFF	mg/l	GRAB	*		*			
T.S.S	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
 DISCHARGED TO UNIT 1 OUTFALL