

## Southern California Edison Monthly Report

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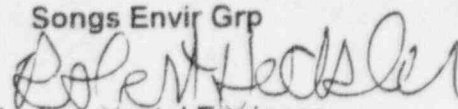
Facility : Songs Unit 2      Exact Sample Point : Intake and  
 Order No : 94-49      Discharge Conduits  
 Report Freq : Monthly      Collected By : Songs Envir Grp  
 Report For : April 1996      Analyzed By : Songs Envir Grp  
 Report Due: May 30, 1996      Signed : *Robert Heckler*  
 Waste Stream : 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	
4-1-96	79	59	60	20
4-2-96	79	59	60	20
4-3-96	80	60	60	20
4-4-96	79	59	60	19
4-5-96	79	60	61	19
4-6-96	79	60	60	19
4-7-96	79	59	60	20
4-8-96	79	59	61	20
4-9-96	78	58	59	20
4-10-96	78	58	60	20
4-11-96	80	59	60	20
4-12-96	80	60	60	20
4-13-96	77	60	60	18
4-14-96	84	60	60	25
4-15-96	79	60	60	19
4-16-96	80	60	60	20
4-17-96	80	60	60	20
4-18-96	80	60	60	20
4-19-96	80	60	62	20
4-20-96	78	58	59	20
4-21-96	78	59	60	20
4-22-96	78	59	60	20
4-23-96	77	57	59	20
4-24-96	76	57	58	20
4-25-96	78	58	59	20
4-26-96	80	61	61	20
4-27-96	81	61	61	20
4-28-96	81	61	61	20
4-29-96	83	63	65	20
4-30-96	83	63	64	20
Avg	79	60	60	20
Reqd	--	--	--	20

Heat Treatment Occured : Apr 14, 1996

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Facility : Songs Unit 2      Exact Sample Point : Intake and Screenwell  
 Order No : 94-49  
 Report Freq : Monthly      Collected By : Instrumentation  
 Report For : April 1996      Analyzed By : Songs Envir Grp  
 Report Due : May 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	
Date/Time Treatment Began	--	--	4/14/96	03:20 pm
Date/Time Treatment Ended	--	--	4/14/96	04:35 pm
Total Time of Treatment	hours	--	1.25	
Maximum Screenwell Temperature Attained (Screenwell Target Temperature)	degr F	* 100	102	
Screenwell Target Temp Duration	hours	* 2.1	1.25	

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)

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Facility :	Songs Unit 2	Exact Sample Point : Intake and Screenwell
Order No :	94-49	
Report Freq :	Monthly	Collected By : Instrumentation
Report For :	April 1996	Analyzed By : Songs Envir Grp
Report Due :	May 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	1.25

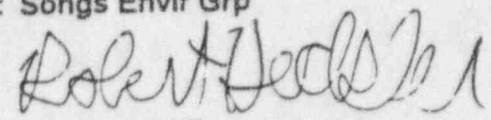
Following Section only Completed if intake Target Temperature was exceeded.

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)

\* NO HEAT TREAT PERFORMED

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

Parameter : Flow Rate

Units : Million Gallons per Day (MGD)

Date	Combined Discharge	Total Low Volume Waste	Total Sewage Treatment
1	1218.838	0.252	0
2	1218.780	0.174	0
3	1218.884	0.298	0
4	1168.032	0.232	0
5	1108.780	0.180	0
6	1218.898	0.312	0
7	1218.836	0.250	0
8	1218.764	0.178	0
9	1218.765	0.179	0
10	1218.892	0.306	0
11	1218.827	0.241	0
12	1218.894	0.308	0
13	924.696	0.176	0
14	1200.255	0.255	0
15	1218.816	0.230	0
16	1218.764	0.178	0
17	1218.819	0.233	0
18	1218.762	0.176	0
19	1218.821	0.235	0
20	1218.872	0.286	0
21	1218.889	0.303	0
22	1218.764	0.178	0
23	1218.706	0.120	0
24	1218.877	0.291	0
25	1218.836	0.250	0
26	1218.762	0.176	0
27	1218.817	0.231	0
28	1218.822	0.236	0
29	1218.821	0.235	0
30	1218.764	0.178	0
Avg	1203.034	0.229	0
Reqd	1286.900	11.610	0.145

SEWAGE TREATMENT DISCHARGED TO UNIT 1 OUTFALL



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Facility : Songs Unit 2  
Order No : 94-49  
Report Freq : Monthly  
Report For : April 1996  
Report Due : May 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 :

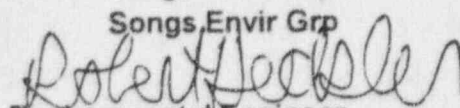
Title : Environmental Engineer

Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
pH	--	GRAB	--	--	8.2	4/2/96 08:00 am
Turbidity	NTU	GRAB	--	--	7.6	4/2/96 08:00 am

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Facility : Songs Unit 2  
 Order No : 94-49  
 Report Freq : Monthly  
 Report For : April 1996  
 Report Due : May 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	--	--	6.7	4/2/96 08:45 am
pH	--	GRAB	--	6 - 9	8.2	4/2/96 08:45 am
Hydrazine	ug/l lbs/day	GRAB	Inst Max	340 3954	< 4.0 < 40.662	4/16/96 10:25 am
Acute Toxicity	TUa	GRAB	Inst Max	2.5	0.31	4/10/96 08:30 am
	TUa	GRAB	Weekly Avg.	2.0	0.31	4/10/96 08:30 am
	TUa	GRAB	Monthly Avg.	1.5	0.31	4/10/96 08:30 am
Chronic Toxicity	TUc	GRAB	Daily Max	10.0	< 1.00	4/10/96 08:30 am

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Facility : Songs Unit 2      Exact Sample Point : Point of Discharge  
 Order No : 94-49  
 Report Freq : Monthly      Collected By : Songs Envir Grp  
 Report For : April 1996      Analyzed By : Songs Envir Grp  
 Report Due : May 30, 1996      Signed : *Robert Hecker*  
 Waste Stream : Thermophilic Digester (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 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	*	*

NO FLOW - SYSTEM NOT INSTALLED



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Facility : Songs Unit 2      Exact Sample Point : Point of  
 Order No : 94-49      Discharge  
 Report Freq : Monthly      Collected By : Songs Envir Grp  
 Report For : April 1996      Analyzed By : Songs Envir Grp  
 Report Due : May 30, 1996      Signed : *Robert Heckler*  
 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		

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Facility : Songs Unit 2      Exact Sample Point : Point of  
 Order No : 94-49      Discharge  
 Report Freq : Monthly      Collected By : Songs Envir Grp  
 Report For : April 1996      Analyzed By : Songs Envir Grp  
 Report Due : May 30, 1996      Signed : *Robert Hecker*  
 Waste Stream : Steam Generator      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			180	*	*
	mg/l	GRAB	Daily Max	100		
	lbs/day			600	*	*
Grease and Oil	mg/l	GRAB	Inst Max	100		
	lbs/day			600	*	*
	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	*	*

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Facility : Songs Unit 2      Exact Sample Point : Point of Discharge  
Order No : 94-49  
Report Freq : Monthly      Collected By : Songs Envir Grp  
Report For : April 1996      Analyzed By : Songs Envir Grp  
Report Due : May 30, 1996      Signed : *Robert M. Hecker*  
Waste Stream : Blowdown Processing      Title : Environmental Engineer  
System Regen. (Low Volume Waste)

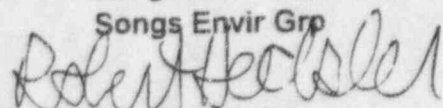
Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
Total Suspended Solids	mg/l	GRAB	Monthly Avg	30	*	*
	lbs/day			21		
	mg/l	GRAB	Daily Max	100	*	*
	lbs/day			71		
Grease and Oil	mg/l	GRAB	Inst Max	100	*	*
	lbs/day			71		
	mg/l	GRAB	Monthly Avg	15	*	*
	lbs/day			11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

\* NO FLOW IN APRIL 1996

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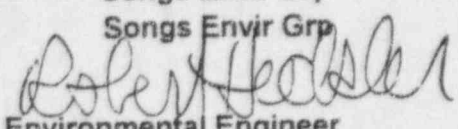
Facility : Songs Unit 2  
 Order No : 94-49  
 Report Freq : Monthly  
 Report For : April 1996  
 Report Due : May 30, 1996  
 Waste Stream : Full Flow Cond.  
 Polish Demin. (Low Volume Waste)

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	13.3	4/1/96
	lbs/day			350	8.10	05:20 pm
	mg/l	GRAB	Daily Max	100	13.3	4/1/96
	lbs/day			1200	14.97	05:20 pm
	mg/l	GRAB	Inst Max	100	13.3	4/1/96
	lbs/day			1200	14.97	05:20 pm
Grease and Oil	mg/l	GRAB	Monthly Avg	15	< 2.0	4/1/96
	lbs/day			180	< 1.22	05:20 pm
	mg/l	GRAB	Daily Avg	20	< 2.0	4/1/96
	lbs/day			230	< 2.25	05:20 pm
	mg/l	GRAB	Inst Max	20	< 2.0	4/1/96
	lbs/day			230	< 2.25	05:20 pm

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Facility : Songs Unit 2      Exact Sample Point : Point of Discharge  
 Order No : 94-49  
 Report Freq : Monthly      Collected By : Songs Envir Grp  
 Report For : April 1996      Analyzed By : Songs Envir Grp  
 Report Due : May 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	3.5	4/20/96
	lbs/day			170	1.05	01:14 pm
	mg/l	GRAB	Daily Max	100	6.4	4/20/96
	lbs/day			560	5.98	01:14 pm
	mg/l	GRAB	Inst Max	100	6.4	4/20/96
	lbs/day			560	5.98	01:14 pm
Grease and Oil	mg/l	GRAB	Monthly Avg	15	< 2.0	4/3/96
	lbs/day			84	< 0.60	05:15 pm
	mg/l	GRAB	Daily Avg	20	< 2.0	4/3/96
	lbs/day			110	< 1.87	05:15 pm
	mg/l	GRAB	Inst Max	20	< 2.0	4/3/96
	lbs/day			110	< 1.87	05:15 pm



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Facility : Songs Unit 2      Exact Sample Point : Point of  
 Order No : 94-49      Discharge  
 Report Freq : Monthly      Collected By : Songs Envir Grp  
 Report For : April 1996      Analyzed By : Songs Envir Grp  
 Report Due : May 30, 1996      Signed : *Robert Heasley*  
 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	*	*
Total Suspended Solids	mg/l	GRAB	Daily Max	100		
	lbs/day			360	*	*
Grease and Oil	mg/l	GRAB	Inst Max	100		
	lbs/day			360	*	*
Grease and Oil	mg/l	GRAB	Monthly Avg	15		
	lbs/day			54	*	*
Grease and Oil	mg/l	GRAB	Daily Avg	20		
	lbs/day			72	*	*
Grease and Oil	mg/l	GRAB	Inst Max	20		
	lbs/day			72	*	*

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Facility : Songs Unit 2

Exact Sample Point : Point of Discharge

Order No : 94-49

Report Freq : Monthly

Collected By : Songs Envir Grp

Report For : April 1996

Analyzed By : Songs Envir Grp

Report Due : May 30, 1996

Signed :

Title : Environmental Engineer

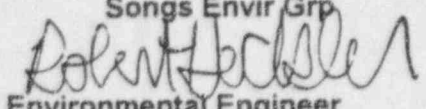
Waste Stream : Intake Sump

(Low Volume Waste)

Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
Total Suspended Solids	mg/l	GRAB	Monthly Avg	30	3.2	4/5/96
	lbs/day			72	1.87	08:30 am
	mg/l	GRAB	Daily Max	100	3.2	4/5/96
	lbs/day			240	1.87	08:30 am
	mg/l	GRAB	Inst Max	100	3.2	4/5/96
	lbs/day			240	1.87	08:30 am
Grease and Oil	mg/l	GRAB	Monthly Avg	15	8.8	4/5/96
	lbs/day			36	5.14	08:30 am
	mg/l	GRAB	Daily Avg	20	8.8	4/5/96
	lbs/day			48	5.14	08:30 am
	mg/l	GRAB	Inst Max	20	8.8	4/5/96
	lbs/day			48	5.14	08:30 am

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Facility : Songs Unit 2      Exact Sample Point : Point of  
 Order No : 94-49      Discharge  
 Report Freq : Monthly      Collected By : Songs Envir Grp  
 Report For : April 1996      Analyzed By : Songs Envir Grp  
 Report Due : May 30, 1996      Signed :   
 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	< 2.5	4/10/96
	lbs/day			200	< 1.04	12:45 pm
	mg/l	GRAB	Daily Max	100	< 2.5	4/10/96
	lbs/day			670	< 1.04	12:45 pm
	mg/l	GRAB	Inst Max	100	< 2.5	4/10/96
	lbs/day			670	< 1.04	12:45 pm
Grease and Oil	mg/l	GRAB	Monthly Avg	15	2.2	4/10/96
	lbs/day			100	0.92	12:45 pm
	mg/l	GRAB	Daily Avg	20	2.2	4/10/96
	lbs/day			130	0.92	12:45 pm
	mg/l	GRAB	Inst Max	20	2.2	4/10/96
	lbs/day			130	0.92	12:45 pm

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

		<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	mg/l	09:25	593.0	-	593.0	-	
T.S.S	lbs/day	GRAB 4/11/96	217.6	-	118.7	-	
EFF	mg/l	10:00	6.3	75	6.3	25	
G&O	lbs/day	GRAB 4/9/96	2.3	63	1.3	21	
EFF	mg/l	09:15	11.7	213.0	10.2	180.8	
T.S.S	lbs/day	GRAB 4/18/96	4.3	129.7	2.0	81.4	
Sett. Solids	ml/l	GRAB 09:25 4/25/96	0.2	3.0	0.1	1.0	
pH	Units	GRAB 4/24/96	6.8	6.0 - 9.0	7.2	6.0 - 9.0	
Turbidity	NTU	GRAB 4/9/96	17.2	225	17.2	75	

## Sewage - - Mesa

Inf	mg/l						
T.S.S	lbs/day	GRAB	*	-	*	-	
EFF	mg/l			75		25	
G&O	lbs/day	GRAB	*	63	*	21	
EFF	mg/l			0.0		0.0	
T.S.S	lbs/day	GRAB	*	0.0	*	0.0	
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 THE UNIT 1 SEWAGE TREATMENT PLANT  
DISCHARGED TO UNIT 1 OUTFALL