

Southern California Edison Monthly Report

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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 : April 1996 Analyzed By : Songs Envir Grp
 Report Due: May 30, 1996 Signed : *Robert H. H. H.*
 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	80	60	61	20
4-2-96	80	60	61	20
4-3-96	81	61	61	20
4-4-96	81	61	61	20
4-5-96	80	61	62	20
4-6-96	80	61	61	19
4-7-96	81	60	61	22
4-8-96	90	59	61	31
4-9-96	78	59	60	19
4-10-96	78	59	61	19
4-11-96	80	61	62	19
4-12-96	81	62	63	19
4-13-96	81	63	63	19
4-14-96	81	62	63	19
4-15-96	80	62	62	19
4-16-96	80	61	62	19
4-17-96	80	62	63	19
4-18-96	81	62	63	19
4-19-96	78	59	61	19
4-20-96	79	60	61	19
4-21-96	79	60	62	19
4-22-96	79	60	61	19
4-23-96	78	59	61	19
4-24-96	77	58	59	19
4-25-96	79	60	61	19
4-26-96	81	62	63	19
4-27-96	82	63	64	19
4-28-96	83	64	65	19
4-29-96	83	64	65	19
4-30-96	81	63	64	19
Avg	80	61	62	20
Reqd	--	--	--	20

Heat Treatment Occured : Apr 7, 1996 and Apr 8, 1996

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Facility : Songs Unit 3 Exact Sample Point : Intake and Screenwell
 Order No : 94-50
 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 : *Robert Hecker*
 Title : Environmental Engineer

Intake and Screenwell Heat Treatment Occured This Month.

PARAMETER	UNITS	REQUIREMENT	RESULT	
Date/Time Treatment Began	--	--	4/8/96	01:04 am
Date/Time Treatment Ended	--	--	4/8/96	08:04 am
Total Time of Treatment	hours	--	7.00	
Maximum Screenwell Temperature Attained (Screenwell Target Temperature)	degr F	* 100	96	
Screenwell Target Temp Duration	hours	* 2.1	7	

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 3	Exact Sample Point : Intake and Screenwell
Order No :	94-50	
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 : <i>Robert Heckler</i> 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	116
Screenwell Target Temp Duration	hours	* 2.1	7

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)

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

Exact Sample Point : Discharge
 Conduit

Collected By : Instrumentation

Analyzed By : Songs Envir Grp

Signed :

Robert Jackler

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

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Facility : Songs Unit 3
 Order No : 94-50
 Report Freq : Monthly
 Report For : April 1996
 Report Due : May 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 Jackler*
 Title : Environmental Engineer

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

Date	Combined Discharge	Total Low Volume Waste	Total Sewage Treatment
1	1218.656	0.070	0
2	1218.874	0.288	0
3	1218.714	0.128	0
4	1218.824	0.238	0
5	1197.467	0.267	0
6	942.000	0.130	0
7	1024.408	0.208	0
8	1218.853	0.267	0
9	1218.715	0.129	0
10	1218.842	0.256	0
11	1218.794	0.208	0
12	1218.716	0.130	0
13	1218.840	0.254	0
14	1218.656	0.070	0
15	1218.794	0.208	0
16	1218.853	0.267	0
17	1218.794	0.208	0
18	1218.712	0.126	0
19	1218.776	0.190	0
20	1218.838	0.252	0
21	1218.826	0.240	0
22	1218.714	0.128	0
23	1218.656	0.070	0
24	1218.846	0.260	0
25	1218.787	0.201	0
26	1218.712	0.126	0
27	1218.792	0.206	0
28	1218.794	0.208	0
29	1218.793	0.207	0
30	1218.714	0.128	0
Avg	1202.359	0.189	0
Reqt	1286.900	11.610	0.145

SEWAGE TREATMENT DISCHARGED TO UNIT 1 OUTFALL

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Facility : Songs Unit 3
 Order No : 94-50
 Report Freq : Monthly
 Report For : April 1996
 Report Due : May 30, 1996
 Waste Stream : Cooling Water Intake

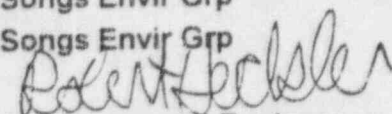
Exact Sample Point : Intake and
 Discharge Conduits

Collected By : Songs Envir Grp

Analyzed By : Songs Envir Grp

Signed :

Title : Environmental Engineer

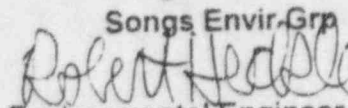


Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
pH	--	GRAB	--	--	8.3	4/1/96 11:35 am
Turbidity	NTU	GRAB	--	--	5.7	4/1/96 11:35 am

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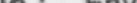
Facility : Songs Unit 3
 Order No : 94-50
 Report Freq : Monthly
 Report For : April 1996
 Report Due : May 30, 1996
 Waste Stream : Combined Discharge

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	--	--	9.1	4/1/96 01:35 pm
pH	--	GRAB	--	6 - 9	8.2	4/1/96 01:35 pm
Hydrazine	ug/l lbs/day	GRAB	Inst Max	340 3954	< 4.0 < 40.662	4/16/96 10:30 am
Acute Toxicity	TUa	GRAB	Inst Max	2.5	0.13	4/10/96 08:30 am
	TUa	GRAB	Weekly Avg.	2.0	0.13	4/10/96 08:30 am
	TUa	GRAB	Monthly Avg.	1.5	0.13	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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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 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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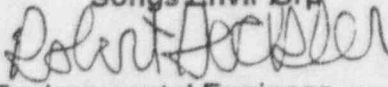
Facility : Songs Unit 3 Exact Sample Point : Point of
Order No : 94-50 Discharge
Report Freq : Monthly Collected By : Songs Envir Grp
Report For : April 1996 Analyzed By : Songs Envir Grp
Report Due : May 30, 1996 Signed : *Robert J. Schuler*
Waste Stream : Condenser Hotwell Title : Environmental Engineer
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		
Grease and Oil	mg/l	GRAB	Inst Max	100	*	*
	lbs/day			6000		
	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		

* NO FLOW IN APRIL 1996

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Facility :	Songs Unit 3	Exact Sample Point :	Point of Discharge
Order No :	94-50	Collected By :	Songs Envir Grp
Report Freq :	Monthly	Analyzed By :	Songs Envir Grp
Report For :	April 1996	Signed :	
Report Due :	May 30, 1996	Title :	Environmental Engineer
Waste Stream :	Steam Generator		
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		
Total Suspended Solids	mg/l	GRAB	Daily Max	100	*	*
	lbs/day			600		
Total Suspended Solids	mg/l	GRAB	Inst Max	100	*	*
	lbs/day			600		
Grease and Oil	mg/l	GRAB	Monthly Avg	15	*	*
	lbs/day			90		
Grease and Oil	mg/l	GRAB	Daily Avg	20	*	*
	lbs/day			120		
Grease and Oil	mg/l	GRAB	Inst Max	20	*	*
	lbs/day			120		

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Facility : Songs Unit 3 Exact Sample Point : Point of
 Order No : 94-50 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 H. Hadden*
 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			100		
Grease and Oil	lbs/day	GRAB	Daily Max	71	*	*
	mg/l			100		
	lbs/day			71		
Grease and Oil	mg/l	GRAB	Monthly Avg	15	*	*
	lbs/day			11		
	mg/l			20	*	*
Grease and Oil	lbs/day	GRAB	Daily Avg	14		
	mg/l			20		
Grease and Oil	lbs/day	GRAB	Inst Max	14	*	*
	mg/l			14		

* NO FLOW IN APRIL 1996

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Facility : Songs Unit 3

Exact Sample Point :

Point of

Order No : 94-50

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 : Full Flow Cond.

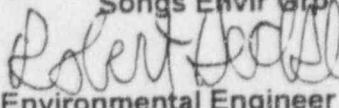
Title : Environmental Engineer

Polish Demineralizer (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	5.4	4/2/96
	lbs/day			350	3.74	02:55 am
	mg/l	GRAB	Daily Max	100	5.4	4/2/96
	lbs/day			1200	6.26	02:55 am
	mg/l	GRAB	Inst Max	100	5.4	4/2/96
	lbs/day			1200	6.26	02:55 am
Grease and Oil	mg/l	GRAB	Monthly Avg	15	< 2.0	4/2/96
	lbs/day			180	< 1.38	01:34 am
	mg/l	GRAB	Daily Avg	20	< 2.0	4/2/96
	lbs/day			230	< 2.32	01:34 am
	mg/l	GRAB	Inst Max	20	< 2.0	4/2/96
	lbs/day			230	< 2.32	01:34 am

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Facility : Songs Unit 3 Exact Sample Point : Point of Discharge
 Order No : 94-50
 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 : 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	4/1/96
	lbs/day			110	< 0.04	08:15 pm
	mg/l	GRAB	Daily Max	100	< 2.5	4/1/96
	lbs/day			360	< 1.06	08:15 pm
	mg/l	GRAB	Inst Max	100	< 2.5	4/1/96
	lbs/day			360	< 1.06	08:15 pm
Grease and Oil	mg/l	GRAB	Monthly Avg	15	< 2.0	4/1/96
	lbs/day			54	< 0.03	08:15 pm
	mg/l	GRAB	Daily Avg	20	< 2.0	4/1/96
	lbs/day			72	< 0.85	08:15 pm
	mg/l	GRAB	Inst Max	20	< 2.0	4/1/96
	lbs/day			72	< 0.85	08:15 pm

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Facility : Songs Unit 3

Exact Sample Point : Point of
Discharge

Order No : 94-50

Report Freq : Monthly

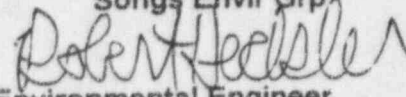
Collected By : Songs Envir Grp

Report For : April 1996

Analyzed By : Songs Envir Grp

Report Due : May 30, 1996

Signed :

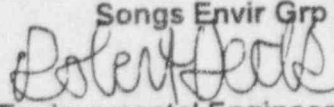
Waste Stream : Intake Sump
(Low Volume Waste)

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	10.9	4/5/96
				72	6.36	08:20 am
	mg/l lbs/day	GRAB	Daily Max	100	10.9	4/5/96
				240	6.36	08:20 am
	mg/l lbs/day	GRAB	Inst Max	100	10.9	4/5/96
				240	6.36	08:20 am
Grease and Oil	mg/l lbs/day	GRAB	Monthly Avg	15	5.6	4/5/96
				36	3.27	08:20 am
	mg/l lbs/day	GRAB	Daily Avg	20	5.6	4/5/96
				48	3.27	08:20 am
	mg/l lbs/day	GRAB	Inst Max	20	5.6	4/5/96
				48	3.27	08:20 am

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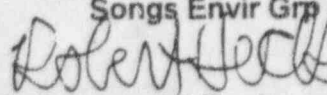
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Facility : Songs Unit 3 Exact Sample Point : Point of
Order No : 94-50 Discharge
Report Freq : Monthly Collected By : Songs Envir Grp
Report For : April 1996 Analyzed By : Songs Envir Grp
Report Due : May 30, 1996 Signed : 
Waste Stream : Building 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		
	lbs/day			200	*	*
	mg/l			100		
Grease and Oil	lbs/day	GRAB	Daily Max	670	*	*
	mg/l			100		
	lbs/day			670	*	*
Grease and Oil	mg/l	GRAB	Monthly Avg	15		
	lbs/day			100	*	*
	mg/l	GRAB	Daily Avg	20		
Grease and Oil	lbs/day			130	*	*
	mg/l		Inst Max	20		
	lbs/day			130	*	*
	mg/l			130	*	*

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Facility : Songs Unit 3 Exact Sample Point : Point of Discharge
 Order No : 94-50
 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 (Low Volume Waste) Title : Environmental Engineer

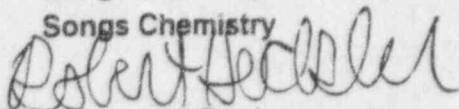
Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
Total Suspended Solids	mg/l	GRAB	Monthly Avg	30	3.5	4/20/96
	lbs/day			170	1.02	01:14 pm
	mg/l	GRAB	Daily Max	100	6.4	4/20/96
	lbs/day			560	3.31	01:14 pm
	mg/l	GRAB	Inst Max	100	6.4	4/20/96
	lbs/day			560	3.31	01:14 pm
Grease and Oil	mg/l	GRAB	Monthly Avg	15	< 2.0	4/3/96
	lbs/day			84	< 0.58	05:15 pm
	mg/l	GRAB	Daily Avg	20	< 2.0	4/3/96
	lbs/day			110	< 1.03	05:15 pm
	mg/l	GRAB	Inst Max	20	< 2.0	4/3/96
	lbs/day			110	< 1.03	05:15 pm

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Facility : Songs Unit 3
 Order No : 94-50
 Report Freq : Monthly
 Report For : April 1996
 Report Due : May 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

		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 T.S.S	mg/l lbs/day	GRAB	09:25 4/11/96	593.0 217.6	-- --	593.0 118.7	-- --
EFF G&O	mg/l lbs/day	GRAB	10:00 4/9/96	6.3 2.3	75 63	6.3 1.3	25 21
EFF T.S.S	mg/l lbs/day	GRAB	09:15 4/18/96	11.7 4.3	213.0 129.7	10.2 2.0	180.8 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 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		*	0.0 0.0	*	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