

August 24, 2007

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

Subject: Docket Nos. 50-361 and 50-362
Report of NPDES Permit Violations
San Onofre Nuclear Generating Station (SONGS), Units 2 and 3

Dear Sir or Madam:

On June 5, 2007, during performance of the required weekly manual sampling of the Unit 3 outfall, a residual chlorine value of 0.21 ppm was obtained. This is above the Unit 3 NPDES Permit, Order No. R9-2005-0006, maximum limit of 0.20 ppm for total residual chlorine. SCE determined the cause of this event was fouling of the outfall monitor causing a slower than normal response time of the analyzer. SCE reported this occurrence to the California RWQCB, San Diego Region, by letter dated July 27, 2007 (Attachment 1).

On June 13, 2007, a sample of the Unit 1 Sewage Treatment Plant effluent indicated a pH of 4.34. This is below the minimum pH level of 6.0 required by the SONGS Unit 2 National Pollution Discharge Elimination System (NPDES) Permit Order No. R9-2005-0005. A review of the operating conditions and records determined that the likely cause was water decanted from the non-operating train of the treatment plant. The pH level was below 6.0 for about ten minutes. Southern California Edison (SCE) reported this occurrence to the California Regional Water Quality Control Board (RWQCB), San Diego Region, by letter dated July 27, 2007 (Attachment 2).

SONGS Units 2 and 3 Facility Operating Licenses (Nos. NPF-10 and NPF-15), Appendix B, Section 3.2, require violations of the NPDES Permit or State certification (pursuant to Section 401 of the Clean Water Act), to be reported to the NRC by submitting copies of the reports required by the NPDES Permit or certification. Accordingly, copies of the reports submitted to the California RWQCB are provided as attachments to this letter.

If you have any questions, please contact Mr. Clay E. Williams at (949) 368-6707.

Sincerely,



Attachments: 1. NPDES June 2007 Discharge Monitoring Report, Unit 3, dated July 27, 2007
2. NPDES June 2007 Discharge Monitoring Report, Unit 2, dated July 27, 2007

cc: B. S. Mallett, NRC Regional Administrator, Region IV
N. Kalyanam, NRC Project Manager, San Onofre Units 2, and 3
C. C. Osterholtz, NRC Senior Resident Inspector, San Onofre Units 2 and 3
S. Y. Hsu, California Department of Health Services



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July 27, 2007

Mr. John Robertus
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Ct. Suite 100
San Diego, California 92123
IC: 13-0086.01

SUBJECT: NPDES June 2007 Discharge Monitoring Report
San Onofre Nuclear Generating Station, Unit 3

Dear Mr. Robertus:

SCE submits the subject report in accordance with the requirements of Order No. R9-2005-0006 (NPDES Permit No. CA0108181). All sampled water sources were found to be within permit limits with one exception. During performance of required weekly manual sampling of the unit 3 outfall for residual chlorine a value of 0.21 ppm was obtained. This is above the NPDES limit for total residual chlorine 0.20 ppm. Therefore, an NPDES exceedance occurred.

Following the event and the immediate corrective actions a test standard was introduced into the outfall monitor. It took approximately 30 minutes for the analyzer to produce its best reading of 0.177 ppm for the 0.2 ppm standard, this is not only out of specification for the analyzer but the response time was much slower than normal. It was observed that the sample tubing in the analyzer appeared fouled. This condition was caused by the recent heat treatment of a circulating water system that was somewhat fouled by the recent red tide conditions. Chemistry was directed to replace the fouled tubing. A new standard was introduced into the analyzer. This resulted in a response of 0.193 ppm in 13 minutes. The majority of the response (to 0.1475 ppm) occurred in two minutes. Not only was this response in specification with respect to value, it was also much faster.

So the cause of this event was the fouling of the outfall monitor causing a slower than normal response time of the analyzer. The analyzer is set to trip the system at 0.13 ppm. This value normally provides sufficient margin to trip the process prior to reaching the exceedance level of 0.2 ppm chlorine. With the response of the analyzer very slow and with the normal injection period very short, the high outfall chlorine concentration was not detected by the analyzer. In the future, the Chemistry Department will inspect the tubing in the chlorine analyzer weekly and purge or replace the tubing in the analyzer as necessary.

Pursuant to Order No. R9-2005-0006, State and Federal Standard Provisions, Section E, the following representative has prepared and is authorized to sign the reports required by this order:
Robert K. Heckler, Environmental Engineer.



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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 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,

A handwritten signature in black ink, appearing to read 'H. W. Newton', with a large, sweeping flourish at the end.

H. W. Newton

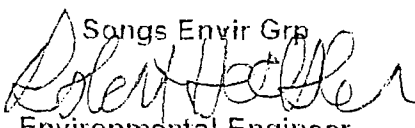
Manager, Site Support Services

Enclosure

cc: Environmental Protection Agency, Region IX
State Water Resources Control Board

bcc: J. Reilly
H. W. Newton/M. J. Johnson - w/o enclosure
D. Kay
M. Hunter - w/o enclosure
O. Flores
C. Williams
CDM Files
IDB - NPDES/R. K. Heckler

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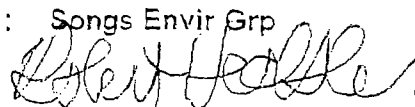
Facility :	Songs Unit 3	Exact Sample Point :	Intake and Discharge Conduits
Order No :	R9-2005-0006	Collected By :	Songs Envir Grp
Report Freq :	Monthly	Analyzed By :	Songs Envir Grp
Report For :	June 2007	Signed :	
Report Due :	Aug 01, 2007	Title :	Environmental Engineer
Waste Stream :	Water Intake and Combined Discharge		

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

Date	Combined Discharge	Water Intake		Daily Avg Diff	Daily Max Difference
	Avg	Avg	Max		
6-1-07	80	61	63	19	19
6-2-07	84	62	63	22	62 *
6-3-07	81	65	93	16	19
6-4-07	81	62	63	19	19
6-5-07	81	62	63	19	20
6-6-07	82	63	64	19	19
6-7-07	82	63	64	19	19
6-8-07	83	64	65	19	19
6-9-07	84	65	65	19	19
6-10-07	84	65	66	19	19
6-11-07	85	66	67	19	19
6-12-07	85	66	67	19	19
6-13-07	85	66	66	19	19
6-14-07	84	65	66	19	19
6-15-07	85	66	67	19	19
6-16-07	86	67	68	19	19
6-17-07	85	66	68	19	20
6-18-07	86	66	68	19	20
6-19-07	86	66	68	19	20
6-20-07	83	63	66	19	20
6-21-07	81	62	65	19	19
6-22-07	83	64	66	19	19
6-23-07	85	66	67	19	19
6-24-07	85	66	67	19	19
6-25-07	85	66	67	19	20
6-26-07	86	67	68	19	20
6-27-07	86	66	67	19	20
6-28-07	85	66	67	19	20
6-29-07	86	67	68	20	20
6-30-07	86	67	68	19	20
Avg	84	65	67	19	21
Reqt	--	--	--	25	25

* Heat Treatment Occured : Jun 02, 2007

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Facility :	Songs Unit 3	Exact Sample Point :	Intake and Screenwell
Order No :	R9-2005-0006	Collected By :	Instrumentation
Report Freq :	Monthly	Analyzed By :	Songs Envir Grp
Report For :	June 2007	Signed :	
Report Due :	Aug 01, 2007	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	--	--	6/2/2007 08:40 pm
Date/Time Treatment Ended	--	--	6/2/2007 09:55 pm
Total Time of Treatment	hours	--	1.25
Maximum Screenwell Temperature Attained (Screenwell Target Temperature)	degr F	* 100	101
Screenwell Target Temp Duration	hours	* 2.1	1.3

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 : R9-2005-0006
 Report Freq : Monthly Collected By : Instrumentation
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007
 Report Topic : Intake Conduit and Screenwell Heat Treatment
 Signed : *[Signature]*
 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	124
Screenwell Target Temp Duration	hours	* 2.1	1.3

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	Exact Sample Point :	Discharge Conduit
Order No :	R9-2005-0006	Collected By :	Instrumentation
Report Freq :	Monthly	Analyzed By :	Songs Envir Grp
Report For :	June 2007	Signed :	
Report Due :	Aug 01, 2007	Title :	Environmental Engineer
Report Topic :	Discharge Conduit Heat Treatment		

Discharge and Screenwell Heat Treatment Occured This Month.

PARAMETER	UNITS	REQUIREMENT	RESULT
Date/Time Treatment Began	--	--	04:49 pm 6/2/2007
Date/Time Treatment Ended	--	--	04:54 pm 6/2/2007
Total Time of Treatment	hours	--	0.08
Maximum Discharge Conduit Temperature Attained (Discharge Conduit Target Temperature)	degr F	* 105	102

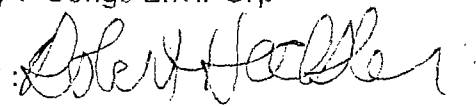
Following Section only Completed if Screenwell Target Temperature was Exceeded.

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)

Facility : Songs Unit 3
 Order No : R9-2005-0006
 Report Freq : Monthly
 Report For : June 2007
 Report Due : Aug 01, 2007
 Waste Stream : Combined Discharge
 Low Volume Waste


Exact Sample Point : Points of Discharge
 Collected By : Songs Envir Grp
 Analyzed By : Songs Envir Grp

Signed : 
 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	In Plant Waste
1	1,218.705	1,218.586	0.119	0.000	0.119
2	1,218.787	1,218.586	0.201	0.000	0.201
3	1,218.690	1,218.586	0.104	0.000	0.104
4	1,218.722	1,218.586	0.136	0.000	0.136
5	1,218.682	1,218.586	0.096	0.000	0.096
6	1,218.656	1,218.586	0.070	0.000	0.070
7	1,218.656	1,218.586	0.070	0.000	0.070
8	1,218.886	1,218.586	0.300	0.000	0.300
9	1,218.656	1,218.586	0.070	0.000	0.070
10	1,218.750	1,218.586	0.164	0.000	0.164
11	1,218.878	1,218.586	0.292	0.000	0.292
12	1,218.767	1,218.586	0.181	0.000	0.181
13	1,218.782	1,218.586	0.196	0.000	0.196
14	1,218.739	1,218.586	0.153	0.000	0.153
15	1,218.855	1,218.586	0.269	0.000	0.269
16	1,218.656	1,218.586	0.070	0.000	0.070
17	1,218.800	1,218.586	0.214	0.000	0.214
18	1,218.839	1,218.586	0.253	0.000	0.253
19	1,218.714	1,218.586	0.128	0.000	0.128
20	1,218.796	1,218.586	0.210	0.000	0.210
21	1,218.744	1,218.586	0.158	0.000	0.158
22	1,218.747	1,218.586	0.161	0.000	0.161
23	1,218.745	1,218.586	0.159	0.000	0.159
24	1,218.856	1,218.586	0.270	0.000	0.270
25	1,218.850	1,218.586	0.264	0.000	0.264
26	1,218.876	1,218.586	0.290	0.000	0.290
27	1,218.869	1,218.586	0.283	0.000	0.283
28	1,218.936	1,218.586	0.350	0.000	0.350
29	1,218.857	1,218.586	0.271	0.000	0.271
30	1,218.726	1,218.586	0.140	0.000	0.140
Avg	1,218.774	1,218.586	0.188	0.000	0.188
Reqd	1286.900		11.610	0.145	

Sewage Treatment Discharged To Unit 2 Outfall

Facility : Songs Unit 3 Exact Sample Point : Intake and
Order No : R9-2005-0006 Discharge Conduits
Report Freq : Monthly Collected By : Songs Envir Grp
Report For : June 2007 Analyzed By : Songs Envir Grp
Report Due : Aug 01, 2007 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	--	--	8.3	6/13/2007 12:30 pm
Turbidity	NTU	GRAB	--	--	3.1	6/13/2007 12:30 pm

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Facility : Songs Unit 3 Exact Sample Point : Point of Discharge
 Order No : R9-2005-0006
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *[Signature]*
 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	--	--	1.7	6/05/07 09:10 am
pH	--	GRAB	--	6 - 9	8.2	6/05/07 09:10 am
Hydrazine	ug/l	GRAB	Inst Max	--	< 4.0	6/16/07
	lbs/day			--	< 40.7	08:32 am
Total Chlorine Residual	ug/l	GRAB	Inst Max	200	210.0	6/05/07
	lbs/day			2100	88.9	09:10 am
Total Chlorine Residual	ug/l	GRAB	Daily Max	88	18	6/05/07
	lbs/day			940	7.6	09:10 am
	ug/l	GRAB	6-MO Median	22	7	6/05/07 09:10 am

Facility : Songs Unit 3 Exact Sample Point : Point of
 Order No : RS-2005-0006 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *[Signature]*
 Waste Stream : Hotwell Overboard Title : Environmental Engineer
 (Low Volume Waste)

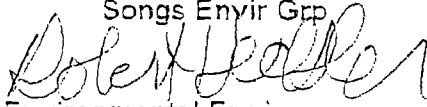
Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
Total Suspended Solids	mg/l	GRAB	30-Day Avg	30	*	*
	lbs/day			0.00		
Grease and Oil	mg/l	GRAB	Daily Max	100	*	*
	lbs/day			0.00		
Grease and Oil	mg/l	GRAB	30-Day Avg	15	*	*
	lbs/day			0.00		
Grease and Oil	mg/l	GRAB	Daily Max	20	*	*
	lbs/day			0.00		

* NO FLOW IN JUNE 2007

Facility : Songs Unit 3 Exact Sample Point : Point of Discharge
 Order No : R9-2005-0006
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *[Signature]*
 Waste Stream : Steam Generator Title : Environmental Engineer
 Blowdown (Low Volume Waste)

Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
Total Suspended Solids	mg/l	GRAB	30-Day Avg	30	*	*
	lbs/day			0.00	*	*
Grease and Oil	mg/l	GRAB	Daily Max	100	*	*
	lbs/day			0.00	*	*
Total Suspended Solids	mg/l	GRAB	30-Day Avg	15	*	*
	lbs/day			0.00	*	*
Grease and Oil	mg/l	GRAB	Daily Max	20	*	*
	lbs/day			0.00	*	*

* NO FLOW IN JUNE 2007

Facility :	Songs Unit 3	Exact Sample Point :	Point of Discharge
Order No :	R9-2005-0006	Collected By :	Songs Envir Grp
Report Freq :	Monthly	Analyzed By :	Songs Envir Grp
Report For :	June 2007	Signed :	
Report Due :	Aug 01, 2007	Title :	Environmental Engineer
Waste Stream :	Blowdown Processing (Low Volume Waste)		

Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
Total Suspended Solids	mg/l	GRAB	30-Day Avg	30	*	*
	lbs/day			0.00		
Grease and Oil	mg/l	GRAB	Daily Max	100	*	*
	lbs/day			0.00		
Grease and Oil	mg/l	GRAB	30-Day Avg	15	*	*
	lbs/day			0.00		
Grease and Oil	mg/l	GRAB	Daily Max	20	*	*
	lbs/day			0.00		

* NO FLOW IN JUNE 2007

Facility : Songs Unit 3 Exact Sample Point : Point of
 Order No : R9-2005-0006 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *Robert J. Hadden*
 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	30-Day Avg	30	< 0.4	6/5/2007
	lbs/day			6.60	< 0.22	12:20 pm
Total Suspended Solids	mg/l	GRAB	Daily Max	100	< 0.4	6/5/2007
	lbs/day			21.73	< 0.09	12:20 pm
Grease and Oil	mg/l	GRAB	30-Day Avg	15	< 1.8	6/5/2007
	lbs/day			3.26	< 1.00	12:20 pm
Grease and Oil	mg/l	GRAB	Daily Max	20	< 1.8	6/5/2007
	lbs/day			4.27	< 0.39	12:20 pm

Facility : Songs Unit 3 Exact Sample Point : Point of
 Order No : R9-2005-0006 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *Robert Jackson*
 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 lbs/day	GRAB	30-Day Avg	30	< 0.4	6/22/2007
				0.25	< 0.01	10:04 am
	mg/l lbs/day	GRAB	Daily Max	100	< 0.4	6/22/2007
				0.83	< 0.01	10:04 am
Grease and Oil	mg/l lbs/day	GRAB	30-Day Avg	15	< 1.8	6/22/2007
				0.13	< 0.04	10:04 am
	mg/l lbs/day	GRAB	Daily Max	20	< 1.8	6/22/2007
				0.17	< 0.02	10:04 am

Facility : Songs Unit 3 Exact Sample Point : Point of
 Order No : R9-2005-0006 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *[Signature]*
 Waste Stream : Plant Drains 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	30-Day Avg	30	*	*
	lbs/day			0.00	*	*
Grease and Oil	mg/l	GRAB	Daily Max	100	*	*
	lbs/day			0.00	*	*
Total Suspended Solids	mg/l	GRAB	30-Day Avg	15	*	*
	lbs/day			0.00	*	*
Grease and Oil	mg/l	GRAB	Daily Max	20	*	*
	lbs/day			0.00	*	*

* Discharged to Unit 2 Outfall

Facility : Songs Unit 3 Exact Sample Point : Point of
 Order No : R9-2005-0006 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *Robert H. [Signature]*
 Waste Stream : Concrete Cutting Water 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	30-Day Avg	30	*	*
	lbs/day			0.00	*	*
Grease and Oil	mg/l	GRAB	30-Day Avg	15	*	*
	lbs/day			0.00	*	*
Total Suspended Solids	mg/l	GRAB	Daily Max	100	*	*
	lbs/day			0.00	*	*
Grease and Oil	mg/l	GRAB	Daily Max	20	*	*
	lbs/day			0.00	*	*

* NO FLOW IN JUNE 2007

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Facility : Songs Unit 3 Exact Sample Point : Point of Discharge
 Order No : R9-2005-0006
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *[Signature]*
 Waste Stream : Unit 1 Radwaste 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	30-Day Avg	30	*	*
	lbs/day			0.00		
	mg/l	GRAB	Daily Max	100	*	*
	lbs/day			0.00		
Grease and Oil	mg/l	GRAB	30-Day Avg	15	*	*
	lbs/day			0.00		
	mg/l	GRAB	Daily Max	20	*	*
	lbs/day			0.00		

* NO FLOW IN JUNE 2007

Facility : Songs Unit 3 Exact Sample Point : Point of
 Order No : R9-2005-0006 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *[Signature]*
 Waste Stream : Unit 1 Yards Drains 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	30-Day Avg	30	1.2	6/28/2007
	lbs/day			0.25	0.01	02:58 pm
	mg/l	GRAB	Daily Max	100	1.2	6/28/2007
	lbs/day			0.83	0.01	02:58 pm
Grease and Oil	mg/l	GRAB	30-Day Avg	15	< 1.8	6/28/2007
	lbs/day			0.13	< 0.01	02:58 pm
	mg/l	GRAB	Daily Max	20	< 1.8	6/28/2007
	lbs/day			0.16	< 0.02	02:58 pm

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Facility : Songs Unit 3 Exact Sample Point : Point of Discharge
 Order No : R9-2005-0006
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *Robert Hecker*
 Waste Stream : Unit 1 Dewatering 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	30-Day Avg	30	1.3	6/28/2007
	lbs/day			852.27	3.69	02:50 pm
Total Suspended Solids	mg/l	GRAB	Daily Max	100	1.3	6/28/2007
	lbs/day			2810.67	36.86	02:50 pm
Grease and Oil	mg/l	GRAB	30-Day Avg	15	2.8	6/28/2007
	lbs/day			426.13	7.94	02:42 pm
Grease and Oil	mg/l	GRAB	Daily Max	20	2.8	6/28/2007
	lbs/day			571.20	79.40	02:42 pm

Facility : Songs Unit 3 Exact Sample Point : Point of Discharge
 Order No : R9-2005-0006
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Chemistry
 Report Due : Aug 01, 2007 Signed : *[Signature]*
 Waste Stream : Sewage Treatment Title : Environmental Engineer

Units	Sample Type	Date/Time of Sample	Daily Max		Monthly Avg	
			Sample Value	Req't Value	Sample Value	Req Value
<u>Sewage - - Unit 1</u>						
Inf T.S.S	mg/l lbs/day	GRAB		--	--	--
EFF G&O	mg/l lbs/day	GRAB		75	25	
				63	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

Sewage - - Mesa

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

Sewage Treatment Discharged To Unit 2 Outfall

*Mesa Sewage Treated at Unit 1 Sewage Treatment Plant

June 2007 In-Plant Waste Flows

Unit 2

HFMUD (002-D)	2,123,000 gal
FFCPD (002-F)	1,446,000 gal
Intake Sump (002-J)	2,100,000 gal
Building Sump (002-I)	1,500,000 gal
S/G Blowdown (002-G)	0 gal
Hotwell Overboard (002-H)	380,000 gal
Metal Cleaning (002-A, 002-B)	0 gal
BPS Sump (002-C)	0 gal
U2 Radwaste (002-E)	0 gal
Concrete Cooling Water (002-K)	0 gal
U1 Radwaste (001-D)	0 gal
U1 Yard Drain Sump (001-E)	27,000 gal
Dewatering (001-F)	91,800,000 gal
U1 Sewage Treatment Plant (001-A)	960,000 gal

Unit 2 Discharge Across the Beach

Start: 6/30/07 15:00 Stop: 6/30/07 23:15 Flow: 14,000 gpm Volume Discharged: 6.93 MG

Unit 3

HFMUD (003-D)	1,998,000 gal
FFCPD (003-F)	1,456,000 gal
Intake Sump (003-J)	2,100,000 gal
Building Sump (003-I)	0 gal

S/G Blowdown (003-G)	0 gal
Hotwell Overboard (003-H)	0 gal
Metal Cleaning (003A, 003-B)	0 gal
BPS Sump (003-C)	0 gal
U3 Radwaste (003-E)	0 gal
Concrete Cooling Water (003-K)	0 gal
U1 Radwaste (001-D)	0 gal
U1 Yard Drain Sump (001-E)	3,000 gal
Dewatering (001-F)	10,200,000 gal
U1 Sewage Treatment Plant (001-A)	0 gal

Unit 3 Discharge Across the Beach

Start: 6/02/07 14:55 Stop: 6/30/07 22:25 Flow: 14,000 gpm Volume Discharged: 6.30 MG

Chlorine Sample Calculations

San Onofre Units 2 and 3 normally chlorinate six times per day for each unit at a duration of 18 minutes. The instantaneous limit for total residual chlorine is therefore calculated using the equation in the NPDES permits for each unit under discharge specification B.1 as follows:

$$\log y = -0.43(\log x) + 1.8$$

Where y = the water quality objective (in $\mu\text{g/l}$) to apply when chlorine/bromine is being discharged

x = the duration of uninterrupted chlorine/bromine discharge in minutes

The result of the above formula must be multiplied by a dilution factor to arrive at the time weighted effluent discharge limit. In the case of San Onofre Units 2 and 3, this dilution factor equals 11.

The USEPA BAT effluent limitation contained in 40 CFR 423 is 0.20 mg/l .

To obtain the instantaneous limit under discharge specification B.1 for San Onofre Units 2 and 3, you can calculate as follows:

$$\log y = -0.43(\log 18) + 1.8$$

$$y = 0.2 \text{ mg/l}$$

$$\text{The MER limit (lb/day)} = 8.34 \times C \times Q \times Z/24$$

where C = effluent concentration limit as calculated above (mg/l)

Q = discharge flowrate (MGD)

Z = total time (hours of chlorine/bromine is discharged per day)

For Unit 2 in the month of June 2007, the limit would be calculated as follows:

$$\text{MER limit (lbs/day)} = 8.34(0.10)(1218.820)(2/24) = 84.71 \text{ lb/day (for sample on 6/07/07)}$$

$$\text{MER limit (lbs/day)} = 8.34(0.10)(1218.740)(2/24) = 84.71 \text{ lb/day (for sample on 6/12/07)}$$

$$\text{MER limit (lbs/day)} = 8.34(0.04)(1218.884)(2/24) = 33.88 \text{ lb/day (for sample on 6/19/07)}$$

$$\text{MER limit (lbs/day)} = 8.34(0.09)(1218.894)(2/24) = 76.24 \text{ lb/day (for sample on 6/26/07)}$$

For Unit 3 in the month of June 2007, the limit would be calculated as follows:

$$\text{MER limit (lbs/day)} = 8.34(0.20)(1218.682)(2/24) = 169.40 \text{ lb/day (for sample on 6/05/07)}$$

$$\text{MER limit (lbs/day)} = 8.34(0.02)(1218.656)(2/24) = 16.94 \text{ lb/day (for second sample on 6/05/07)}$$

$$\text{MER limit (lbs/day)} = 8.34(0.07)(1218.656)(2/24) = 59.29 \text{ lb/day (for sample on 6/07/07)}$$

$$\text{MER limit (lbs/day)} = 8.34(0.07)(1218.767)(2/24) = 59.29 \text{ lb/day (for sample on 6/12/07)}$$

$$\text{MER limit (lbs/day)} = 8.34(0.06)(1218.855)(2/24) = 50.83 \text{ lb/day (for sample on 6/15/07)}$$

$$\text{MER limit (lbs/day)} = 8.34(0.05)(1218.714)(2/24) = 42.35 \text{ lb/day (for sample on 6/19/07)}$$

$$\text{MER limit (lbs/day)} = 8.34(0.10)(1218.876)(2/24) = 84.71 \text{ lb/day (for sample on 6/26/07)}$$

Tide

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Sun

Tide

Tides for San Clemente starting with June 1, 2007.

Day		High /Low	Tide Time	Height Feet	Sunrise Sunset	Moon Time	% Moon Visible
F	1	Low	4:22 AM	-0.7	5:42 AM	Set 5:48 AM	99
	1	High	10:49 AM	3.3	7:55 PM	Rise 9:07 PM	
	1	Low	3:10 PM	2.2			
	1	High	9:29 PM	5.8			
Sa	2	Low	5:00 AM	-0.7	5:41 AM	Set 6:40 AM	99
	2	High	11:32 AM	3.3	7:56 PM	Rise 10:00 PM	
	2	Low	3:42 PM	2.3			
	2	High	10:03 PM	5.7			
Su	3	Low	5:41 AM	-0.6	5:41 AM	Set 7:40 AM	96
	3	High	12:19 PM	3.2	7:56 PM	Rise 10:48 PM	
	3	Low	4:18 PM	2.5			
	3	High	10:41 PM	5.6			
M	4	Low	6:25 AM	-0.6	5:41 AM	Set 8:43 AM	91
	4	High	1:11 PM	3.2	7:57 PM	Rise 11:28 PM	
	4	Low	5:04 PM	2.6			
	4	High	11:24 PM	5.3			
Tu	5	Low	7:11 AM	-0.4	5:41 AM	Set 9:49 AM	85
	5	High	2:06 PM	3.4	7:57 PM		
	5	Low	6:09 PM	2.7			
W	6	High	12:15 AM	5.0	5:41 AM	Rise 12:04 AM	76
	6	Low	8:00 AM	-0.2	7:58 PM	Set 10:55 AM	
	6	High	2:59 PM	3.6			
	6	Low	7:39 PM	2.7			
Th	7	High	1:20 AM	4.5	5:40 AM	Rise 12:35 AM	67
	7	Low	8:50 AM	0.1	7:58 PM	Set 12:00 PM	
	7	High	3:48 PM	4.0			
	7	Low	9:18 PM	2.4			
F	8	High	2:42 AM	4.0	5:40 AM	Rise 1:05 AM	56
	8	Low	9:40 AM	0.4	7:59 PM	Set 1:06 PM	
	8	High	4:32 PM	4.5			
	8	Low	10:47 PM	1.8			
Sa	9	High	4:13 AM	3.6	5:40 AM	Rise 1:33 AM	45
	9	Low	10:31 AM	0.7	7:59 PM	Set 2:13 PM	
	9	High	5:14 PM	5.1			
Su	10	Low	12:00 AM	1.0	5:40 AM	Rise 2:03 AM	33
	10	High	5:41 AM	3.4	8:00 PM	Set 3:21 PM	
	10	Low	11:20 AM	1.1			
	10	High	5:56 PM	5.6			

M	11	Low	1:00 AM	0.1	5:40 AM	Rise	2:36 AM	23
	11	High	6:58 AM	3.4	8:00 PM	Set	4:33 PM	
	11	Low	12:05 PM	1.4				
	11	High	6:38 PM	6.1				
Tu	12	Low	1:53 AM	-0.6	5:40 AM	Rise	3:13 AM	14
	12	High	6:06 AM	3.5	8:00 PM	Set	5:47 PM	
	12	Low	12:58 PM	1.7				
	12	High	7:21 PM	6.5				
W	13	Low	2:42 AM	-1.2	5:40 AM	Rise	3:58 AM	6
	13	High	9:04 AM	3.6	8:01 PM	Set	7:01 PM	
	13	Low	1:46 PM	1.8				
	13	High	8:06 PM	6.7				
Th	14	Low	3:30 AM	-1.5	5:40 AM	Rise	4:51 AM	2
	14	High	9:58 AM	3.7	8:01 PM	Set	8:11 PM	
	14	Low	2:34 PM	1.9				
	14	High	8:51 PM	6.8				

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Tides for San Clemente starting with June 15, 2007.

Day	High / Low	Tide Time	Height Feet	Sunrise / Sunset	Moon Rise / Set	Time	% Moon Visible
F	Low	4:16 AM	-1.6	5:40 AM	Rise	5:53 AM	0
	High	10:48 AM	3.7	8:02 PM	Set	9:12 PM	
	Low	3:22 PM	2.0				
	High	9:36 PM	6.6				
Sa	Low	5:02 AM	-1.5	5:40 AM	Rise	7:00 AM	0
	High	11:37 AM	3.7	8:02 PM	Set	10:04 PM	
	Low	4:11 PM	2.1				
	High	10:22 PM	6.3				
Su	Low	5:48 AM	-1.2	5:40 AM	Rise	8:09 AM	4
	High	12:26 PM	3.7	8:02 PM	Set	10:45 PM	
	Low	5:02 PM	2.2				
	High	11:08 PM	5.9				
M	Low	6:33 AM	-0.7	5:41 AM	Rise	9:16 AM	9
	High	1:15 PM	3.8	8:03 PM	Set	11:19 PM	
	Low	5:58 PM	2.4				
	High	11:55 PM	5.3				
Tu	Low	7:17 AM	-0.3	5:41 AM	Rise	10:19 AM	16
	High	2:06 PM	3.8	8:03 PM	Set	11:48 PM	
	Low	7:02 PM	2.5				
W	High	12:46 AM	4.7	5:41 AM	Rise	11:18 AM	25
	Low	8:01 AM	0.2	8:03 PM			
	High	2:57 PM	4.0				
	Low	8:19 PM	2.5				
Th	High	1:43 AM	4.0	5:41 AM	Set	12:14 AM	34
	Low	8:44 AM	0.6	8:03 PM	Rise	12:15 PM	
	High	3:45 PM	4.1				
	Low	9:46 PM	2.3				
F	High	2:54 AM	3.4	5:41 AM	Set	12:38 AM	44
	Low	9:27 AM	1.1	8:03 PM	Rise	1:10 PM	
	High	4:28 PM	4.3				
	Low	11:12 PM	1.8				
Sa	High	4:21 AM	3.0	5:42 AM	Set	1:02 AM	53
	Low	10:10 AM	1.6	8:04 PM	Rise	2:05 PM	
	High	5:08 PM	4.6				
Su	Low	12:20 AM	1.4	5:42 AM	Set	1:26 AM	63
	High	5:53 AM	2.9	8:04 PM	Rise	3:01 PM	
	Low	10:55 AM	1.9				
	High	5:44 PM	4.9				

M	23	Low	1:10 AM	0.8	5:42 AM	Set	1:53 AM	71
	23	High	7:12 AM	2.9	8:04 PM	Rise	3:58 PM	
	23	Low	11:40 AM	2.1				
	23	High	6:20 PM	5.2				
Tu	26	Low	1:50 AM	0.4	5:42 AM	Set	2:24 AM	80
	26	High	8:11 AM	3.0	8:04 PM	Rise	4:58 PM	
	26	Low	12:25 PM	2.3				
	26	High	6:33 PM	5.4				
W	27	Low	2:26 AM	-0.1	5:43 AM	Set	2:59 AM	87
	27	High	8:55 AM	3.2	8:04 PM	Rise	5:58 PM	
	27	Low	1:08 PM	2.4				
	27	High	7:31 PM	5.6				
Th	28	Low	3:01 AM	-0.5	5:43 AM	Set	3:42 AM	92
	28	High	9:31 AM	3.3	8:04 PM	Rise	6:57 PM	
	28	Low	1:48 PM	2.4				
	28	High	8:07 PM	5.9				

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Tides for San Clemente starting with June 29, 2007.

Day	High /Low	Tide Time	Height Feet	Sunrise Sunset	Moon	Time	% Moon Visible
F 29	Low	3:35 AM	-0.6	5:44 AM	Set	4:32 AM	97
	High	10:05 AM	3.5	8:04 PM	Rise	7:53 PM	
	Low	2:27 PM	2.3				
	High	8:44 PM	6.1				
Sa 30	Low	4:10 AM	-0.8	5:44 AM	Set	5:30 AM	99
	High	10:40 AM	3.5	8:04 PM	Rise	8:44 PM	
	Low	3:05 PM	2.3				
	High	9:21 PM	6.2				

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July 27, 2007

Mr. John Robertus
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Ct. Suite 100
San Diego, California 92123
IC: 13-0086.01

SUBJECT: NPDES June 2007 Discharge Monitoring Report
San Onofre Nuclear Generating Station, Unit 2

Dear Mr. Robertus:

SCE submits the subject report in accordance with the requirements of Order No. R9-2005-0005 (NPDES Permit No. CA0108073). All sampled water sources were found to be within permit limits with the following exception.

On 6/13/07, a sample obtained on the Unit 1 Sewage Treatment Plant effluent indicated a pH of 4.34. This is below the low limit pH level of 6.0 required in the Unit 2 NPDES Permit. The suspected cause of the low pH event was decanted water from the non-operating south side of the plant discharging from the plant to the Unit 2 outfall during a regularly scheduled wasting event from the north side of the plant which was in operation at the time. During a wasting operation, the operating plant is not discharging. So with a decant on the non-operating side occurring at the same time, most or all of the water being discharged during the time of sampling came from the non-operating south side which would have been below a pH of 6.0 or less. A sample obtained on 6/22/07 later showed that the Unit 1 Sewage Treatment Plant was verified to be within limits at 6.95. A review of the operating conditions and records show that the pH of the plant was below 6.0 for about ten minutes.

To prevent reoccurrence, the following action has been taken. A submersible pump has been installed that directs all clear decant from the South Train to the North Train clarifier where it is blended and pH adjusted prior to discharge. This should prevent this event from occurring again in the future.

Pursuant to Order No. R9-2005-0005, State and Federal Standard Provisions, Section E, 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,

A handwritten signature in black ink, appearing to read 'H. W. Newton', written over a horizontal line.

H. W. Newton
Manager, Site Support Services

Enclosure

cc: Environmental Protection Agency, Region IX
State Water Resources Control Board

bcc: J. Reilly
H. W. Newton/M. J. Johnson - w/o enclosure
D. Kay
M. Hunter - w/o enclosure
C. Williams
CDM Files
IDB - NPDES/R. K. Heckler

Facility : Songs Unit 2 Exact Sample Point : Intake and
 Order No : R9-2005-0005 Discharge Conduits
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due: Aug 01, 2007 Signed : *[Signature]*
 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	Daily Max Difference
	Avg	Avg	Max		
6-1-07	81	61	62	20	21
6-2-07	81	61	62	20	21
6-3-07	82	62	63	20	21
6-4-07	82	62	62	20	20
6-5-07	82	62	63	20	21
6-6-07	83	63	63	20	24
6-7-07	83	63	64	20	21
6-8-07	84	64	65	20	20
6-9-07	85	65	66	20	20
6-10-07	85	65	66	20	20
6-11-07	86	66	67	20	20
6-12-07	86	69	86	16	20
6-13-07	85	66	66	20	20
6-14-07	85	65	66	20	20
6-15-07	85	66	67	19	20
6-16-07	69	67	67	2	9
6-17-07	69	66	68	3	6
6-18-07	79	66	68	13	20
6-19-07	87	67	67	20	20
6-20-07	83	63	64	20	20
6-21-07	64	63	65	1	1
6-22-07	65	64	64	1	1
6-23-07	65	64	64	1	1
6-24-07	65	64	64	1	1
6-25-07	65	64	64	1	1
6-26-07	65	64	64	1	1
6-27-07	65	64	64	1	1
6-28-07	65	64	64	1	1
6-29-07	76	64	64	12	19
6-30-07	89	65	66	25	56 *
Avg	77	64	66	13	15
Reqt	--	--	--	25	25

* Heat Treatment Occured : Jun 30, 2007

Facility : Songs Unit 2 Exact Sample Point : Intake and Screenwell
 Order No : R9-2005-0005
 Report Freq : Monthly Collected By : Instrumentation
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *[Signature]*
 Report Topic : Intake Conduit and Screenwell Heat Treatment Title : Environmental Engineer

Intake and Screenwell Heat Treatment Occured This Month.

PARAMETER	UNITS	REQUIREMENT	RESULT
Date/Time Treatment Began	--	--	6/30/2007 08:50 pm
Date/Time Treatment Ended	--	--	6/30/2007 10:15 pm
Total Time of Treatment	hours	--	1.42
Maximum Screenwell Temperature Attained (Screenwell Target Temperature)	degr F	* 100	101
Screenwell Target Temp Duration	hours	* 2.1	1.4

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)

Facility : Songs Unit 2 Exact Sample Point : Intake and Screenwell
 Order No : R9-2005-0005
 Report Freq : Monthly Collected By : Instrumentation
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *Robert Hoffer*
 Report Topic : Intake Conduit and Screenwell Heat Treatment Title : Environmental Engineer

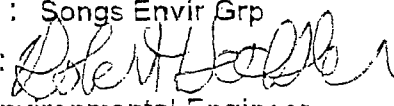
Intake and Screenwell Heat Treatment Occured This Month.

PARAMETER	UNITS	REQUIREMENT	RESULT
Maximum Intake Conduit Temperature Attained (Intake Conduit Target Temperature)	degr F	125	123
Screenwell Target Temp Duration	hours	* 2.1	1.4

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)

Facility :	Songs Unit 2	Exact Sample Point :	Discharge Conduit
Order No :	R9-2005-0005		
Report Freq :	Monthly	Collected By :	Instrumentation
Report For :	June 2007	Analyzed By :	Songs Envir Grp
Report Due :	Aug 01, 2007	Signed :	
Report Topic :	Discharge Conduit Heat Treatment	Title :	Environmental Engineer

Discharge and Screenwell Heat Treatment Occured This Month.

PARAMETER	UNITS	REQUIREMENT	RESULT
Date/Time Treatment Began	--	--	04:15 pm 6/30/2007
Date/Time Treatment Ended	--	--	04:40 pm 6/30/2007
Total Time of Treatment	hours	--	0.42
Maximum Discharge Conduit Temperature Attained (Discharge Conduit Target Temperature)	degr F	* 105	103

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)

Facility : Songs Unit 2
 Order No : R9-2005-0005
 Report Freq : Monthly
 Report For : June 2007
 Report Due : Aug 01, 2007
 Waste Stream : Combined Discharge
 Low Volume Waste

Exact Sample Point : Points of Discharge

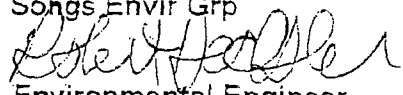
Collected By : Songs Envir Grp
 Analyzed By : Songs Envir Grp

Signed : 
 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	In Plant Waste
1	1,218.799	1,218.586	0.169	0.044	0.213
2	1,218.980	1,218.586	0.379	0.015	0.394
3	1,218.746	1,218.586	0.154	0.006	0.160
4	1,218.919	1,218.586	0.314	0.019	0.333
5	1,218.888	1,218.586	0.250	0.052	0.302
6	1,218.837	1,218.586	0.210	0.041	0.251
7	1,218.820	1,218.586	0.213	0.021	0.234
8	1,218.843	1,218.586	0.227	0.030	0.257
9	1,218.836	1,218.586	0.120	0.130	0.250
10	1,218.937	1,218.586	0.343	0.008	0.351
11	1,218.817	1,218.586	0.211	0.020	0.231
12	1,218.740	1,218.586	0.120	0.034	0.154
13	1,218.742	1,218.586	0.120	0.036	0.156
14	1,218.941	1,218.586	0.326	0.029	0.355
15	1,218.844	1,218.586	0.206	0.052	0.258
16	1,218.806	1,218.586	0.204	0.016	0.220
17	1,219.046	1,218.586	0.442	0.018	0.460
18	1,218.929	1,218.586	0.310	0.033	0.343
19	1,218.884	1,218.586	0.270	0.028	0.298
20	1,218.852	1,218.586	0.241	0.025	0.266
21	1,218.929	1,218.586	0.307	0.036	0.343
22	1,219.070	1,218.586	0.442	0.042	0.484
23	1,218.842	1,218.586	0.237	0.019	0.256
24	1,218.828	1,218.586	0.234	0.008	0.242
25	1,218.838	1,218.586	0.222	0.030	0.252
26	1,218.894	1,218.586	0.282	0.026	0.308
27	1,219.036	1,218.586	0.407	0.043	0.450
28	1,218.896	1,218.586	0.270	0.040	0.310
29	1,218.870	1,218.586	0.245	0.039	0.284
30	1,218.792	1,218.586	0.190	0.016	0.206
Avg	1,218.873	1,218.586	0.256	0.032	0.287
Reqt	1286.900		11.610	0.145	

Facility : Songs Unit 2
 Order No : R9-2005-0005
 Report Freq : Monthly
 Report For : June 2007
 Report Due : Aug 01, 2007
 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	6/13/2007 10:40 am
Turbidity	NTU	GRAB	--	--	2.5	6/13/2007 10:40 am

Facility : Songs Unit 2 Exact Sample Point : Point of
 Order No : R9-2005-0005 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *[Signature]*
 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	--	--	1.5	6/13/07 10:42 am
pH	--	GRAB	--	6 - 9	8.2	6/13/07 10:42 am
Hydrazine	ug/l	GRAB	Inst Max	--	< 4.0	6/16/07
	lbs/day			--	< 40.7	06:25 am
Total Chlorine Residual	ug/l	GRAB	Inst Max	200	100.0	6/07/07
	lbs/day			2100	42.4	10:40 am
Total Chlorine Residual	ug/l	GRAB	Daily Max	88	8	6/07/07
	lbs/day			940	3.4	10:40 am
	ug/l	GRAB	6-MO Median	22	1	6/07/07 10:40 am

Facility : Songs Unit 2 Exact Sample Point : Point of
 Order No : R9-2005-0005 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *Robert J. Walker*
 Waste Stream : Hotwell Overboard 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	30-Day Avg	30	0.4	6/16/2007
	lbs/day			21.00	0.06	05:30 am
Total Suspended Solids	mg/l	GRAB	Daily Max	100	0.4	6/16/2007
	lbs/day			70.00	0.28	05:30 am
Grease and Oil	mg/l	GRAB	30-Day Avg	15	1.9	6/16/2007
	lbs/day			10.50	0.26	05:30 am
Grease and Oil	mg/l	GRAB	Daily Max	20	1.9	6/16/2007
	lbs/day			14.00	1.3	05:30 am

Facility : Songs Unit 2 Exact Sample Point : Point of Discharge
 Order No : R9-2005-0005
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *Robert Walker*
 Waste Stream : Steam Generator Title : Environmental Engineer
 Blowdown (Low Volume Waste)

Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
Total Suspended Solids	mg/l	GRAB	30-Day Avg	30	*	*
	lbs/day			0.00	*	*
Grease and Oil	mg/l	GRAB	Daily Max	100	*	*
	lbs/day			0.00	*	*
Grease and Oil	mg/l	GRAB	30-Day Avg	15	*	*
	lbs/day			0.00	*	*
Grease and Oil	mg/l	GRAB	Daily Max	20	*	*
	lbs/day			0.00	*	*

* NO FLOW IN JUNE 2007

Facility : Songs Unit 2 Exact Sample Point : Point of Discharge
 Order No : R9-2005-0005
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *[Signature]*
 Waste Stream : Blowdown Processing 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	30-Day Avg	30	*	*
	lbs/day			0.00		
Grease and Oil	mg/l	GRAB	Daily Max	100	*	*
	lbs/day			0.00		
Grease and Oil	mg/l	GRAB	30-Day Avg	15	*	*
	lbs/day			0.00		
Grease and Oil	mg/l	GRAB	Daily Max	20	*	*
	lbs/day			0.00		

* NO FLOW IN JUNE 2007

Facility : Songs Unit 2 Exact Sample Point : Point of Discharge
 Order No : R9-2005-0005
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *[Signature]*
 Waste Stream : Polishing Demineralizer Title : Environmental Engineer
 System (Low Volume Waste)

Parameter	Units	Sample Type	Req't Type	Req't Value	Result Value	Date & Time Collected
Total Suspended Solids	mg/l	GRAB	30-Day Avg	30	< 0.4	6/5/2007
	lbs/day			26.00	< 0.16	10:55 am
Total Suspended Solids	mg/l	GRAB	Daily Max	100	< 0.4	6/5/2007
	lbs/day			89.14	< 0.35	12:20 pm
Grease and Oil	mg/l	GRAB	30-Day Avg	15	< 1.8	6/5/2007
	lbs/day			13.37	< 0.72	09:35 am
Grease and Oil	mg/l	GRAB	Daily Max	20	< 1.8	6/5/2007
	lbs/day			17.09	< 1.56	09:35 am

Facility : Songs Unit 2 Exact Sample Point : Point of Discharge
 Order No : R9-2005-0005
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *[Signature]*
 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	30-Day Avg	30	*	*
	lbs/day			0.00		
Grease and Oil	mg/l	GRAB	Daily Max	100	*	*
	lbs/day			0.00		
Grease and Oil	mg/l	GRAB	30-Day Avg	15	*	*
	lbs/day			0.00		
Grease and Oil	mg/l	GRAB	Daily Max	20	*	*
	lbs/day			0.00		

* DISCHARGED TO UNIT 3 OUTFALL

Facility : Songs Unit 2 Exact Sample Point : Point of
 Order No : R9-2005-0005 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *[Signature]*
 Waste Stream : Intake Structure Title : Environmental Engineer
 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	30-Day Avg	30	< 0.4	6/13/2007
	lbs/day			17.50	< 0.23	08:39 am
Total Suspended Solids	mg/lbs/day	GRAB	Daily Max	100	< 0.4	6/13/2007
	lbs/day			58.33	< 0.23	08:39 am
Grease and Oil	mg/l	GRAB	30-Day Avg	15	< 1.8	6/13/2007
	lbs/day			8.75	< 1.05	08:52 am
Grease and Oil	mg/l	GRAB	Daily Max	20	< 1.8	6/13/2007
	lbs/day			11.67	< 1.05	08:52 am

Facility : Songs Unit 2 Exact Sample Point : Point of
 Order No : R9-2005-0005 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *[Signature]*
 Waste Stream : Plant Drains 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	30-Day Avg	30	7.9	6/20/2007
	lbs/day			12.50	3.29	06:40 am
Solids	mg/l	GRAB	Daily Max	100	7.9	6/20/2007
	lbs/day			41.88	3.29	06:40 am
Grease and Oil	mg/l	GRAB	30-Day Avg	15	6.5	6/20/2007
	lbs/day			6.25	2.71	06:40 am
	mg/l	GRAB	Daily Max	20	6.5	6/20/2007
	lbs/day			8.13	2.71	06:40 am

Facility : Songs Unit 2 Exact Sample Point : Point of
 Order No : R9-2005-0005 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *[Signature]*
 Waste Stream : Concrete Cutting Water 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	30-Day Avg	30	*	*
	lbs/day			0.00		
Total Suspended Solids	mg/l	GRAB	Daily Max	100	*	*
	lbs/day			0.00		
Grease and Oil	mg/l	GRAB	30-Day Avg	15	*	*
	lbs/day			0.00		
Grease and Oil	mg/l	GRAB	Daily Max	20	*	*
	lbs/day			0.00		

* NO FLOW IN JUNE 2007

Facility : Songs Unit 2 Exact Sample Point : Point of Discharge
 Order No : R9-2005-0005
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *[Signature]*
 Waste Stream : Unit 1 Radwaste 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	30-Day Avg	30	*	*
	lbs/day			0.00		
Grease and Oil	mg/l	GRAB	Daily Max	100	*	*
	lbs/day			0.00		
Total Suspended Solids	mg/l	GRAB	30-Day Avg	15	*	*
	lbs/day			0.00		
Grease and Oil	mg/l	GRAB	Daily Max	20	*	*
	lbs/day			0.00		

* NO FLOW IN JUNE 2007

Facility : Songs Unit 2 Exact Sample Point : Point of
 Order No : R9-2005-0005 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Envir Grp
 Report Due : Aug 01, 2007 Signed : *Robert Walker*
 Waste Stream : Unit 1 Yards Drains 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	30-Day Avg	30	< 0.4	6/1/2007
	lbs/day			0.25	< 0.01	08:20 am
Total Suspended Solids	mg/l	GRAB	Daily Max	100	< 0.4	6/1/2007
	lbs/day			0.83	< 0.01	08:20 am
Grease and Oil	mg/l	GRAB	30-Day Avg	15	< 1.8	6/1/2007
	lbs/day			0.13	< 0.01	08:20 am
Grease and Oil	mg/l	GRAB	Daily Max	20	< 1.8	6/1/2007
	lbs/day			0.16	< 0.02	08:20 am

Facility :	Songs Unit 2	Exact Sample Point :	Point of Discharge
Order No :	R9-2005-0005		
Report Freq :	Monthly	Collected By :	Songs Envir Grp
Report For :	June 2007	Analyzed By :	Songs Envir Grp
Report Due :	Aug 01, 2007	Signed :	<i>[Signature]</i>
Waste Stream :	Unit 1 Dewatering (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	30-Day Avg	30	< 0.4	6/1/2007
	lbs/day			852.27	< 10.32	08:25 am
Total Suspended Solids	mg/l	GRAB	Daily Max	100	< 0.4	6/1/2007
	lbs/day			2810.67	< 11.34	08:25 am
Grease and Oil	mg/l	GRAB	30-Day Avg	15	< 1.8	6/1/2007
	lbs/day			426.13	< 46.44	08:25 am
Grease and Oil	mg/l	GRAB	Daily Max	20	< 1.8	6/1/2007
	lbs/day			571.20	< 51.04	08:25 am

Facility : Songs Unit 2 Exact Sample Point : Point of
 Order No : R9-2005-0005 Discharge
 Report Freq : Monthly Collected By : Songs Envir Grp
 Report For : June 2007 Analyzed By : Songs Chemistry
 Report Due : Aug 01, 2007 Signed : *[Signature]*
 Waste Stream : Sewage Treatment Title : Environmental Engineer

Units		Sample Type	Date/Time of Sample	Inst Max Sample Value	Req't Value	30-Day Avg Sample Value	Req Value
Sewage - - Unit I							
Inf T.S.S	mg/l lbs/day	GRAB	14:59 6/13/2007	534.0 160.3	-- --	534.0 142.5	-- --
EFF G&O	mg/l lbs/day	GRAB	14:48 6/13/2007	2.4 0.72	75 63	2.4 0.64	25 21
EFF T.S.S	mg/l lbs/day	GRAB	14:45 6/13/2007	17.0 5.1	133.5 40.1	17 4.5	133.5 35.6
Sett. Solids	ml/l	GRAB	14:45 6/13/2007	< 0.1	3.0	< 0.1	1.0
pH	Units	GRAB	14:45 6/13/2007	4.3	6.0 - 9.0	4.3	6.0 - 9.0
Turbidity	NTU	GRAB	14:45 6/13/2007	4.7	225	4.7	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