

**LAUNCH OPERATIONS AND SUPPORT  
CONTRACT (LO&SC)**

**WASTE WATER DISCHARGE MONITORING  
REPORT (CDRL)  
(JUL-DEC 03)**

Contract Number: F04684-98-C-0014  
CDRL Item Number: A013  
Date Submitted: 12 JANUARY 2004

**Revision 0**

Copy Number 1 of 2

***MCA*** ***Engineers, Inc.***  
***Government Services Division***

South Vandenberg Power Plant  
Waste Water Discharge Monitoring Report (AO13)  
Month of July 2003

Date	Washdown Sump # 1			Washdown Sump # 2			Total Daily Discharge
	Meter Reading	Discharge	*PH Reading	Meter Reading	Discharge	*PH Reading	
1-Jul-03	8079540	0		17030388	0		0
2-Jul-03	8080848	1308		17030488	100		1408
3-Jul-03	8081660	812		17030488	0		812
4-Jul-03	8081660	0		17030488	0		0
5-Jul-03	8081660	0		17030488	0		0
6-Jul-03	8081660	0		17030488	0		0
7-Jul-03	8084526	2866		17030488	0		2866
8-Jul-03	8084526	0		17030488	0		0
9-Jul-03	8086159	1633		17030488	0		1633
10-Jul-03	8086650	491		17038658	8170		8661
11-Jul-03	8087482	832		17038658	0		832
12-Jul-03	8087482	0		17038658	0		0
13-Jul-03	8087482	0		17038658	0		0
14-Jul-03	8088149	667		17038806	148		815
15-Jul-03	8088914	765		17038806	0		765
16-Jul-03	8089786	872		17038806	0		872
17-Jul-03	8089786	0		17038806	0		0
18-Jul-03	8091424	1638		17038806	0		1638
19-Jul-03	8091424	0		17038806	0		0
20-Jul-03	8091424	0		17038806	0		0
21-Jul-03	8093441	2017		17039959	1153		3170
22-Jul-03	8093849	408		17040522	563		971
23-Jul-03	8094674	825		17040522	0		825
24-Jul-03	8096347	1673		17040522	0		1673
25-Jul-03	8098093	1746		17040522	0		1746
26-Jul-03	8098093	0		17040522	0		0
27-Jul-03	8098093	0		17040522	0		0
28-Jul-03	8103346	5253		17040522	0		5253
29-Jul-03	8104976	1630		17040522	0		1630
30-Jul-03	8106670	1694		17040522	0		1694
31-Jul-03	8114449	7779		17040522	0		7779

Total Discharge Sump #1	34909	Average PH Level Sump #1	0.0
Total Discharge Sump #2	10134	Average PH Level Sump #2	0.0

Total Monthly Discharge                      45043

Freeboard Level  
Week # 1      48"  
Week # 2      48"  
Week # 3      48"  
Week # 4      48"  
Week # 5      48"

\*NOTE: pH readings performed by another contractor.

South Vandenberg Power Plant  
Waste Water Discharge Monitoring Report  
Month of August 2003

Date	<u>Washdown Sump # 1</u>			<u>Washdown Sump # 2</u>			Total Daily Discharge
	Meter Reading	Discharge	PH Reading	Meter Reading	Discharge	PH Reading	
1-Aug-03	8115868	1419		17040522	0		1419
2-Aug-03	8117441	1573		17040522	0		1573
3-Aug-03	8117441	0		17040522	0		0
4-Aug-03	8120924	3483		17040522	0		3483
5-Aug-03	8122354	1430		17040522	0		1430
6-Aug-03	8123947	1593		17040522	0		1593
7-Aug-03	8125688	1741		17044577	4055		5796
8-Aug-03	8127247	1559		17045028	451		2010
9-Aug-03	8127247	0		17045028	0		0
10-Aug-03	8127247	0		17045028	0		0
11-Aug-03	8133689	6442		17045028	0		6442
12-Aug-03	8135385	1696		17045028	0		1696
13-Aug-03	8137062	1677		17045028	0		1677
14-Aug-03	8138677	1615		17045028	0		1615
15-Aug-03	8140587	1910		17045028	0		1910
16-Aug-03	8140587	0		17045028	0		0
17-Aug-03	8140587	0		17045028	0		0
18-Aug-03	8146824	6237		17050242	5214		11451
19-Aug-03	8148598	1774		17051877	1635		3409
20-Aug-03	8150874	2276		17051877	0		2276
21-Aug-03	8153269	2395		17051877	0		2395
22-Aug-03	8155252	1983		17051877	0		1983
23-Aug-03	8155252	0		17051877	0		0
24-Aug-03	8155252	0		17051877	0		0
25-Aug-03	8162467	7215		17051877	0		7215
26-Aug-03	8164557	2090		17051877	0		2090
27-Aug-03	8166432	1875		17051877	0		1875
28-Aug-03	8168663	2231		17057685	5808		8039
29-Aug-03	8170710	2047		17057685	0		2047
30-Aug-03	8170710	0		17057685	0		0
31-Aug-03	8170710	0		17057685	0		0

Total Discharge Sump #1	56261	Average PH Level Sump #1	0.0
Total Discharge Sump #2	17163	Average PH Level Sump #2	0.0

Total Monthly Discharge                      73424

Freeboard Level  
Week # 1      48"  
Week # 2      48"  
Week # 3      48"  
Week # 4      48"  
Week # 5      48"

South Vandenberg Power Plant  
Waste Water Discharge Monitoring Report (AO13)  
Month of September 2003

Date	Washdown Sump # 1			Washdown Sump # 2			Total Daily Discharge
	Meter Reading	Discharge	PH Reading	Meter Reading	Discharge	PH Reading	
1-Sep-03	8170710	0		17057685	0		0
2-Sep-03	8179210	8500		17063549	5864		14364
3-Sep-03	8180928	1718		17064380	831		2549
4-Sep-03	8183630	2702		17066109	1729		4431
5-Sep-03	8184799	1169		17066109	0		1169
6-Sep-03	8184799	0		17066109	0		0
7-Sep-03	8184799	0		17066109	0		0
8-Sep-03	8190290	5491		17066109	0		5491
9-Sep-03	8192399	2109		17066109	0		2109
10-Sep-03	8193876	1477		17066109	0		1477
11-Sep-03	8196142	2266		17066109	0		2266
12-Sep-03	8197842	1700		17067149	1040		2740
13-Sep-03	8197842	0		17067149	0		0
14-Sep-03	8197842	0		17067149	0		0
15-Sep-03	8203446	5604		17067149	0		5604
16-Sep-03	8205551	2105		17067149	0		2105
17-Sep-03	8207190	1639		17067149	0		1639
18-Sep-03	8209140	1950		17067149	0		1950
19-Sep-03	8211181	2041		17069341	2192		4233
20-Sep-03	8211181	0		17069341	0		0
21-Sep-03	8211181	0		17069341	0		0
22-Sep-03	8216710	5529		17072849	3508		9037
23-Sep-03	8218648	1938		17073221	372		2310
24-Sep-03	8220538	1890		17077030	3809		5699
25-Sep-03	8222625	2087		17077278	248		2335
26-Sep-03	8224696	2071		17077278	0		2071
27-Sep-03	8224696	0		17077278	0		0
28-Sep-03	8224696	0		17077278	0		0
29-Sep-03	8230215	5519		17077278	0		5519
30-Sep-03	8231878	1663		17077278	0		1663

Total Discharge Sump #1	61168	Average PH Level Sump #1	0.0
Total Discharge Sump #2	19593	Average PH Level Sump #2	0.0

Total Monthly Discharge                      80761

Freeboard Level

Week # 1	48"
Week # 2	48"
Week # 3	48"
Week # 4	48"
Week # 5	48"

South Vandenberg Power Plant  
Waste Water Discharge Monitoring Report (AO13)  
Month of October 2003

Date	Washdown Sump # 1			Washdown Sump # 2			Total Daily Discharge
	Meter Reading	Discharge	PH Reading	Meter Reading	Discharge	PH Reading	
1-Oct-03	8233048	1170		17077278	0		1170
2-Oct-03	8234771	1723		17077278	0		1723
3-Oct-03	8236533	1762		17082365	5087		6849
4-Oct-03	8236533	0		17082365	0		0
5-Oct-03	8236533	0		17082365	0		0
6-Oct-03	8242731	6198		17088334	5969		12167
7-Oct-03	8244525	1794		17088334	0		1794
8-Oct-03	8246357	1832		17088334	0		1832
9-Oct-03	8248044	1687		17088334	0		1687
10-Oct-03	8249558	1514		17094679	6345		7859
11-Oct-03	8249558	0		17094679	0		0
12-Oct-03	8249558	0		17094679	0		0
13-Oct-03	8249558	0		17094679	0		0
14-Oct-03	8256958	7400		17094679	0		7400
15-Oct-03	8258362	1404		17099474	4795		6199
16-Oct-03	8260087	1725		17112457	12983		14708
17-Oct-03	8261878	1791		17112457	0		1791
18-Oct-03	8261878	0		17112457	0		0
19-Oct-03	8261878	0		17112457	0		0
20-Oct-03	8267356	5478		17112457	0		5478
21-Oct-03	8268977	1621		17112457	0		1621
22-Oct-03	8270558	1581		17112457	0		1581
23-Oct-03	8272068	1510		17129841	17384		18894
24-Oct-03	8274085	2017		17138220	8379		10396
25-Oct-03	8274085	0		17138220	0		0
26-Oct-03	8274085	0		17138220	0		0
27-Oct-03	8279874	5789		17138220	0		5789
28-Oct-03	8281568	1694		17138220	0		1694
29-Oct-03	8283362	1794		17147114	8894		10688
30-Oct-03	8285002	1640		17157635	10521		12161
31-Oct-03	8286475	1473		17167444	9809		11282

Total Discharge Sump #1	54597	Average PH Level Sump #1	0.0
Total Discharge Sump #2	90166	Average PH Level Sump #2	0.0

Total Monthly Discharge 144763

Freeboard Level  
Week # 1 48"  
Week # 2 48"  
Week # 3 48"  
Week # 4 48"  
Week # 5 48"

South Vandenberg Power Plant  
Waste Water Discharge Monitoring Report (AO13)  
Month of November 2003

Date	Washdown Sump # 1			Washdown Sump # 2			Total Daily Discharge
	Meter Reading	Discharge	PH Reading	Meter Reading	Discharge	PH Reading	
1-Nov-03	8286475	0		17167444	0		0
2-Nov-03	8286475	0		17167444	0		0
3-Nov-03	8290146	3671		17167444	0		3671
4-Nov-03	8291286	1140		17167444	0		1140
5-Nov-03	8292534	1248		17167444	0		1248
6-Nov-03	8293783	1249		17168557	1113		2362
7-Nov-03	8294932	1149		17176021	7464		8613
8-Nov-03	8294932	0		17176021	0		0
9-Nov-03	8294932	0		17176021	0		0
10-Nov-03	8298864	3932		17176562	541		4473
11-Nov-03	8298864	0		17176562	0		0
12-Nov-03	8301561	2697		17176562	0		2697
13-Nov-03	8302983	1422		17176562	0		1422
14-Nov-03	8304456	1473		17178048	1486		2959
15-Nov-03	8304456	0		17178048	0		0
16-Nov-03	8304456	0		17178048	0		0
17-Nov-03	8308250	3794		17178048	0		3794
18-Nov-03	8308250	0		17178048	0		0
19-Nov-03	8310719	2469		17187328	9280		11749
20-Nov-03	8312154	1435		17197204	9876		11311
21-Nov-03	8313799	1645		17209685	12481		14126
22-Nov-03	8314895	1096		17218647	8962		10058
23-Nov-03	8316278	1383		17231474	12827		14210
24-Nov-03	8317832	1554		17241537	10063		11617
25-Nov-03	8318858	1026		17245350	3813		4839
26-Nov-03	8320016	1158		17256530	11180		12338
27-Nov-03	8321688	1672		17263323	6793		8465
28-Nov-03	8322862	1174		17275298	11975		13149
29-Nov-03	8323914	1052		17284756	9458		10510
30-Nov-03	8325047	1133		17298762	14006		15139

Total Discharge Sump #1	38572	Average PH Level Sump #1	0.0
Total Discharge Sump #2	131318	Average PH Level Sump #2	0.0

Total Monthly Discharge 169890

Freeboard Level  
Week # 1 48"  
Week # 2 48"  
Week # 3 48"  
Week # 4 48"  
Week # 5 48"

South Vandenberg Power Plant  
Waste Water Discharge Monitoring Report (AO13)  
Month of December 2003

Date	Washdown Sump # 1			Washdown Sump # 2			Total Daily Discharge
	Meter Reading	Discharge	PH Reading	Meter Reading	Discharge	PH Reading	
1-Dec-03	8326427	1380		17313391	14629		16009
2-Dec-03	8327806	1379		17322131	8740		10119
3-Dec-03	8329655	1849		17323164	1033		2882
4-Dec-03	8331318	1663		17325286	2122		3785
5-Dec-03	8332368	1050		17325286	0		1050
6-Dec-03	8332368	0		17325286	0		0
7-Dec-03	8332368	0		17325286	0		0
8-Dec-03	8336640	4272		17326505	1219		5491
9-Dec-03	8338122	1482		17326505	0		1482
10-Dec-03	8339466	1344		17326505	0		1344
11-Dec-03	8339466	0		17326505	0		0
12-Dec-03	8341512	2046		17328091	1586		3632
13-Dec-03	8341512	0		17328091	0		0
14-Dec-03	8341512	0		17328091	0		0
15-Dec-03	8343111	1599		17328091	0		1599
16-Dec-03	8343933	822		17334906	6815		7637
17-Dec-03	8345299	1366		17342118	7212		8578
18-Dec-03	8346734	1435		17342118	0		1435
19-Dec-03	8346734	0		17342118	0		0
20-Dec-03	8346734	0		17342118	0		0
21-Dec-03	8346734	0		17342118	0		0
22-Dec-03	8346734	0		17342118	0		0
23-Dec-03	8353660	6926		17342118	0		6926
24-Dec-03	8355575	1915		17342118	0		1915
25-Dec-03	8355575	0		17342118	0		0
26-Dec-03	8355575	0		17342118	0		0
27-Dec-03	8355575	0		17342118	0		0
28-Dec-03	8355575	0		17342118	0		0
29-Dec-03	8362718	7143		17342118	0		7143
30-Dec-03	8362718	0		17342118	0		0
31-Dec-03	8365425	2707		17346328	4210		6917

Total Discharge Sump #1	40378	Average PH Level Sump #1	0.0
Total Discharge Sump #2	47566	Average PH Level Sump #2	0.0

Total Monthly Discharge                      87944

Freeboard Level  
Week # 1        48"  
Week # 2        48"  
Week # 3        48"  
Week # 4        48"  
Week # 5        48"