

Carbon Scrubber Hydrogen Sulfide Removal Performance – 4Q FY07/08

File: OC.RS

Location	Capacity	Model	System	Date	Inlet H2S (ppm)	Outlet H2S (ppm)
LA CIENEGA-JEFFERSON AQMD Allowable Limit: 1.0 ppm	10,000 cfm	US Filter	ECIS	06/30/08	6.80	0.012
				06/24/08	5.20	0.004
				06/16/08	0.65	0.001
				06/09/08	12.00	0.001
				06/02/08	20.00	0.007
				05/28/08	9.00	0.028
				05/19/08	12.00	0.030
				05/12/08	12.00	0.018
				05/05/08	17.00	0.019
				04/28/08	7.60	0.009
				04/23/08	6.80	0.011
				04/14/08	8.10	0.011
				04/07/08	5.60	0.010
				04/03/08	6.70	0.010

Location**Capacity****Model****System****Date****Inlet
H2S (ppm)****Outlet
H2S (ppm)****MISSION - JESSE**

10,000 cfm

US Filter

ECIS

AQMD Allowable Limit: 1.0 ppm

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
06/30/08	6.50	0.025
06/24/08	5.30	0.008
06/16/08	0.08	0.001
06/09/08	9.60	0.005
06/02/08	5.30	0.004
05/28/08	22.00	0.002
05/19/08	33.00	0.035
05/12/08	17.00	0.007
05/05/08	17.00	0.002
04/28/08	5.10	0.023
04/21/08	6.20	0.015
4/14/408	14.00	0.011
04/07/08	5.20	0.006
04/01/08	3.20	0.014

Location**Capacity****Model****System****Date****Inlet
H2S (ppm)****Outlet
H2S (ppm)****North Outfall Treatment
Facility**

10,000 cfm

US Filter

WLAIS

AQMD Allowable Limit: 1.0 ppm

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
06/30/08	4.80	0.016
06/24/08	7.20	0.032
06/16/08	0.01	0.008
06/09/08	10.00	0.040
06/02/08	16.00	0.024
05/28/08	5.60	0.002
05/19/08	14.00	0.047
05/12/08	3.80	0.009
05/06/08	6.30	0.004
04/28/08	7.40	0.001
04/22/08	15.20	0.018
04/14/08	14.00	0.011
04/07/08	5.70	0.008
04/02/08	5.30	0.029

Location**Capacity****Model****System****Date****Inlet
H2S (ppm)****Outlet
H2S (ppm)****RADFORD - WOODBRIDGE**

5,000 cfm

Barneby

NOS

AQMD Allowable Limit: 1.0 ppm

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
6/30/2008	0.87	0.008
6/24/2008	1.10	0.006
6/16/2008	0.79	0.008
6/9/2008	0.01	0.001
6/2/2008	0.26	0.005
5/28/2008	1.10	0.008
5/20/2008	1.70	0.008
5/12/2008	2.10	0.008
5/5/2008	2.30	0.009
4/29/2008	1.32	0.009
4/23/2008	1.12	0.009
4/14/2007	0.88	0.008
4/7/2008	0.92	0.009
4/4/2008	0.83	0.008

Location**Capacity****Model****System****Date****Inlet
H2S (ppm)****Outlet
H2S (ppm)****RODEO - MLK**

5,000 cfm

Barneby

Maze

AQMD Allowable Limit: 0.6 ppm

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
06/30/08	42.0	0.015
06/24/08	35.0	0.001
06/16/08	0.3	0.001
06/09/08	31.0	0.018
06/02/08	HL	0.014
05/28/08	37.0	0.014
05/19/08	45.0	0.009
05/12/08	14.0	0.011
05/05/08	37.0	0.010
04/28/08	6.3	0.014
04/22/08	5.1	0.008
04/14/08	2.5	0.001
04/07/08	4.8	0.008
04/02/08	3.9	0.006

Location**Capacity****Model****System****Date****Inlet
H2S (ppm)****Outlet
H2S (ppm)****TRAFFIC ISLAND (Rodeo and
Jefferson)**

10,000 cfm

US Filter

NCOS

AQMD Allowable Limit: 1.0 ppm

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
6/30/2008	2.50	0.005
6/24/2008	0.01	0.001
6/16/2008	0.01	0.001
6/9/2008	2.60	0.001
6/2/2008	1.80	0.004
5/28/2008	3.50	0.007
5/19/2008	1.06	0.007
5/12/2008	3.80	0.006
5/5/2008	3.90	0.006
4/28/2008	2.50	0.003
4/22/2008	4.80	0.009
4/14/2008	0.37	0.022
4/7/2008	4.10	0.010
4/2/2008	2.80	0.016

Location**Capacity****Model****System****Date****Inlet
H2S (ppm)****Outlet
H2S (ppm)****23RD AND SAN PEDRO**

10,000 cfm

US Filter

ECIS

AQMD Allowable Limit: 1.0 ppm

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
06/30/08	27.00	0.003
06/24/08	21.00	0.009
06/16/08	17.00	0.001
06/09/08	22.00	0.006
06/02/08	47.00	0.006
05/28/08	25.00	0.033
05/19/08	27.00	0.003
05/12/08	23.00	0.006
05/05/08	48.00	0.007
04/28/08	5.60	0.003
04/21/08	28.00	0.019
04/14/08	19.00	0.017
04/07/08	9.50	0.014

Location**BALLONA CREEK**

AQMD Allowable: 0.14 ppm

Capacity

5,000 cfm

Model

Cameron

System

Marina

Date**Inlet
H2S (ppm)****Outlet
H2S (ppm)**

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
06/30/08	0.65	0.001
06/24/08	2.00	0.005
06/09/08	0.85	0.001
06/02/08	1.20	0.004
05/28/08	2.00	0.002
05/19/08	1.50	0.008
05/12/08	0.62	0.008
05/05/08	0.28	0.006
04/28/08	0.89	0.008
04/22/08	0.89	0.019
04/14/08	0.90	0.037
04/07/08	0.84	0.009
04/02/08	0.73	0.008

Location**Capacity****Model****System****Date****Inlet
H2S (ppm)****Outlet
H2S (ppm)****Genesee**

AQMD Allowable: 1.0 ppm

5,000 cfm

Barneby

LCSFVRS

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
6/30/08	0.72	0.012
6/24/08	1.10	0.001
6/16/08	0.04	0.001
6/9/08	0.81	0.001
6/2/08	1.20	0.009
5/28/08	0.68	0.014
5/19/08	0.68	0.014
5/12/08	0.68	0.012
5/5/08	0.70	0.014
4/28/08	0.70	0.008
4/23/08	0.82	0.014
4/14/08	0.74	0.041
4/7/08	0.68	0.013
4/3/08	0.46	0.016

Location**Capacity****Model****System****Date****Inlet
H2S (ppm)****Outlet
H2S (ppm)****Dacotah**

AQMD Allowable: 1.0 ppm

3,000 cfm

US Filter

Pump
Plant

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
06/30/08	0.90	0.015
06/24/08	4.20	0.044
06/16/08	0.04	0.001
06/09/08	0.52	0.038
06/02/08	2.80	0.003
05/28/08	2.80	0.024
05/19/08	3.70	0.034
05/12/08	1.77	0.026
05/05/08	0.80	0.039
04/28/08	0.74	0.007
04/21/08	0.60	0.022
04/14/08	0.14	0.024
04/07/08	0.34	0.009
04/01/08	0.79	0.008

Location**Humboldt**

AQMD Allowable: 1.0 ppm

Capacity

10,000 cfm

Model

US Filter

System

NEIS

Date**Inlet
H2S (ppm)****Outlet
H2S (ppm)**

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
06/30/08	42.00	0.020
06/24/08	37.00	0.035
06/16/08	0.04	0.001
06/09/08	32.00	0.010
06/02/08	HL	0.073
05/28/08	37.00	0.022
05/19/08	45.00	0.045
05/12/08	12.00	0.012
05/06/08	41.00	0.015
04/28/08	13.00	0.010
04/21/08	12.00	0.009
04/14/08	27.00	0.052
04/07/08	16.00	0.012
04/01/08	17.00	0.008

Location**Capacity****Model****System****Date****Inlet
H2S (ppm)****Outlet
H2S (ppm)****NORS**

AQMD Allowable: 1.0 ppm

10,000 cfm

US Filter

NORS/ECIS

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
6/30/08	2.10	0.001
6/24/08	3.40	0.001
6/16/08	0.01	0.001
6/9/08	8.70	0.001
6/2/08	15.00	0.006
5/28/08	2.20	0.009
5/19/08	3.60	0.010
5/12/08	12.00	0.008
5/5/08	13.10	0.009
4/28/08	11.30	0.009
4/22/08	21.00	0.005
4/14/07	10.80	0.013
4/7/08	6.20	0.010
4/2/08	7.60	0.009

Location**Richmond**

AQMD Allowable: 1.0 ppm

Capacity

10000 cfm

Model

US Filter

System

NEIS

Date**Inlet
H2S (ppm)****Outlet
H2S (ppm)**

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
6/30/08	0.088	0.003
6/24/08	1.600	0.038
6/16/08	0.020	0.001
6/9/08	45.000	0.002
6/2/08	18.000	0.058
5/28/08	3.200	0.011
5/19/08	4.900	0.055
5/12/08	14.000	0.006
5/5/08	17.000	0.003
4/21/08	1.400	0.044
4/14/08	11.000	0.049
4/7/08	3.100	0.013
4/1/08	0.390	0.009