

Carbon Scrubber Hydrogen Sulfide Removal Performance – 3Q FY07/08

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	3/26/2008	7.00	0.009
				3/17/2008	5.20	0.047
				3/10/2008	2.90	0.015
				3/3/2008	4.10	0.038
				2/26/2008	1.40	0.008
				2/19/2008	4.50	0.025
				2/11/2008	6.00	0.053
				2/5/2008	3.00	0.014
				1/31/2008	3.70	0.008
				1/22/2008	1.40	0.021
				1/14/2008	1.29	0.045
				1/7/2008	0.82	0.018

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)
03/26/08	7.00	0.013
03/17/08	3.80	0.019
03/10/08	1.50	0.020
03/03/08	7.70	0.014
02/26/08	7.90	0.013
02/19/08	6.30	0.013
02/11/08	4.20	0.020
02/05/08	5.90	0.044
01/28/08	9.40	0.001
01/22/08	1.90	0.011
01/14/08	11.00	0.015
01/08/08	1.80	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)
03/26/08	6.00	0.006
03/17/08	2.70	0.036
03/10/08	2.30	0.008
03/03/08	4.00	0.006
02/25/08	4.10	0.009
02/19/08	6.40	0.017
02/11/08	2.60	0.035
02/05/08	3.10	0.023
01/28/08	0.41	0.002
01/22/08	3.20	0.041
01/14/07	2.80	0.025
01/07/08	0.25	0.016

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)
3/26/2008	0.72	0.001
3/10/2008	0.30	0.006
3/3/2008	0.32	0.008
2/26/2008	0.28	0.004
2/19/2008	1.12	0.004
2/12/2008	0.78	0.006
2/5/2008	0.36	0.005
1/28/2008	0.70	0.002
1/22/2008	1.70	0.008
1/14/2008	1.14	0.009
1/8/2008	0.42	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)
3/26/2008	4.0	0.042
3/17/2008	2.5	0.010
3/10/2008	17.0	0.007
3/3/2008	14.0	0.010
2/26/2008	6.2	0.009
2/19/2008	10.3	0.008
2/11/2008	15.0	0.008
2/5/2008	4.9	0.006
1/28/2008	1.1	0.013
1/22/2008	1.1	0.012
1/14/2008	3.2	0.013
1/7/2008	1.8	0.014

Location**TRAFFIC ISLAND (Rodeo and Jefferson)**

AQMD Allowable Limit: 1.0 ppm

Capacity

10,000 cfm

Model

US Filter

System

NCOS

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

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
3/26/2008	2.50	0.018
3/17/2008	4.20	0.008
3/10/2008	0.14	0.010
3/3/2008	0.39	0.009
2/26/2008	2.80	0.019
2/19/2008	2.30	0.003
2/11/2008	7.80	0.006
2/5/2008	4.00	0.005
1/28/2008	2.60	0.008
1/22/2008	1.70	0.002
1/14/2008	0.15	0.005
1/7/2008	0.45	0.002

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)
03/26/08	11.00	0.007
03/17/08	12.00	0.028
03/10/08	8.10	0.032
03/03/08	8.20	0.012
02/26/08	10.50	0.013
02/19/08	13.00	0.022
02/11/08	15.00	0.048
02/05/08	6.40	0.040
01/28/08	11.00	0.006
01/22/08	HL	0.004
01/14/08	HL	0.003
01/08/08	HL	0.003

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)
03/26/08	0.70	0.026
03/17/08	0.45	0.006
03/10/08	0.59	0.008
03/03/08	0.43	0.009
02/25/08	0.74	0.014
02/19/08	0.53	0.040
02/11/08	0.37	0.022
02/05/08	0.33	0.007
01/28/08	0.18	0.008
01/22/08	0.32	0.008
01/14/08	0.21	0.015
01/07/08	0.92	0.012

Location**Genesee**

AQMD Allowable: 1.0 ppm

Capacity

5,000 cfm

Model

Barneby

System

LCSFVRS

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

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
03/26/08	0.11	0.024
03/17/08	0.43	0.011
03/10/08	0.21	0.008
03/03/08	0.38	0.006
02/26/08	0.28	0.008
02/19/08	0.53	0.073
02/11/08	0.32	0.017
02/05/08	0.11	0.016
01/28/08	0.26	0.004
01/22/08	1.20	0.018
01/14/08	0.11	0.024
01/07/08	0.44	0.007

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)
3/26/2008	0.12	0.065
3/17/2008	0.44	0.006
3/10/2008	0.51	0.008
3/3/2008	0.38	0.009
2/26/2008	0.46	0.008
2/19/2008	0.37	0.044
2/11/2008	0.11	0.009
2/5/2008	0.64	0.009
1/28/2008	0.11	0.004
1/22/2008	0.13	0.004
1/14/2008	0.62	0.012
1/8/2008	0.32	0.013

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)
3/26/08	23.00	0.027
3/17/08	2.10	0.056
3/10/08	2.20	0.041
3/3/08	16.00	0.037
2/26/08	15.00	0.042
2/19/08	18.00	0.015
2/11/08	25.00	0.330
2/5/08	17.00	0.037
1/28/08	0.46	0.001
1/22/08	2.50	0.052
1/14/08	2.10	0.008
1/8/08	1.20	0.009

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)
3/26/08	16.00	0.006
3/17/08	6.20	0.006
3/10/08	0.97	0.020
3/3/08	2.90	0.028
2/25/08	2.30	0.006
2/19/08	7.00	0.005
2/11/08	5.50	0.007
2/5/08	2.40	0.005
1/22/08	0.95	0.001
1/14/08	2.50	0.009
1/7/08	2.20	0.002

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)
3/26/08	3.500	0.017
3/17/08	3.200	0.020
3/10/08	0.260	0.020
3/3/08	2.900	0.018
2/26/08	0.480	0.014
2/19/08	4.000	0.023
2/11/08	3.500	0.016
2/5/08	3.100	0.026
1/28/08	1.500	0.004
1/22/08	3.900	0.270
1/18/08	0.710	0.013
1/8/08	1.800	0.017