

Carbon Scrubber Hydrogen Sulfide Removal Performance – 3Q FY06/07

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	3/28/2007	2.80	0.011
				3/19/2007	3.20	0.013
				3/12/2007	4.00	0.008
				3/5/2007	2.60	0.009
				2/27/2007	2.40	0.009
				2/12/2007	3.60	0.018
				2/5/2007	10.10	0.013
				1/29/2007	7.70	0.018
				1/22/2007	5.00	0.031
				1/16/2007	11.00	0.013
				1/9/2007	3.10	0.014
				1/2/2007	2.50	0.019
				2/12/2007	3.60	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)
3/28/2007	1.30	0.005
3/23/2007	1.20	0.006
3/14/2007	9.30	0.007
3/6/2007	4.40	0.004
2/27/2007	1.40	0.006
2/20/2007	1.07	0.006
2/12/2007	1.80	0.007
2/6/2007	6.10	0.009
1/31/2007	3.80	0.004
1/27/2007	5.90	0.011
1/16/2007	3.80	0.010
1/8/2007	6.00	0.011
1/3/2007	5.60	0.003

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)
03/28/07	3.90	0.004
03/22/07	4.60	0.002
03/12/07	4.10	0.008
3/5/2007	5.40	0.008
2/27/2007	4.10	0.009
2/20/2007	11.70	0.019
2/12/2007	3.00	0.040
2/5/2007	4.40	0.041
1/29/2007	6.70	0.038
1/22/2007	3.20	0.039
1/16/2007	3.90	0.013
1/8/2007	7.80	0.008

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)
3/30/2007	1.23	0.003
3/19/2007	0.91	0.003
3/14/2007	1.20	0.006
3/6/2007	1.11	0.006
2/27/2007	0.98	0.005
2/21/2007	1.01	0.003
2/13/2007	0.87	0.007
2/6/2007	1.60	0.007
1/30/2007	0.96	0.006
1/22/2007	1.50	0.007
1/16/2007	0.66	0.004
1/9/2007	1.40	0.006
1/3/2007	0.82	0.004

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)
3/28/2007	0.8	0.009
3/19/2007	0.6	0.015
3/12/2007	1.0	0.005
3/5/2007	1.1	0.004
2/27/2007	0.4	0.004
2/20/2007	1.4	0.003
2/12/2007	2.4	0.002
2/5/2007	2.8	0.006
1/29/2007	15.0	0.003
1/22/2007	2.2	0.030
1/16/2007	0.4	0.080
1/9/2007	0.4	0.040
1/2/2007	1.9	0.060

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)
3/28/2007	0.97	0.009
3/19/2007	0.20	0.024
3/12/2007	4.90	0.007
3/5/2007	3.90	0.005
2/27/2007	4.80	0.005
2/21/2007	5.10	0.004
2/12/2007	3.70	0.006
2/5/2007	3.60	0.006
1/30/2007	1.40	0.008
1/17/2007	1.10	0.009
1/8/2007	2.80	0.011
1/3/2007	6.40	0.010

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)
3/28/2007	50+	0.029
3/14/2007	9.90	0.034
3/8/2007	50+	0.005
2/26/2007	50+	0.005
2/20/2007	50+	0.004
2/12/2007	15.20	0.004
2/5/2007	18.10	0.006
1/30/2007	50+	0.008
1/22/2007	50+	0.007
1/16/2007	50+	0.008
1/8/2007	50+	0.009
1/3/2007	50+	0.004

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)
3/28/2007	0.69	0.005
3/19/2007	0.49	0.018
3/12/2007	0.84	0.004
3/5/2007	0.82	0.003
2/27/2007	0.31	0.003
2/20/2007	1.70	0.003
2/12/2007	0.64	0.003
2/6/2007	0.94	0.002
1/31/2007	1.30	0.001
1/22/2007	0.11	0.001
1/17/2007	0.61	0.008
1/8/2007	1.20	0.019
1/3/2007	1.20	0.013

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)
03/28/07	1.40	0.010
03/22/07	0.73	0.007
03/12/07	0.61	0.006
03/05/07	0.81	0.007
02/27/07	0.62	0.006
02/20/07	0.51	0.003
02/12/07	0.36	0.005
02/05/07	0.42	0.008
01/29/07	0.38	0.008
01/22/07	2.10	0.004
01/16/07	2.80	0.008
01/09/07	1.60	0.005
01/03/07	1.80	0.004

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)
3/28/2007	0.36	0.007
3/19/2007	0.12	0.005
3/14/2007	0.40	0.004
3/6/2007	0.44	0.013
2/27/2007	0.15	0.003
2/20/2007	0.13	0.002
2/12/2007	0.22	0.016
2/5/2007	0.27	0.022
1/30/2007	0.22	0.002
1/22/2007	0.55	0.004
1/16/2007	0.46	0.004
1/8/2007	0.68	0.009
1/3/2007	0.44	0.002

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)
3/27/07	2.20	0.002
3/19/07	0.15	0.001
3/13/07	1.23	0.004
3/8/07	1.11	0.004
2/27/07	0.47	0.004
2/20/07	0.50	0.005
2/12/07	0.62	0.004
2/5/07	1.90	0.003
1/30/07	1.50	0.001
1/22/07	1.90	0.010
1/16/07	1.70	0.011
1/8/07	1.40	0.003
1/3/07	1.90	0.002

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)
3/28/07	5.50	0.110
3/19/07	9.70	0.130
3/12/07	7.20	0.006
3/5/07	4.20	0.008
2/27/07	3.50	0.003
2/21/07	2.30	0.004
2/12/07	2.00	0.004
2/5/07	2.20	0.002
1/31/07	9.70	0.004
1/22/07	9.30	0.050
1/17/07	6.80	0.013
1/8/07	8.20	0.027
1/2/07	0.92	0.012

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)
3/28/07	0.810	0.002
3/19/07	0.160	0.002
3/13/07	4.500	0.004
3/6/07	0.880	0.002
2/27/07	0.009	0.001
2/20/07	0.014	0.002
2/12/07	1.800	0.008
2/5/07	3.000	0.018
1/30/07	1.900	0.002
1/22/07	2.000	0.003
1/16/07	1.200	0.002
1/8/07	2.100	0.003
1/3/07	2.800	0.003