

Carbon Scrubber Operations - Performance 2QFY 04/05

Location

Capacity

Model

System

Date

Inlet

Outlet

H2S (ppm)

H2S (ppm)

LA CIENEGA-JEFFERSON

10,000 cfm

US Filter

ECIS

AQMD Allowable Limit: 1.0 ppm

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
12/27/2004	0.96	0.024
12/23/2004	0.92	0.009
12/15/2004	0.76	0.008
12/8/2004	0.50	0.012
12/2/2004	0.13	0.009
11/22/2004	1.10	0.014
11/18/2004	2.40	0.024
11/9/2004	0.37	0.025
11/3/2004	0.85	0.132
10/28/2004	0.56	0.012
10/18/2004	8.300	0.03
10/14/2004	0.12	0.010
10/8/2004	3.500	0.039
10/8/2004	0.270	0.013
10/7/2004	8.800	0.050

10/7/2004	0.110	0.011
10/6/2004	3.100	0.043
10/6/2004	0.460	0.008
10/5/2004	6.100	0.015
10/5/2004	2.100	0.014
10/4/2004	2.400	0.016
10/4/2004	1.300	0.016
10/4/2004	2.400	0.016

Location

MISSION - JESSE ATF

AQMD Allowable Limit: 1.0 ppm

Capacity	Model	System	Date	Inlet H2S (ppm)	Outlet H2S (ppm)
10,000 cfm	US Filter	ECIS	12/27/2004	6.20	0.044
			12/22/2004	1.14	0.045
			12/15/2004	1.10	0.044
			12/8/2004	0.007	0.007
			11/30/2004	17.00	0.150
			11/23/2004	12.70	0.088
			11/19/2004	13.20	0.067
			11/12/2004	12.00	0.078
			11/4/2004	11.00	0.140
			10/25/2004	9.50	0.105

Location

Capacity Model System Date Inlet Outlet
H2S (ppm) H2S (ppm)

MISSION - JESSE ATF

10,000 cfm US Filter ECIS

AQMD Allowable Limit: 1.0 ppm

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
10/18/2004	2.90	0.118
10/14/2004	1.70	0.029
10/8/2004	3.600	0.082
10/8/2004	1.700	0.022
10/7/2004	6.400	0.045
10/7/2004	2.700	0.029
10/6/2004	11.100	0.053
10/6/2004	7.100	0.025
10/5/2004	2.800	0.071
10/5/2004	6.800	0.006
10/4/2004	6.400	0.007
10/4/2004	8.600	0.020

Location

Capacity Model System

North Outfall Treatment Facility ATF

10,000 cfm US Filter WLAIS

AQMD Allowable Limit: 1.0 ppm

Date	Inlet	Outlet
	H2S (ppm)	H2S (ppm)
12/27/2004	5.700	0.005
12/20/2004	8.300	0.001
12/13/2004	7.400	0.130
12/7/2004	2.100	0.005
12/1/2004	2.200	0.007
11/22/2004	3.800	0.015
11/16/2004	2.700	0.008
11/9/2004	2.400	0.012
11/1/2004	2.100	0.007
10/28/2004	1.400	0.007
10/19/2004	8.000	0.013
10/13/2004	2.000	0.003
10/5/2004	1.000	0.001

Location

Capacity

Model

System

Date

Inlet

Outlet

RADFORD - WOODBRIDGE ATF

AQMD Allowable Limit: 1.0 ppm

5,000 cfm

Baneby

NOS

H2S (ppm)

H2S (ppm)

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
12/27/2004	4.20	0.018
12/16/2004	5.60	0.002
12/7/2004	1.80	0.013
12/3/2004	4.00	0.190
11/22/2004	1.30	0.016
11/15/2004	6.10	0.033
11/10/2004	4.80	0.019
11/5/2004	3.10	0.038
10/26/2004	7.00	0.008
10/21/2004	5.30	0.010
10/12/2004	2.20	0.029
10/7/2004	4.50	0.032
10/1/2004	4.10	0.009

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

5,000 cfm

Baneby

Maze

AQMD Allowable Limit: 0.6 ppm

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
12/27/2004	4.2	0.020
12/23/2004	10.5	0.018
12/15/2004	6.8	0.011
12/13/2004	11.6	0.002
12/8/2004	10.3	0.011
12/2/2004	14.0	0.005
11/23/2004	4.3	0.090
11/18/2004	9.0	0.039
11/12/2004	8.2	0.006
11/3/2004	6.0	0.004
10/29/2004	13.0	0.038
10/19/2004	7.4	0.021
10/13/2004	5.3	0.015
10/4/2004	4.6	0.002

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

10,000 cfm

US Filter

NCOS

AQMD Allowable Limit: 1.0 ppm

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
12/27/2004	3.10	0.028
12/23/2004	3.00	0.033
12/15/2004	3.30	0.019
12/8/2004	2.20	0.011
12/1/2004	0.42	0.028
11/22/2004	0.51	0.032
11/18/2004	1.40	0.049
11/12/2004	1.70	0.045
11/1/2004	7.50	0.041
10/28/2004	2.30	0.043
10/18/2004	7.90	0.047
10/14/2004	1.60	0.030
10/8/2004	5.200	0.066
10/8/2004	4.800	0.037
10/7/2004	7.900	0.066
10/7/2004	3.000	0.047

10/6/2004	7.300	0.066
10/6/2004	2.600	0.029
10/5/2004	8.200	0.030
10/5/2004	0.013	0.008
10/4/2004	0.012	0.009
10/4/2004	0.013	0.010

Location**23RD AND SAN PEDRO ATF**

AQMD Allowable Limit: 1.0 ppm

Capacity	Model	System	Date	Inlet H2S (ppm)	Outlet H2S (ppm)
10,000 cfm	US Filter	ECIS	12/27/2004	11.200	0.004
			12/21/2004	8.400	0.160
			12/15/2004	8.400	0.020
			12/8/2004	11.100	0.003
			11/30/2004	2.100	0.220
			11/23/2004	0.350	0.023
			11/19/2004	0.400	0.360
			11/9/2004	9.700	0.560
			11/4/2004	16.000	0.480
			10/25/2004	16.000	0.190
			10/18/2004	0.720	0.140
			10/14/2004	18.000	0.220
			10/8/2002	11.000	0.160
			10/8/2004	5.100	0.049
			10/7/2004	13.000	0.150
			10/7/2004	15.000	0.022

10/6/2004	15.000	0.170
10/6/2004	14.000	0.110
10/5/2004	23.000	0.180
10/5/2004	16.000	0.180
10/4/2004	17.000	0.180
10/4/2004	19.000	0.180

Location

BALLONA CREEK ATF

AQMD Allowable: 0.14 ppm

Capacity	Model	System	Date	Inlet	Outlet
				H2S (ppm)	H2S (ppm)
5000 cfm	Cameron	Marina	12/27/2004	0.94	0.066
			12/21/2004	1.9	0.11
			12/14/2004	2.2	0.093
			12/7/2004	2	0.061
			12/1/2004	2.1	0.021
			11/22/2004	2.03	0.047
			11/16/2004	1.7	0.027
			11/12/2004	1.3	0.067
			11/3/2004	1.04	0.036
			10/26/2004	0.65	0.035
			10/21/2004	0.72	0.026
			10/12/2004	0.67	0.044
			10/6/2004	1.60	0.030