

# Carbon Scrubber Hydrogen Sulfide Removal Performance – 1Q FY09/10

File: OC.RS

Location	Capacity	Model	System	Date	Inlet H2S (ppm)	Outlet H2S (ppm)
<b>LA CIENEGA-JEFFERSON</b> AQMD Allowable Limit: 1.0 ppm	10,000 cfm	US Filter	ECIS	09/21/09	8.10	0.017
				09/15/09	5.10	0.005
				09/08/09	6.20	0.006
				08/31/09	2.40	0.003
				08/27/09	8.20	0.009
				08/20/09	50.00	0.005
				08/11/09	19.00	0.012
				08/05/09	11.10	0.007
				07/28/09	HL	0.047
				07/22/09	24.00	0.070
				07/13/09	2.20	0.002
				07/06/09	0.81	0.011

**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)
09/28/09	2.90	0.002
09/21/09	3.30	0.012
09/18/09	5.60	0.002
09/06/09	0.72	0.002
08/31/09	4.20	0.042
08/25/09	1.20	0.007
08/20/09	6.60	0.035
08/11/09	8.40	0.010
08/05/09	18.00	0.016
07/27/09	4.50	0.003
07/22/09	HL	0.012
07/13/09	7.30	0.036
07/06/09	15.00	0.037

**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)

Unit Disconnected 08/05/08



**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)
09/21/09	10.6	0.012
09/15/09	4.4	0.008
09/08/09	HL	0.008
08/31/09	6.5	0.014
08/25/09	1.7	0.005
08/18/09	12.0	0.012
08/11/09	4.7	0.022
08/05/09	1.9	0.020
07/28/09	22.0	0.012
07/22/09	14.0	0.044
07/13/09	16.0	0.019
07/06/09	12.0	0.010

**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)
9/21/2009	1.30	0.005
9/18/2009	2.60	0.003
9/8/2009	2.70	0.012
8/31/2009	6.90	0.001
8/25/2009	5.80	0.016
8/11/2009	5.20	0.009
8/5/2009	5.80	0.003
7/22/2009	4.60	0.012
7/13/2009	2.10	0.007
7/6/2009	5.20	0.025

**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)

Unit Disconnected 08/04/08

**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)
09/28/09	0.39	0.002
09/21/09	0.29	0.001
09/18/09	0.42	0.002
09/08/09	0.72	0.010
08/31/09	0.32	0.006
08/25/09	0.13	0.005
08/20/09	1.90	0.003
08/10/09	0.64	0.006
08/05/09	1.20	0.003
07/28/09	1.50	0.006
07/22/09	1.14	0.011
07/13/09	1.20	0.007
07/06/09	1.20	0.007

**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)
9/28/09	0.18	0.010
9/21/09	0.34	0.006
9/15/09	0.66	0.000
9/8/09	1.22	0.002
8/31/09	0.42	0.000
8/25/09	0.58	0.002
8/20/09	0.78	0.029
8/11/09	1.20	0.021
8/5/09	1.30	0.006
7/28/09	0.22	0.008
7/22/09	1.40	0.024
7/13/09	0.81	0.005
7/6/09	1.20	0.009

**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)
09/28/09	0.80	0.007
09/21/09	1.40	0.019
09/15/09	2.10	0.012
09/08/09	3.80	0.013
08/31/09	0.75	0.014
08/25/09	0.79	0.015
08/20/09	8.30	0.009
08/11/09	4.00	0.008
08/05/09	2.90	0.012
07/28/09	1.20	0.016
07/22/09	5.50	0.078
07/13/09	2.70	0.022
07/06/09	3.00	0.032

**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)
09/28/09	0.00	0.00
09/21/09	0.00	0.00
09/15/09	0.00	0.00
09/08/09	0.00	0.00
08/31/09	0.00	0.00
08/25/09	0.002	0.00
08/20/09	0.00	0.00
08/11/09	0.00	0.00
08/05/09	0.00	0.00
07/27/09	0.00	0.00
07/22/09	0.004	0.00
07/13/09	0.004	0.00
07/06/09	0.00	0.00

**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)
9/28/2009	6.40	0.002
9/21/2009	4.50	0.002
9/18/2009	6.10	0.006
9/8/2009	3.20	0.008
8/31/2009	2.20	0.002
8/25/2009	15.00	0.008
8/20/2009	11.10	0.001
8/11/2009	11.00	0.016
8/5/2009	6.90	0.005
7/28/2009	43.00	0.009
7/22/2009	16.00	0.012
7/13/2009	17.00	0.039
7/6/2009	21.00	0.014

**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)
9/28/09	2.900	0.013
9/21/09	5.100	0.006
9/15/09	7.300	0.008
9/8/09	15.000	0.051
8/31/09	2.600	0.006
8/25/09	1.400	0.024
8/20/09	10.600	0.022
8/11/09	2.300	0.012
8/5/09	7.300	0.010
7/27/09	6.800	0.007
7/20/09	7.200	0.002
7/13/09	10.000	0.016
7/6/09	8.600	0.033

**Location**

**Capacity**

**Model**

**System**

**Date**

**Inlet  
H2S (ppm)**

**Outlet  
H2S (ppm)**

**Sierra Bonita**

AQMD Allowable: 1.0 ppm

10000 cfm

US Filter

LCSFVRS

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
09/28/09	0.21	0.000
09/24/09	2.10	0.000
09/18/09	1.30	0.000
09/10/09	4.10	0.000
09/04/09	5.20	0.000
08/26/09	7.20	0.000
08/21/09	6.80	0.000
08/14/09	6.20	0.000