

Carbon Scrubber Hydrogen Sulfide Removal Performance – 1Q FY08/09

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 | 09/29/08 | 11.00 | 0.020 |
| | | | | 09/26/08 | 16.00 | 0.003 |
| | | | | 09/15/08 | 29.00 | 0.046 |
| | | | | 09/12/08 | 4.20 | 0.009 |
| | | | | 09/03/08 | 4.80 | 0.008 |
| | | | | 08/26/08 | 4.10 | 0.008 |
| | | | | 08/21/08 | 5.60 | 0.006 |
| | | | | 07/28/08 | 3.20 | 0.008 |
| | | | | 07/21/08 | 4.10 | 0.006 |
| | | | | 07/14/08 | 5.70 | 0.005 |
| | | | | 07/07/08 | 17.00 | 0.039 |

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) |
|----------|--------------------|---------------------|
| 09/29/08 | 2.90 | 0.009 |
| 09/22/08 | 4.20 | 0.013 |
| 09/15/08 | 18.00 | 0.030 |
| 09/09/08 | 11.00 | 0.017 |
| 09/03/08 | 13.00 | 0.019 |
| 08/25/08 | 9.60 | 0.025 |
| 08/18/08 | 14.00 | 0.032 |
| 08/11/08 | 8.80 | 0.032 |
| 08/04/08 | 13.30 | 0.007 |
| 07/28/08 | 4.20 | 0.006 |
| 07/21/08 | 5.10 | 0.007 |
| 07/14/08 | 4.00 | 0.005 |
| 07/07/08 | 9.20 | 0.012 |

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) |
|----------|--------------------|---------------------|
| 08/04/08 | 17.00 | 0.096 |
| 07/28/08 | 3.60 | 0.014 |
| 07/21/08 | 4.90 | 0.010 |
| 07/14/08 | 3.20 | 0.027 |
| 07/07/08 | 17.00 | 0.023 |

Unit Disconnected 08/05/08

| Location | Capacity | Model | System | Date | Inlet H2S (ppm) | Outlet H2S (ppm) |
|--|-----------|---------|--------|-----------|--------------------|---------------------|
| RADFORD - WOODBRIDGE AQMD Allowable Limit: 1.0 ppm | 5,000 cfm | Barneby | NOS | 09/29/08 | 0.20 | 0.008 |
| | | | | 09/22/08 | 1.40 | 0.004 |
| | | | | 9/15/2008 | 0.50 | 0.001 |
| | | | | 9/8/2008 | 1.80 | 0.066 |
| | | | | 9/5/2008 | 0.84 | 0.009 |
| | | | | 8/25/2008 | 0.78 | 0.010 |
| | | | | 8/19/2008 | 0.50 | 0.011 |
| | | | | 8/11/2008 | 1.50 | 0.008 |
| | | | | 8/6/2008 | 0.93 | 0.007 |
| | | | | 8/1/2008 | 1.20 | 0.006 |
| | | | | 7/24/2008 | 0.62 | 0.008 |
| | | | | 7/14/2008 | 0.28 | 0.020 |
| | | | | 7/8/2008 | 0.16 | 0.009 |

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) |
|----------|--------------------|---------------------|
| 09/29/08 | 36.0 | 0.047 |
| 09/22/08 | 31.0 | 0.049 |
| 09/15/08 | 50.0 | 0.023 |
| 09/09/08 | 17.0 | 0.012 |
| 09/04/08 | 19.0 | 0.016 |
| 08/25/08 | 9.0 | 0.008 |
| 08/14/08 | 15.0 | 0.019 |
| 08/11/08 | HL | 0.058 |
| 08/04/08 | HL | 0.014 |
| 07/28/08 | 42.0 | 0.008 |
| 07/21/08 | 16.0 | 0.018 |
| 07/14/08 | 26.0 | 0.022 |
| 07/07/08 | 44.0 | 0.011 |

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) |
|-----------|-----------------|------------------|
| 9/22/2008 | 10.60 | 0.011 |
| 9/15/2008 | 0.10 | 0.006 |
| 9/8/2008 | 0.01 | 0.006 |
| 9/3/2008 | 4.20 | 0.009 |
| 8/25/2008 | 3.60 | 0.009 |
| 8/19/2008 | 8.80 | 0.029 |
| 8/11/2008 | 11.00 | 0.034 |
| 8/4/2008 | 12.00 | 0.043 |
| 7/30/2008 | 4.01 | 0.007 |
| 7/21/2008 | 4.40 | 0.006 |
| 7/14/2008 | 0.94 | 0.001 |
| 7/8/2008 | 0.64 | 0.001 |

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) |
|----------|-----------------|------------------|
| 07/28/08 | 47.00 | 0.002 |
| 07/23/08 | 18.00 | 0.006 |
| 07/14/08 | 11.00 | 0.005 |
| 07/07/08 | 28.00 | 0.018 |

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) |
|----------|--------------------|---------------------|
| 09/29/08 | 1.20 | 0.003 |
| 09/22/08 | 2.90 | 0.001 |
| 09/15/08 | 0.01 | 0.001 |
| 09/04/08 | 0.92 | 0 |
| 08/25/08 | 2.20 | 0.010 |
| 08/14/08 | 1.40 | 0.008 |
| 08/11/08 | 1.40 | 0.012 |
| 08/04/08 | 1.12 | 0.007 |
| 07/30/08 | 0.71 | 0.003 |
| 07/21/08 | 0.64 | 0.003 |
| 07/14/08 | 0.81 | 0.001 |
| 07/07/08 | 0.37 | 0.004 |

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) |
|---------|--------------------|---------------------|
| 9/29/08 | 2.50 | 0.013 |
| 9/22/08 | 2.00 | 0.004 |
| 9/15/08 | 2.40 | 0.018 |
| 9/8/08 | 0.66 | 0.000 |
| 9/4/08 | 0.50 | 0.003 |
| 8/25/08 | 1.40 | 0.009 |
| 8/19/08 | 0.95 | 0.007 |
| 8/11/08 | 1.10 | 0.017 |
| 8/4/08 | 1.60 | 0.025 |
| 7/30/08 | 0.82 | 0.008 |
| 7/21/08 | 0.78 | 0.005 |
| 7/14/08 | 0.71 | 0.004 |
| 7/7/08 | 0.02 | 0.013 |

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) |
|----------|--------------------|---------------------|
| 09/29/08 | 1.80 | 0.019 |
| 09/22/08 | 2.30 | 0.009 |
| 09/15/08 | 1.50 | 0.005 |
| 09/09/08 | 0.58 | 0.032 |
| 09/03/08 | 0.69 | 0.048 |
| 08/25/08 | 3.7 | 0.04 |
| 08/18/08 | 4.00 | 0.011 |
| 08/11/08 | 1.20 | 0.082 |
| 08/04/08 | 4.20 | 0.250 |
| 07/28/08 | 0.64 | 0.012 |
| 07/23/08 | 0.72 | 0.011 |
| 07/14/08 | 0.84 | 0.081 |
| 07/07/08 | 2.60 | 0.007 |

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) |
|----------|--------------------|---------------------|
| 09/29/08 | 15.00 | 0.021 |
| 09/22/08 | 14.00 | 0.003 |
| 09/15/08 | 15.00 | 0.073 |
| 09/09/08 | 20.00 | 0.018 |
| 09/03/08 | 13.00 | 0.041 |
| 08/25/08 | HL | 0.022 |
| 08/18/08 | HL | 0.011 |
| 08/11/08 | 31.00 | 0.056 |
| 08/04/08 | 39.00 | 0.022 |
| 07/31/08 | HL | 0.037 |
| 07/23/08 | 28.00 | 0.014 |
| 07/14/08 | 16.00 | 0.015 |
| 07/07/08 | 9.00 | 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) |
|---------|--------------------|---------------------|
| 9/29/08 | 10.90 | 0.024 |
| 9/22/08 | 18.00 | 0.009 |
| 9/15/08 | 30.00 | 0.026 |
| 9/8/08 | 49.00 | 0.008 |
| 9/3/08 | 28.00 | 0.008 |
| 8/25/08 | 3.80 | 0.011 |
| 8/19/08 | 18.00 | 0.021 |
| 8/11/08 | 1.60 | 0.013 |
| 8/4/08 | 13.00 | 0.010 |
| 7/29/08 | 5.90 | 0.014 |
| 7/21/08 | 3.60 | 0.008 |
| 7/14/08 | 1.60 | 0.006 |
| 7/8/08 | 1.60 | 1.000 |

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) |
|---------|--------------------|---------------------|
| 9/29/08 | 1.140 | 0.006 |
| 9/22/08 | 1.030 | 0.006 |
| 9/15/08 | 2.100 | 0.009 |
| 9/9/08 | 0.220 | 0.001 |
| 9/3/08 | 0.150 | 0.001 |
| 8/25/08 | 1.200 | 0.008 |
| 8/18/08 | 1.400 | 0.008 |
| 8/11/08 | 1.300 | 0.006 |
| 8/4/08 | 2.100 | 0.012 |
| 8/1/08 | 5.000 | 0.039 |
| 7/23/08 | 4.600 | 0.011 |
| 7/14/08 | 1.600 | 0.004 |
| 7/7/08 | 0.680 | 0.004 |