

# **EXHIBIT #11**

**BY ELECTRONIC MAIL**  
(Please confirm receipt to roger@cbecal.org)

14 January 2014

Clerk of the Board  
Contra Costa County Board of Supervisors  
651 Pine Street, Room 106  
Martinez, CA 94553

*Attention: Tiffany Lennear (Tiffany.Lennear@cob.cccounty.us)*

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**Appeal of Environmental Impact Report and Land Use Permit Filed 2 Dec 2013:**

**Phillips 66 Company Propane Recovery Project, Environmental Impact Report (EIR) and Land Use Permit, EIR SCH #2012072046, County File LP12-2073;**

**Communities for a Better Environment (CBE) Supplemental Evidence-C**

Dear Clerk of the Board,

In support of our appeal, CBE respectfully submits Rodeo facility fuel gas propane and butane (LPG) content and fuel gas flow data. This evidence is appended hereto as Attachment 4.

The proposed project would recover propane and additional butane produced from crude oil in amounts that could boost this refinery's LPG yield to exceed 11 volume % on its crude oil feed.<sup>1</sup> Average monthly West Coast refinery LPG yields reported since 1993 never exceeded 4.1 vol. % on crude.<sup>2</sup> Feedstock and products are key process variables that are fundamentally interrelated. Thus, changing LPG production changes oil feedstock processing. CBE and the Rodeo Citizens Association (RCA) showed that the project would require increased LPG production, requiring a change in feedstock, and related proposals would enable such new, and likely lower quality, oil feeds, such as tar sands oils.<sup>1</sup> Refining lower quality oil can worsen pollution and safety hazards substantially.<sup>1</sup> The Governor's Office of Planning and Research (OPR),<sup>3</sup> and the Refinery Action Collaborative, which includes, among others, the Labor Occupational Health Program at U.C. Berkeley and the refinery workers' union United Steelworkers,<sup>4</sup> have joined CBE and RCA in asking that the EIR disclose and analyze potential changes in oil feedstock and resultant impacts.

<sup>1</sup> See CBE and RCA expert reports: Karras Report dated 4 Sep 2013; Fox Report dated 15 Nov 2013.

<sup>2</sup> PADD 5 Refinery Yield; [www.eia.gov/dnav/pet/pet\\_pnp\\_pct\\_dc\\_r50\\_pct\\_m.htm](http://www.eia.gov/dnav/pet/pet_pnp_pct_dc_r50_pct_m.htm). Download 13 Jan 2013. This 4.1% maximum may be an overestimate: it may include other liquefied gases (e.g., ethane, ethylene).

<sup>3</sup> See CBE Supplemental Evidence-A, submitted on 12 Dec 2013.

<sup>4</sup> Refinery Action Collaborative letter of 18 Dec 2013, appended hereto as Attachment 5.

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The EIR admits it “did not address changes in crude oil use”<sup>5</sup> and argues against this disclosure, asserting that the proposed change in LPG has no relationship to any change in oil feedstock. Specifically, the EIR asserts that the project “would not change, enlarge, or otherwise impact” the refinery’s oil feedstock<sup>5</sup> because, it asserts:

- (1) “the actual amount of propane and butane available for recovery (determined using measured flow data and lab analysis of propane and butane content) is approximately 4,200 bpd [barrels per day, or b/d] of propane and 9,300 bpd of butane”<sup>5</sup> so that;
- (2) the 4,200 b/d of propane<sup>6</sup> and 3,800 b/d of additional butane<sup>6</sup> the project design would recover from refinery fuel gas “do not represent any anticipated increase in LPG production.”<sup>5</sup>

Despite its explicit reliance on “measured flow data and lab analysis of propane and butane content” for this claimed amount of LPG recoverable in the baseline, no such data is included anywhere in the EIR.<sup>7</sup> Therefore, the data in Attachment 4 are relevant to environmental review of this project.

#### The Rodeo Fuel Gas LPG Data

Phillips 66 submitted a “Refinery Fuel Gas Speciation Profile” and “Daily U233 Fuel Gas Data” in attachments A-4 and A-7 to its air permits application for this project.<sup>8</sup> These data are given in Attachment 4. The Speciation Profile reports the propane and butane<sup>9</sup> content, mass fractions, and molecular weight (MW) of fuel gas from analysis of samples taken at the Unit 233 fuel gas mix drum, described as the mix drum for the fuel gas system. Propane and butane concentrations ranged by 10% and 17%, respectively, in three samples taken during August 2011. Phillips’ Attachment A-7 reports daily Unit 233 fuel gas flow from Jan 2009–Nov 2012. In the most recent three-year baseline period reported (Dec 2009–Nov 2012) this fuel gas flow averaged ≈29.83 million standard cubic feet per day (MMSCFD) with a 90<sup>th</sup> Percentile flow of 35.21 MMSCFD.

Phillips asserted that these data are representative of the refinery baseline for project review.<sup>10</sup> Table S-1 summarizes these baseline data.

<sup>5</sup> FEIR at 3.2-130 [*explanation added*]: As used in the EIR, “bpd” refers to barrels per day (b/d).

<sup>6</sup> Project design reported by the EIR. See DEIR at 3-23; see also DEIR at 3-21 (Table 3-2).

<sup>7</sup> The EIR’s failure to disclose these purported baseline data is improper. See also Fox Report at 5.

<sup>8</sup> *Rodeo Propane Recovery Project BAAQMD Authority to Construct and Significant Revision to Major Facility Review Permit Application*, February 2013. Previously submitted attached to Karras Report.

<sup>9</sup> Butane, herein, is the sum of *n*-butane and isobutane, each of which is reported in Attachment A-4.

<sup>10</sup> Indeed, this refinery baseline is asserted explicitly (“Refinery fuel gas [RFG] volume and total sulfur content *for the baseline period* were provided in the original permit application”) (*emphasis added*) on page 3 of Phillips’ 28 June 2013 response to the Air Quality Management District’s 21 May 2013 Incomplete Letter (included in the Karras Report “Air Permit Correspondence” Attachment). Phillips’ statement must refer to air permit app. attachments A-4 and A-7 as no other refinery fuel gas data were included in the application or its attachments. Thus, these are the only data available at this time that represent the “measured flow data and lab analysis of propane and butane content” the EIR purports to rely upon, and Phillips asserted that these data are representative of the project baseline. CBE submits these data on this basis, however, more data are required for full environmental review. For example, other, undisclosed, and new streams containing LPG could be routed to recovery, such as streams from the refinery’s Santa Maria Facility (see Fox Report), and Phillips reports analysis of only three samples for LPG in fuel gas.

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**Table S-1. Baseline LPG in Rodeo Facility Fuel Gas, December 2009–November 2012<sup>a</sup>**

|                     | Units                 | Average | 90 <sup>th</sup> Percentile |
|---------------------|-----------------------|---------|-----------------------------|
| U233 fuel gas flow  | (MMSCFD)              | 29.83   | 35.21                       |
|                     | (million lbs/day)     | 1.71    | 2.02                        |
| Propane in fuel gas | (lb/lb fuel gas)      | 0.2381  | 0.2381                      |
|                     | (million lbs/day)     | 0.407   | 0.481                       |
|                     | (barrels/day)         | 2,290   | 2,700                       |
|                     | (% of project design) | 54%     | 64%                         |
| Butane in fuel gas  | (lb/lb fuel gas)      | 0.2230  | 0.2230                      |
|                     | (million lbs/day)     | 0.381   | 0.450                       |
|                     | (barrels/day)         | 1,880   | 2,220                       |
|                     | (% of project design) | 49%     | 58%                         |

(a) Project design: 4,200 b/d propane and 3,800 b/d butane; data from DEIR at 3-23. Compressed liquid densities at 60 °F: 178 lb/barrel propane and 203 lb/b butane; data from EPA's AP 42 Appendix A. All other data from Phillips 66 Air Permit Application attachments provided in Attachment 4 hereto. Conversions from MMSCFD (1 atm., 60 °F) to lbs/d based on fuel gas MW (21.75 lb/lb-mol), and on propane and butane mass fractions (lb/lb fuel gas shown in table), from Attachment 4. Butane shown includes *n*-Butane and Isobutane.

### LPG Baseline Errors

As estimated from Phillips' data, the baseline Rodeo facility fuel gas contains an average of ≈2,290 b/d of propane and ≈1,880 b/d of butane. See Table S-1. Even at the 90<sup>th</sup> Percentile (conditions existing only 10% of the time) it contains only ≈2,700 b/d of propane and 2,220 b/d of butane. These amounts are smaller than the “4,200 bpd of propane and 9,300 bpd of butane” baseline asserted by the EIR. Thus, Phillips' data show that the EIR overestimates the project LPG baseline. Therefore, the EIR's unsupported LPG baseline is contradicted by available data that the EIR has failed to disclose.

### LPG Production and Feedstock Errors

Phillips data show that baseline refinery fuel gas does not contain enough LPG to implement the project goals. See Table S-1. Instead, LPG available from existing crude stocks would meet about half of the project's goals—54% of projected propane production and 49% of projected butane production. Therefore, the EIR's unsupported assertion that the project goals “do not represent any anticipated increase in LPG production” is contradicted by available data that the EIR has failed to disclose.

At roughly half of project design (see Table S-1), LPG production would roughly double—*on average*—in order to implement the project as proposed. This substantial increase in production would require a change in the amount or composition of the feedstock or processing methods. Thus, the EIR's unsupported claim that the project “would not change, enlarge, or otherwise impact” refinery oil feedstock is contradicted by Phillips' own data, which the EIR has failed to disclose. Changing refinery oil feedstock has known potential to worsen air pollution and safety

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hazards substantially. Therefore, the EIR's admission that it "did not address changes in crude oil use" indicates a serious deficiency in the environmental review of this project.

**Conclusion**

CBE seeks an adequate environmental review that, among other things, resolves the EIR's failure to include information on the sources, types, or quality of this refinery's oil feedstock. Failing to include this information, the EIR fails to answer even the most straightforward questions about whether tar sands oils could be a new feedstock, what changes in oil feedstock are anticipated, potential impacts of those changes, and how those impacts will be addressed. The EIR argues against this necessary environmental disclosure, inappropriately, and erroneously. Its claim that LPG production and oil feed changes are unrelated suffers from the logical fallacy that products are unrelated to feedstock, relies on unsupported conclusory statements, ignores related wharf, rail, and processing expansions that enable new feedstock, and—as documented further herein—is contradicted by substantial evidence that the project requires new feedstock. This new evidence further strongly supports CBE's appeal.

Respectfully Submitted,



Roger Lin  
Staff Attorney



Greg Karras  
Senior Scientist

Attachments: CBE Supp. Attachment 4. Refinery Fuel Gas Speciation Profile and Daily U233 Fuel Gas Data, as submitted by Phillips 66 in attachments to its air permit application for the project

CBE Supp. Attachment 5. Refinery Action Collaborative letter of 18 Dec. 2013

Copy:      Lashun Cross, Principal Planner, Department of Conservation and Development  
                 Laurel L. Impett, AICP, Urban Planner, Shute, Mihaly & Weinberger LLP  
                 Ken Alex, Director, Governor's Office of Planning and Research  
                 Jean Roggenkamp, Deputy Air Pollution Control Officer, BAAQMD  
                 Refinery Action Collaborative, San Francisco Bay Area  
                 Interested Organizations and Individuals

## **CBE Supplemental Attachment 4**

### **Refinery Fuel Gas Speciation Profile and Daily U233 Fuel Gas Data, as submitted by Phillips 66 in attachments to its Air Permit Application for the Project\***

#### **Contents**

**Part 1: Refinery Fuel Gas Speciation Profile  
Permit App. Attachment A-4 excerpt  
(5 pages)**

**Part 2: Daily U233 Fuel Gas Data  
Permit App. Attachment A-7  
(22 pages)**

*\* Rodeo Propane Recovery Project BAAQMD Authority to  
Construct and Significant Revision to Major Facility Review  
Permit Application, February 2013.  
Previously submitted attached to 4 Sep 2013 Karras Report.*

**Refinery Fuel Gas Speciation Profile**  
Form Approved 03/28/2011  
OMB Control No. 2060-0657  
Approval Expires 03/31/2014

#### Fuel Gas Data

|                                      |
|--------------------------------------|
| Refinery Fuel Gas Speciation Profile |
| Form Approved 03/28/2011             |
| OMB Control No. 2080-0857            |
| Approval Expires 03/31/2014          |

**Fuel Gas Data**

| Enter the fuel gas higher heating value (HHV) content and general composition data |                    |               |                         |                            |                                   |                                  |                            |                          |
|--|--------------------|---------------|-------------------------|----------------------------|-----------------------------------|----------------------------------|----------------------------|--------------------------|
| Field:   |                    | CAS No. >>    | 1333-74-0               | 630-08-0                   | 124-38-9                          | 7727-37-9                        | 7782-44-7                  |                          |
|  | Facility ID Number | HHV (Btu/scf) | Moisture Content (vol%) | Hydrogen (vol%, dry basis) | Carbon monoxide (vol%, dry basis) | Carbon dioxide (vol%, dry basis) | Nitrogen (vol%, dry basis) | Oxygen (vol%, dry basis) |
|  | CA5A0280           | 1323.33       | 1.00                    | 28.44                      | 0.43                              | 0.11                             | 2.03                       | 0.43                     |
|  | CA5A0280           | 1335.42       | 0.90                    | 29.49                      | 0.44                              | 0.11                             | 2.39                       | 0.44                     |
|  | CA5A0280           | 1320.85       | 1.10                    | 29.44                      | 0.43                              | 0.11                             | 2.03                       | 0.43                     |
| Molecular Wt   | Molecular Wt       |               | 16.0153                 | 2.014                      | 26.01                             | 44.01                            | 26.0134                    | 32                       |
| Mass Fraction  |                    |               | 0.008282897             | 0.027274137                | 0.005531228                       | 0.002225783                      | 0.027678106                | 0.006319147              |

|                                      |  |  |
|--------------------------------------|--|--|
| Refinery Fuel Gas Speciation Profile |  |  |
| Form Approved 03/28/2011             |  |  |
| OMB Control No. 2060-0657            |  |  |
| Approval Expires 03/31/2014          |  |  |

| Fuel Gas Data |                    | Assume all TRS is H2S                      |                          |                          |                          |                 |                |                  |                   |                 |                   |                    |                  |                   |
|---------------|--------------------|--|--------------------------|--------------------------|--------------------------|-----------------|----------------|------------------|-------------------|-----------------|-------------------|--------------------|------------------|-------------------|
| Instruction:  |                    | Enter the sulfur compound composition data |                          |                          |                          |                 |                |                  |                   |                 |                   |                    |                  |                   |
| Field:        | CAS No. >>         | 7783-06-4                                  | 463-58-1                 | 75-15-0                  | 74-82-8                  | 74-84-0         | 74-85-1        | 74-86-2          | 74-98-6           | 115-07-1        | 463-49-0          | 106-97-8           | 75-28-5          |                   |
|               | Facility ID Number | TRS (ppmvd)                                | Hydrogen sulfide (ppmvd) | Carbonyl sulfide (ppmvd) | Carbon disulfide (ppmvd) | Methane (ppmvd) | Ethane (ppmvd) | Ethylene (ppmvd) | Acetylene (ppmvd) | Propane (ppmvd) | Propylene (ppmvd) | Propadiene (ppmvd) | n-Butane (ppmvd) | Isobutane (ppmvd) |
|               | CA5A0280           | 505.56                                     | 8.370                    | 29.50                    | 0.344                    | 285,832.00      | 115,530.66     | 6,783.18         | 0.53              | 113,270.53      | 13,323.18         | 0.53               | 50,774.64        | 35,532.76         |
|               | CA5A0280           | 571.99                                     | 12.300                   | 30.60                    | 0.459                    | 275,316.91      | 113,347.88     | 6,775.19         | 0.54              | 114,580.81      | 13,684.23         | 0.54               | 54,365.84        | 34,297.09         |
|               | CA5A0280           | 551.55                                     | 18.300                   | 32.79                    | 0.359                    | 278,916.27      | 123,708.52     | 6,628.30         | 0.54              | 124,396.66      | 12,803.23         | 0.54               | 47,143.31        | 28,321.31         |
| Molecular Wt  | Molecular Wt       | 34,0809                                    | 34,0809                  | 50.07                    | 76.139                   | 16.04           | 30.07          | 26.05            | 26.04             | 44.1            | 42.08             | 40.065             | 58.12            | 58.12             |
| Mass Fraction |                    | 0.0009                                     | 0.0009                   | 0.0001                   | 0.00000136               | 0.2065          | 0.1625         | 0.0087           | 0.0003            | 0.2381          | 0.0257            | 0.0000             | 0.1356           | 0.0874            |

Refinery Fuel Gas Speciation Profile  
 Form Approved 03/28/2011  
 OMB Control No. 2060-0857  
 Approval Expires 03/31/2014

Fuel Gas Data

| Instruction:       | Enter the organic compound composition data |                   |                    |                        |                        |                    |                         |                       |                    |                        |                          |                            |                            |                            |  |
|--------------------|---|-------------------|--------------------|------------------------|------------------------|--------------------|-------------------------|-----------------------|--------------------|------------------------|--------------------------|----------------------------|----------------------------|----------------------------|--|
| Field:             | 106-98-9                                    | 107-01-7          | 115-11-7           | 590-19-2               | 106-99-0               | 109-66-0           | 78-78-4                 | 287-92-3              | 109-67-1           | 627-20-3               | 646-04-8                 | 563-46-2                   | 563-45-1                   | 513-35-9                   |  |
| Facility ID Number | 1-Butene (ppmv/d)                           | 2-Butene (ppmv/d) | Isobutene (ppmv/d) | 1,2-Butadiene (ppmv/d) | 1,3-Butadiene (ppmv/d) | n-Pentane (ppmv/d) | 2-Methylbutane (ppmv/d) | Cyclopentane (ppmv/d) | 1-Pentene (ppmv/d) | Cis-2-pentene (ppmv/d) | Trans-2-pentene (ppmv/d) | 2-Methyl-1-butene (ppmv/d) | 3-Methyl-1-butene (ppmv/d) | 2-Methyl-2-butene (ppmv/d) |  |
| CA5A0280           | 3,845.93                                    | 3,281.74          | 4,959.40           | 0.53                   | 80.87                  | 6,158.25           | 8,323.25                | 603.86                | 840.43             | 238.12                 | 487.41                   | 603.86                     | 384.76                     | 700.72                     |  |
| CA5A0280           | 4,218.99                                    | 3,561.71          | 4,991.62           | 0.54                   | 92.39                  | 7,002.63           | 8,746.00                | 685.57                | 958.71             | 277.82                 | 562.60                   | 694.28                     | 414.61                     | 810.72                     |  |
| CA5A0280           | 3,851.76                                    | 3,012.08          | 3,904.83           | 0.54                   | 88.31                  | 5,850.78           | 7,771.96                | 578.37                | 813.06             | 253.07                 | 479.22                   | 581.52                     | 358.81                     | 685.98                     |  |
| Molecular Wt       | Molecular Wt                                | 56.106            | 56.106             | 56.106                 | 54.091                 | 54.091             | 72.15                   | 72.15                 | 70.1               | 70.13                  | 70.13                    | 70.13                      | 70.13                      | 70.13                      |  |
| Mass Fraction      |   | 0.0101            | 0.0085             | 0.0118                 | 0.0000                 | 0.0002             | 0.0210                  | 0.0286                | 0.0020             | 0.0028                 | 0.0008                   | 0.0016                     | 0.0020                     | 0.0012                     |  |

**Refinery Fuel Gas Speciation Profile**

|                             |
|-----------------------------|
| Form Approved 03/28/2011    |
| OMB Control No. 2060-0657   |
| Approval Expires 03/31/2014 |

| Fuel Gas Data |                    |                       |                         |                             |                               |                         |                         |                                 |                                 |                          |                  | Assume n-Hexane    |
|---------------|--------------------|-----------------------|-------------------------|-----------------------------|-------------------------------|-------------------------|-------------------------|---------------------------------|---------------------------------|--------------------------|------------------|--------------------|
| Field:        |                    | 142-29-0              | 591-95-7                | 1574-41-0                   | 2004-70-8                     | 591-93-5                | 591-98-8                | 698-25-4                        | 78-79-5                         | 542-92-7                 | 71-43-2          | 110-54-3           |
|               | Facility ID Number | Cyclopentene (ppmv/d) | 1,2-Pentadiene (ppmv/d) | 1-cis-3-Pentadiene (ppmv/d) | 1-trans-3-Pentadiene (ppmv/d) | 1,4-Pentadiene (ppmv/d) | 2,3-Pentadiene (ppmv/d) | 3-Methyl-1,2-butadiene (ppmv/d) | 2-Methyl-1,3-butadiene (ppmv/d) | Cyclopentadiene (ppmv/d) | Benzene (ppmv/d) | other C6+ (ppmv/d) |
| CA5A0280      | 121.48             | 18.08                 | 159.13                  | 40.64                       | 6.28                          | N/A                     | 10.24                   | 26.65                           | N/A                             | 257.25                   | 12,947.76        |                    |
| CA5A0280      | 138.75             | 23.61                 | 170.52                  | 46.90                       | 7.73                          | N/A                     | 11.64                   | 31.45                           | N/A                             | 292.28                   | 14,456.86        |                    |
| CA5A0280      | 130.41             | 21.54                 | 178.12                  | 43.18                       | 6.57                          | N/A                     | 11.42                   | 28.32                           | N/A                             | 283.22                   | 13,355.67        |                    |
| Molecular Wt  | 68.12              | 68.12                 | 68.12                   | 68.12                       | 68.12                         | 68.12                   | 68.12                   | 68.12                           | 66.10114                        | 78.11                    | 86.18            |                    |
| Mass Fraction | 0.0004             | 0.0001                | 0.0005                  | 0.0001                      | 0.0000                        | 0.0000                  | 0.0000                  | 0.0001                          | 0.0000                          | 0.000997                 | 0.0539           |                    |

*Attachment A-7*  
*Daily U233 Fuel Gas Data*

| DATE      | U233 FG<br>MSCFD | U233 Total S<br>ppm | U233 FG SO2<br>lb/d |
|-----------|------------------|---------------------|---------------------|
| 1/1/2009  | 36,424           | 272.3               | 1,648               |
| 1/2/2009  | 35,533           | 270.2               | 1,595               |
| 1/3/2009  | 36,013           | 313.1               | 1,873               |
| 1/4/2009  | 35,013           | 324.2               | 1,885               |
| 1/5/2009  | 35,133           | 310.4               | 1,811               |
| 1/6/2009  | 35,162           | 302.3               | 1,766               |
| 1/7/2009  | 36,438           | 282.3               | 1,708               |
| 1/8/2009  | 36,114           | 305.3               | 1,831               |
| 1/9/2009  | 35,737           | 283.6               | 1,884               |
| 1/10/2009 | 35,381           | 321.8               | 1,891               |
| 1/11/2009 | 34,445           | 302.8               | 1,733               |
| 1/12/2009 | 33,907           | 304.3               | 1,714               |
| 1/13/2009 | 34,348           | 308.1               | 1,747               |
| 1/14/2009 | 35,624           | 317.0               | 1,876               |
| 1/15/2009 | 36,061           | 283.7               | 1,700               |
| 1/16/2009 | 36,715           | 261.2               | 1,593               |
| 1/17/2009 | 36,823           | 272.5               | 1,667               |
| 1/18/2009 | 32,963           | 380.5               | 2,083               |
| 1/19/2009 | 32,132           | 370.0               | 1,975               |
| 1/20/2009 | 33,395           | 296.5               | 1,645               |
| 1/21/2009 | 32,368           | 304.8               | 1,639               |
| 1/22/2009 | 32,765           | 309.8               | 1,686               |
| 1/23/2009 | 33,833           | 327.0               | 1,838               |
| 1/24/2009 | 35,622           | 280.8               | 1,682               |
| 1/25/2009 | 36,994           | 256.1               | 1,574               |
| 1/26/2009 | 35,268           | 284.0               | 1,664               |
| 1/27/2009 | 34,667           | 340.9               | 1,963               |
| 1/28/2009 | 34,025           | 326.5               | 1,846               |
| 1/29/2009 | 33,793           | 313.0               | 1,757               |
| 1/30/2009 | 33,527           | 321.3               | 1,789               |
| 1/31/2009 | 33,817           | 335.6               | 1,885               |
| 2/1/2009  | 33,278           | 333.8               | 1,845               |
| 2/2/2009  | 32,918           | 352.5               | 1,928               |
| 2/3/2009  | 31,799           | 386.6               | 2,042               |
| 2/4/2009  | 30,532           | 428.0               | 2,171               |
| 2/5/2009  | 31,341           | 383.3               | 1,996               |
| 2/6/2009  | 31,541           | 298.4               | 1,563               |
| 2/7/2009  | 32,050           | 308.2               | 1,641               |
| 2/8/2009  | 32,440           | 304.5               | 1,641               |
| 2/9/2009  | 32,521           | 359.9               | 1,944               |
| 2/10/2009 | 32,485           | 320.8               | 1,731               |
| 2/11/2009 | 31,750           | 342.8               | 1,808               |
| 2/12/2009 | 33,553           | 358.9               | 2,000               |
| 2/13/2009 | 34,433           | 313.9               | 1,795               |
| 2/14/2009 | 33,545           | 355.5               | 1,981               |
| 2/15/2009 | 33,810           | 333.3               | 1,872               |
| 2/16/2009 | 34,462           | 324.9               | 1,860               |
| 2/17/2009 | 35,806           | 283.9               | 1,688               |
| 2/18/2009 | 35,297           | 260.9               | 1,530               |
| 2/19/2009 | 36,933           | 284.1               | 1,743               |
| 2/20/2009 | 37,503           | 335.7               | 2,091               |
| 2/21/2009 | 38,282           | 359.3               | 2,285               |
| 2/22/2009 | 39,774           | 297.3               | 1,964               |
| 2/23/2009 | 39,470           | 269.6               | 1,768               |
| 2/24/2009 | 36,443           | 276.8               | 1,675               |
| 2/25/2009 | 33,406           | 287.0               | 1,592               |
| 2/26/2009 | 33,616           | 278.4               | 1,554               |
| 2/27/2009 | 36,151           | 197.1               | 1,184               |
| 2/28/2009 | 33,562           | 280.2               | 1,562               |
| 3/1/2009  | 36,386           | 277.3               | 1,676               |
| 3/2/2009  | 33,550           | 277.4               | 1,546               |
| 3/3/2009  | 32,106           | 249.6               | 1,331               |
| 3/4/2009  | 32,612           | 246.1               | 1,333               |
| 3/5/2009  | 32,071           | 317.9               | 1,693               |
| 3/6/2009  | 29,664           | 301.0               | 1,483               |
| 3/7/2009  | 28,452           | 296.3               | 1,400               |
| 3/8/2009  | 28,035           | 258.3               | 1,203               |
| 3/9/2009  | 28,322           | 258.0               | 1,214               |

| DATE      | U233 FG | U233 Total S | U233 FG SO2 |
|-----------|---------|--------------|-------------|
|           | MSCFD   | ppm          | lb/d        |
| 3/10/2009 | 29,279  | 310.8        | 1,511       |
| 3/11/2009 | 28,637  | 325.5        | 1,548       |
| 3/12/2009 | 28,622  | 287.9        | 1,369       |
| 3/13/2009 | 27,867  | 265.8        | 1,230       |
| 3/14/2009 | 27,652  | 291.3        | 1,338       |
| 3/15/2009 | 26,924  | 344.9        | 1,543       |
| 3/16/2009 | 25,347  | 380.1        | 1,600       |
| 3/17/2009 | 25,090  | 350.1        | 1,459       |
| 3/18/2009 | 28,214  | 365.7        | 1,592       |
| 3/19/2009 | 26,574  | 378.8        | 1,871       |
| 3/20/2009 | 25,970  | 403.9        | 1,742       |
| 3/21/2009 | 25,400  | 334.0        | 1,409       |
| 3/22/2009 | 26,028  | 305.1        | 1,319       |
| 3/23/2009 | 25,555  | 365.7        | 1,552       |
| 3/24/2009 | 25,896  | 327.2        | 1,408       |
| 3/25/2009 | 24,863  | 344.3        | 1,422       |
| 3/26/2009 | 25,724  | 352.6        | 1,506       |
| 3/27/2009 | 25,850  | 351.8        | 1,499       |
| 3/28/2009 | 25,654  | 347.8        | 1,482       |
| 3/29/2009 | 25,181  | 371.0        | 1,552       |
| 3/30/2009 | 24,548  | 409.9        | 1,671       |
| 3/31/2009 | 25,261  | 389.1        | 1,633       |
| 4/1/2009  | 24,889  | 408.6        | 1,889       |
| 4/2/2009  | 24,239  | 418.7        | 1,686       |
| 4/3/2009  | 23,935  | 380.7        | 1,514       |
| 4/4/2009  | 22,849  | 373.0        | 1,416       |
| 4/5/2009  | 23,040  | 404.5        | 1,548       |
| 4/6/2009  | 22,314  | 447.3        | 1,658       |
| 4/7/2009  | 23,849  | 432.7        | 1,714       |
| 4/8/2009  | 25,886  | 321.9        | 1,384       |
| 4/9/2009  | 26,817  | 329.8        | 1,469       |
| 4/10/2009 | 27,214  | 337.0        | 1,523       |
| 4/11/2009 | 27,201  | 344.3        | 1,556       |
| 4/12/2009 | 26,937  | 322.8        | 1,444       |
| 4/13/2009 | 27,465  | 329.9        | 1,505       |
| 4/14/2009 | 29,098  | 332.9        | 1,609       |
| 4/15/2009 | 30,389  | 317.2        | 1,801       |
| 4/16/2009 | 30,427  | 332.5        | 1,880       |
| 4/17/2009 | 30,920  | 325.0        | 1,669       |
| 4/18/2009 | 31,696  | 320.6        | 1,688       |
| 4/19/2009 | 34,618  | 308.2        | 1,772       |
| 4/20/2009 | 30,953  | 239.8        | 1,233       |
| 4/21/2009 | 25,738  | 25.1         | 107         |
| 4/22/2009 | 26,210  | 31.3         | 136         |
| 4/23/2009 | 27,990  | 24.5         | 114         |
| 4/24/2009 | 28,929  | 23.0         | 111         |
| 4/25/2009 | 28,605  | 23.4         | 111         |
| 4/26/2009 | 28,615  | 23.0         | 109         |
| 4/27/2009 | 28,963  | 22.1         | 107         |
| 4/28/2009 | 29,078  | 23.4         | 113         |
| 4/29/2009 | 28,169  | 20.4         | 95          |
| 4/30/2009 | 26,032  | 24.9         | 108         |
| 5/1/2009  | 26,005  | 26.9         | 116         |
| 5/2/2009  | 26,146  | 25.0         | 108         |
| 5/3/2009  | 27,733  | 102.5        | 472         |
| 5/4/2009  | 29,291  | 419.0        | 2,039       |
| 5/5/2009  | 30,456  | 547.3        | 2,769       |
| 5/6/2009  | 28,237  | 548.1        | 2,662       |
| 5/7/2009  | 29,067  | 538.0        | 2,598       |
| 5/8/2009  | 28,600  | 448.5        | 2,131       |
| 5/9/2009  | 30,062  | 463.3        | 2,314       |
| 5/10/2009 | 25,634  | 490.8        | 2,090       |
| 5/11/2009 | 27,591  | 481.5        | 2,207       |
| 5/12/2009 | 26,859  | 582.7        | 2,510       |
| 5/13/2009 | 26,997  | 566.7        | 2,541       |
| 5/14/2009 | 27,631  | 543.0        | 2,492       |
| 5/15/2009 | 28,233  | 563.9        | 2,645       |
| 5/16/2009 | 28,860  | 556.5        | 2,649       |
| 5/17/2009 | 28,370  | 561.3        | 2,645       |
| 5/18/2009 | 29,479  | 545.0        | 2,669       |

| DATE      | U233 FG<br>MSCFD | U233 Total S<br>ppm | U233 FG SO2<br>lb/d |
|-----------|------------------|---------------------|---------------------|
| 5/19/2009 | 28,778           | 522.0               | 2,495               |
| 5/20/2009 | 27,056           | 559.4               | 2,514               |
| 5/21/2009 | 27,554           | 529.5               | 2,424               |
| 5/22/2009 | 28,606           | 514.3               | 2,444               |
| 5/23/2009 | 27,414           | 527.2               | 2,401               |
| 5/24/2009 | 30,695           | 499.3               | 2,546               |
| 5/25/2009 | 32,257           | 488.2               | 2,616               |
| 5/26/2009 | 34,029           | 474.1               | 2,680               |
| 5/27/2009 | 33,326           | 477.2               | 2,641               |
| 5/28/2009 | 33,917           | 417.4               | 2,352               |
| 5/29/2009 | 33,488           | 437.3               | 2,432               |
| 5/30/2009 | 33,606           | 458.2               | 2,557               |
| 5/31/2009 | 33,958           | 446.9               | 2,521               |
| 6/1/2009  | 33,970           | 515.4               | 2,908               |
| 6/2/2009  | 34,419           | 444.8               | 2,543               |
| 6/3/2009  | 33,144           | 451.8               | 2,486               |
| 6/4/2009  | 31,957           | 434.0               | 2,304               |
| 6/5/2009  | 32,053           | 445.8               | 2,374               |
| 6/6/2009  | 31,981           | 447.1               | 2,375               |
| 6/7/2009  | 32,338           | 469.7               | 2,523               |
| 6/8/2009  | 32,311           | 486.6               | 2,611               |
| 6/9/2009  | 32,663           | 479.4               | 2,601               |
| 6/10/2009 | 32,185           | 498.1               | 2,663               |
| 6/11/2009 | 31,583           | 516.2               | 2,708               |
| 6/12/2009 | 31,758           | 484.1               | 2,553               |
| 6/13/2009 | 30,058           | 420.2               | 2,098               |
| 6/14/2009 | 30,315           | 474.9               | 2,391               |
| 6/15/2009 | 30,711           | 495.9               | 2,530               |
| 6/16/2009 | 31,386           | 506.3               | 2,640               |
| 6/17/2009 | 31,745           | 451.0               | 2,378               |
| 6/18/2009 | 31,702           | 492.8               | 2,595               |
| 6/19/2009 | 31,487           | 453.5               | 2,372               |
| 6/20/2009 | 32,321           | 478.6               | 2,569               |
| 6/21/2009 | 31,827           | 443.1               | 2,343               |
| 6/22/2009 | 31,517           | 535.4               | 2,803               |
| 6/23/2009 | 31,485           | 501.4               | 2,622               |
| 6/24/2009 | 32,223           | 486.7               | 2,605               |
| 6/25/2009 | 32,568           | 378.9               | 2,050               |
| 6/26/2009 | 32,315           | 394.5               | 2,117               |
| 6/27/2009 | 31,861           | 461.9               | 2,445               |
| 6/28/2009 | 32,386           | 402.1               | 2,163               |
| 6/29/2009 | 32,855           | 401.0               | 2,188               |
| 6/30/2009 | 32,476           | 441.2               | 2,380               |
| 7/1/2009  | 31,446           | 473.2               | 2,472               |
| 7/2/2009  | 31,976           | 465.6               | 2,473               |
| 7/3/2009  | 33,195           | 448.4               | 2,472               |
| 7/4/2009  | 33,548           | 355.9               | 1,983               |
| 7/5/2009  | 34,016           | 430.0               | 2,429               |
| 7/6/2009  | 33,448           | 386.8               | 2,149               |
| 7/7/2009  | 33,007           | 415.9               | 2,280               |
| 7/8/2009  | 33,215           | 392.2               | 2,164               |
| 7/9/2009  | 32,826           | 466.3               | 2,543               |
| 7/10/2009 | 32,683           | 420.2               | 2,281               |
| 7/11/2009 | 32,666           | 459.1               | 2,481               |
| 7/12/2009 | 31,153           | 354.5               | 1,835               |
| 7/13/2009 | 31,633           | 337.4               | 1,773               |
| 7/14/2009 | 31,668           | 489.4               | 2,574               |
| 7/15/2009 | 32,957           | 469.9               | 2,572               |
| 7/16/2009 | 33,305           | 429.6               | 2,377               |
| 7/17/2009 | 32,920           | 396.0               | 2,165               |
| 7/18/2009 | 32,771           | 410.9               | 2,237               |
| 7/19/2009 | 32,815           | 428.4               | 2,335               |
| 7/20/2009 | 33,403           | 406.5               | 2,255               |
| 7/21/2009 | 33,458           | 418.1               | 2,324               |
| 7/22/2009 | 33,279           | 372.0               | 2,056               |
| 7/23/2009 | 33,703           | 402.7               | 2,254               |
| 7/24/2009 | 33,484           | 422.1               | 2,348               |
| 7/25/2009 | 33,204           | 422.0               | 2,327               |
| 7/26/2009 | 32,967           | 452.0               | 2,475               |
| 7/27/2009 | 33,032           | 434.0               | 2,381               |

| DATE      | U233 FG         | U233 Total S | U233 FG SO2   |
|-----------|-----------------|--------------|---------------|
| 7/28/2009 | MSCFD<br>32,942 | ppm<br>471.8 | lb/d<br>2,582 |
| 7/29/2009 | 33,234          | 446.5        | 2,465         |
| 7/30/2009 | 32,999          | 464.2        | 2,544         |
| 7/31/2009 | 33,131          | 482.7        | 2,546         |
| 8/1/2009  | 33,199          | 484.7        | 2,673         |
| 8/2/2009  | 33,572          | 495.3        | 2,762         |
| 8/3/2009  | 33,847          | 476.2        | 2,677         |
| 8/4/2009  | 33,676          | 464.7        | 2,599         |
| 8/5/2009  | 33,495          | 488.4        | 2,717         |
| 8/6/2009  | 32,588          | 493.4        | 2,671         |
| 8/7/2009  | 31,314          | 522.1        | 2,716         |
| 8/8/2009  | 31,954          | 470.9        | 2,499         |
| 8/9/2009  | 32,187          | 510.6        | 2,730         |
| 8/10/2009 | 31,452          | 520.4        | 2,719         |
| 8/11/2009 | 32,112          | 407.7        | 2,174         |
| 8/12/2009 | 31,111          | 538.8        | 2,773         |
| 8/13/2009 | 31,689          | 485.8        | 2,610         |
| 8/14/2009 | 32,452          | 424.3        | 2,287         |
| 8/15/2009 | 31,919          | 453.6        | 2,405         |
| 8/16/2009 | 31,823          | 470.1        | 2,485         |
| 8/17/2009 | 31,443          | 471.0        | 2,460         |
| 8/18/2009 | 31,928          | 431.6        | 2,289         |
| 8/19/2009 | 32,200          | 389.6        | 2,084         |
| 8/20/2009 | 32,287          | 412.1        | 2,209         |
| 8/21/2009 | 32,380          | 481.9        | 2,484         |
| 8/22/2009 | 33,915          | 473.7        | 2,669         |
| 8/23/2009 | 33,003          | 443.2        | 2,430         |
| 8/24/2009 | 33,471          | 451.9        | 2,512         |
| 8/25/2009 | 33,255          | 431.9        | 2,386         |
| 8/26/2009 | 33,468          | 458.5        | 2,549         |
| 8/27/2009 | 33,597          | 469.5        | 2,620         |
| 8/28/2009 | 32,898          | 486.0        | 2,856         |
| 8/29/2009 | 32,129          | 463.3        | 2,472         |
| 8/30/2009 | 33,061          | 445.3        | 2,445         |
| 8/31/2009 | 32,987          | 394.9        | 2,164         |
| 9/1/2009  | 33,036          | 467.6        | 2,566         |
| 9/2/2009  | 32,533          | 509.9        | 2,755         |
| 9/3/2009  | 33,174          | 484.7        | 2,671         |
| 9/4/2009  | 33,515          | 435.9        | 2,427         |
| 9/5/2009  | 33,484          | 476.1        | 2,648         |
| 9/6/2009  | 33,284          | 490.1        | 2,710         |
| 9/7/2009  | 33,175          | 457.5        | 2,521         |
| 9/8/2009  | 33,047          | 454.0        | 2,492         |
| 9/9/2009  | 34,238          | 398.8        | 2,268         |
| 9/10/2009 | 33,071          | 422.8        | 2,323         |
| 9/11/2009 | 34,130          | 465.6        | 2,640         |
| 9/12/2009 | 34,070          | 431.3        | 2,441         |
| 9/13/2009 | 33,824          | 352.8        | 1,982         |
| 9/14/2009 | 33,501          | 405.6        | 2,257         |
| 9/15/2009 | 33,158          | 349.3        | 1,924         |
| 9/16/2009 | 30,897          | 449.2        | 2,290         |
| 9/17/2009 | 29,823          | 441.0        | 2,185         |
| 9/18/2009 | 30,155          | 473.9        | 2,374         |
| 9/19/2009 | 30,843          | 432.8        | 2,217         |
| 9/20/2009 | 30,442          | 450.4        | 2,277         |
| 9/21/2009 | 31,131          | 446.9        | 2,311         |
| 9/22/2009 | 29,473          | 416.0        | 2,037         |
| 9/23/2009 | 31,038          | 379.1        | 1,955         |
| 9/24/2009 | 31,735          | 303.4        | 1,599         |
| 9/25/2009 | 30,369          | 322.0        | 1,624         |
| 9/26/2009 | 32,828          | 341.6        | 1,863         |
| 9/27/2009 | 32,196          | 216.6        | 1,158         |
| 9/28/2009 | 30,296          | 180.9        | 911           |
| 9/29/2009 | 30,946          | 178.7        | 918           |
| 9/30/2009 | 33,470          | 176.0        | 978           |
| 10/1/2009 | 30,715          | 220.3        | 1,124         |
| 10/2/2009 | 31,648          | 198.4        | 1,043         |
| 10/3/2009 | 28,276          | 226.9        | 1,066         |
| 10/4/2009 | 27,083          | 257.7        | 1,159         |
| 10/5/2009 | 26,405          | 276.3        | 1,212         |

| DATE       | U233 FG<br>MSCFD | U233 Total S<br>ppm | U233 FG SO2<br>lb/d |
|------------|------------------|---------------------|---------------------|
| 10/6/2009  | 25,487           | 293.8               | 1,244               |
| 10/7/2009  | 25,154           | 324.0               | 1,354               |
| 10/8/2009  | 25,468           | 288.8               | 1,222               |
| 10/9/2009  | 26,672           | 337.1               | 1,493               |
| 10/10/2009 | 29,994           | 396.8               | 1,977               |
| 10/11/2009 | 32,823           | 386.5               | 2,107               |
| 10/12/2009 | 35,289           | 352.2               | 2,065               |
| 10/13/2009 | 39,336           | 337.3               | 2,204               |
| 10/14/2009 | 33,275           | 421.6               | 2,330               |
| 10/15/2009 | 33,069           | 412.6               | 2,267               |
| 10/16/2009 | 31,624           | 431.5               | 2,266               |
| 10/17/2009 | 32,299           | 460.6               | 2,471               |
| 10/18/2009 | 32,665           | 445.8               | 2,419               |
| 10/19/2009 | 31,912           | 371.4               | 1,969               |
| 10/20/2009 | 31,862           | 410.8               | 2,161               |
| 10/21/2009 | 32,380           | 389.8               | 2,097               |
| 10/22/2009 | 31,272           | 329.3               | 1,711               |
| 10/23/2009 | 30,108           | 393.4               | 1,967               |
| 10/24/2009 | 29,825           | 440.2               | 2,181               |
| 10/25/2009 | 31,214           | 447.9               | 2,322               |
| 10/26/2009 | 33,290           | 440.0               | 2,433               |
| 10/27/2009 | 33,726           | 361.5               | 2,025               |
| 10/28/2009 | 32,080           | 256.1               | 1,365               |
| 10/29/2009 | 32,920           | 356.9               | 1,952               |
| 10/30/2009 | 32,553           | 345.4               | 1,868               |
| 10/31/2009 | 32,702           | 329.2               | 1,788               |
| 11/1/2009  | 32,666           | 335.2               | 1,819               |
| 11/2/2009  | 32,667           | 340.0               | 1,845               |
| 11/3/2009  | 32,678           | 330.7               | 1,795               |
| 11/4/2009  | 32,480           | 325.5               | 1,756               |
| 11/5/2009  | 30,808           | 380.7               | 1,948               |
| 11/6/2009  | 30,508           | 382.7               | 1,939               |
| 11/7/2009  | 31,893           | 324.9               | 1,726               |
| 11/8/2009  | 32,559           | 341.8               | 1,849               |
| 11/9/2009  | 30,490           | 341.1               | 1,728               |
| 11/10/2009 | 31,270           | 349.6               | 1,816               |
| 11/11/2009 | 30,780           | 401.8               | 2,054               |
| 11/12/2009 | 30,241           | 421.4               | 2,117               |
| 11/13/2009 | 31,789           | 384.9               | 2,033               |
| 11/14/2009 | 31,750           | 378.6               | 1,996               |
| 11/15/2009 | 33,049           | 427.4               | 2,346               |
| 11/16/2009 | 37,205           | 332.4               | 2,054               |
| 11/17/2009 | 37,601           | 327.1               | 2,043               |
| 11/18/2009 | 37,957           | 323.2               | 2,038               |
| 11/19/2009 | 35,313           | 384.5               | 2,255               |
| 11/20/2009 | 37,038           | 366.5               | 2,255               |
| 11/21/2009 | 37,910           | 316.7               | 1,994               |
| 11/22/2009 | 37,458           | 340.2               | 2,117               |
| 11/23/2009 | 37,229           | 355.0               | 2,195               |
| 11/24/2009 | 36,782           | 359.8               | 2,188               |
| 11/25/2009 | 36,605           | 372.4               | 2,265               |
| 11/26/2009 | 36,202           | 361.5               | 2,174               |
| 11/27/2009 | 35,433           | 345.8               | 2,035               |
| 11/28/2009 | 35,411           | 347.9               | 2,046               |
| 11/29/2009 | 35,150           | 386.4               | 2,256               |
| 11/30/2009 | 35,182           | 395.1               | 2,309               |
| 12/1/2009  | 34,616           | 404.9               | 2,328               |
| 12/2/2009  | 35,065           | 382.5               | 2,228               |
| 12/3/2009  | 34,519           | 406.1               | 2,328               |
| 12/4/2009  | 34,618           | 395.1               | 2,272               |
| 12/5/2009  | 33,858           | 389.8               | 2,192               |
| 12/6/2009  | 35,588           | 346.3               | 2,047               |
| 12/7/2009  | 34,831           | 347.3               | 2,009               |
| 12/8/2009  | 29,690           | 41.3                | 203                 |
| 12/9/2009  | 27,149           | 20.3                | 92                  |
| 12/10/2009 | 27,278           | 15.7                | 71                  |
| 12/11/2009 | 29,776           | 121.5               | 601                 |
| 12/12/2009 | 31,754           | 330.5               | 1,743               |
| 12/13/2009 | 32,746           | 357.6               | 1,945               |
| 12/14/2009 | 32,219           | 356.9               | 1,910               |

| DATE       | U233 FG | U233 Total S | U233 FG SO2 |
|------------|---------|--------------|-------------|
|            | MSCFD   | ppm          | lb/d        |
| 12/15/2009 | 33,455  | 380.6        | 2,115       |
| 12/16/2009 | 31,960  | 398.8        | 2,117       |
| 12/17/2009 | 32,435  | 413.3        | 2,226       |
| 12/18/2009 | 33,637  | 374.6        | 2,093       |
| 12/19/2009 | 32,468  | 377.7        | 2,037       |
| 12/20/2009 | 32,270  | 372.4        | 1,996       |
| 12/21/2009 | 31,934  | 361.0        | 1,915       |
| 12/22/2009 | 32,744  | 393.1        | 2,138       |
| 12/23/2009 | 31,613  | 423.6        | 2,224       |
| 12/24/2009 | 31,238  | 430.2        | 2,232       |
| 12/25/2009 | 31,890  | 408.9        | 2,186       |
| 12/26/2009 | 31,439  | 386.3        | 2,017       |
| 12/27/2009 | 32,049  | 393.5        | 2,095       |
| 12/28/2009 | 31,554  | 431.5        | 2,261       |
| 12/29/2009 | 33,780  | 387.8        | 2,176       |
| 12/30/2009 | 36,698  | 375.7        | 2,280       |
| 12/31/2009 | 37,783  | 363.8        | 2,282       |
| 1/1/2010   | 36,887  | 414.9        | 2,542       |
| 1/2/2010   | 37,113  | 419.8        | 2,588       |
| 1/3/2010   | 38,316  | 381.5        | 2,428       |
| 1/4/2010   | 40,225  | 348.6        | 2,329       |
| 1/5/2010   | 39,453  | 369.0        | 2,418       |
| 1/6/2010   | 34,638  | 403.0        | 2,318       |
| 1/7/2010   | 33,459  | 379.5        | 2,109       |
| 1/8/2010   | 34,474  | 397.6        | 2,277       |
| 1/9/2010   | 31,163  | 407.3        | 2,108       |
| 1/10/2010  | 35,750  | 409.7        | 2,433       |
| 1/11/2010  | 36,557  | 408.6        | 2,481       |
| 1/12/2010  | 33,343  | 435.9        | 2,414       |
| 1/13/2010  | 33,316  | 374.2        | 2,071       |
| 1/14/2010  | 33,300  | 414.0        | 2,290       |
| 1/15/2010  | 32,374  | 453.8        | 2,440       |
| 1/16/2010  | 33,445  | 410.8        | 2,282       |
| 1/17/2010  | 32,050  | 409.5        | 2,180       |
| 1/18/2010  | 33,587  | 412.2        | 2,299       |
| 1/19/2010  | 36,122  | 386.6        | 2,319       |
| 1/20/2010  | 36,892  | 341.7        | 2,094       |
| 1/21/2010  | 31,429  | 409.9        | 2,140       |
| 1/22/2010  | 29,782  | 419.5        | 2,075       |
| 1/23/2010  | 31,180  | 420.5        | 2,178       |
| 1/24/2010  | 31,421  | 442.4        | 2,309       |
| 1/25/2010  | 32,400  | 372.0        | 2,002       |
| 1/26/2010  | 35,667  | 347.2        | 2,057       |
| 1/27/2010  | 35,148  | 400.8        | 2,340       |
| 1/28/2010  | 32,510  | 397.8        | 2,148       |
| 1/29/2010  | 34,802  | 418.2        | 2,417       |
| 1/30/2010  | 36,862  | 389.8        | 2,387       |
| 1/31/2010  | 37,542  | 407.8        | 2,542       |
| 2/1/2010   | 36,951  | 410.3        | 2,518       |
| 2/2/2010   | 36,742  | 318.5        | 1,944       |
| 2/3/2010   | 36,741  | 320.9        | 1,958       |
| 2/4/2010   | 37,005  | 373.2        | 2,294       |
| 2/5/2010   | 36,717  | 372.8        | 2,274       |
| 2/6/2010   | 35,910  | 400.0        | 2,386       |
| 2/7/2010   | 35,445  | 368.4        | 2,169       |
| 2/8/2010   | 33,620  | 396.2        | 2,212       |
| 2/9/2010   | 32,640  | 354.5        | 1,922       |
| 2/10/2010  | 33,886  | 424.8        | 2,391       |
| 2/11/2010  | 33,636  | 403.8        | 2,268       |
| 2/12/2010  | 33,682  | 472.5        | 2,644       |
| 2/13/2010  | 32,035  | 483.1        | 2,571       |
| 2/14/2010  | 29,406  | 471.8        | 2,304       |
| 2/15/2010  | 33,756  | 463.7        | 2,600       |
| 2/16/2010  | 36,494  | 408.3        | 2,475       |
| 2/17/2010  | 35,735  | 404.6        | 2,402       |
| 2/18/2010  | 35,018  | 387.5        | 2,254       |
| 2/19/2010  | 33,977  | 405.0        | 2,286       |
| 2/20/2010  | 34,058  | 405.2        | 2,292       |
| 2/21/2010  | 34,436  | 336.8        | 1,927       |
| 2/22/2010  | 34,915  | 392.7        | 2,277       |

| DATE      | U233 FG<br>MSCFD | U233 Total S<br>ppm | U233 FG SO2<br>lb/d |
|-----------|------------------|---------------------|---------------------|
| 2/23/2010 | 36,740           | 348.8               | 2,129               |
| 2/24/2010 | 32,389           | 412.5               | 2,219               |
| 2/25/2010 | 33,592           | 360.4               | 2,011               |
| 2/26/2010 | 33,601           | 347.3               | 1,938               |
| 2/27/2010 | 34,773           | 386.3               | 2,231               |
| 2/28/2010 | 35,176           | 363.8               | 2,125               |
| 3/1/2010  | 34,192           | 418.2               | 2,375               |
| 3/2/2010  | 35,124           | 407.8               | 2,379               |
| 3/3/2010  | 35,965           | 256.7               | 1,533               |
| 3/4/2010  | 35,912           | 386.9               | 2,308               |
| 3/5/2010  | 35,515           | 390.4               | 2,303               |
| 3/6/2010  | 35,548           | 362.9               | 2,143               |
| 3/7/2010  | 35,284           | 369.5               | 2,165               |
| 3/8/2010  | 30,401           | 337.4               | 1,704               |
| 3/9/2010  | 29,429           | 352.5               | 1,723               |
| 3/10/2010 | 28,342           | 374.7               | 1,764               |
| 3/11/2010 | 31,064           | 361.8               | 1,867               |
| 3/12/2010 | 36,289           | 248.1               | 1,495               |
| 3/13/2010 | 38,198           | 269.6               | 1,710               |
| 3/14/2010 | 35,845           | 267.3               | 1,592               |
| 3/15/2010 | 31,116           | 318.7               | 1,647               |
| 3/16/2010 | 32,475           | 405.1               | 2,185               |
| 3/17/2010 | 31,198           | 432.0               | 2,239               |
| 3/18/2010 | 32,916           | 416.3               | 2,276               |
| 3/19/2010 | 30,368           | 412.5               | 2,081               |
| 3/20/2010 | 32,857           | 394.7               | 2,154               |
| 3/21/2010 | 32,880           | 372.6               | 2,035               |
| 3/22/2010 | 30,875           | 396.6               | 2,034               |
| 3/23/2010 | 31,347           | 408.6               | 2,127               |
| 3/24/2010 | 33,551           | 370.4               | 2,064               |
| 3/25/2010 | 33,965           | 380.9               | 2,149               |
| 3/26/2010 | 33,947           | 407.1               | 2,295               |
| 3/27/2010 | 33,539           | 429.4               | 2,392               |
| 3/28/2010 | 33,433           | 381.3               | 2,117               |
| 3/29/2010 | 34,959           | 393.6               | 2,286               |
| 3/30/2010 | 36,188           | 330.3               | 1,985               |
| 3/31/2010 | 36,101           | 349.6               | 2,098               |
| 4/1/2010  | 36,028           | 392.9               | 2,352               |
| 4/2/2010  | 37,397           | 364.4               | 2,263               |
| 4/3/2010  | 38,113           | 352.5               | 2,232               |
| 4/4/2010  | 38,378           | 330.2               | 2,105               |
| 4/5/2010  | 36,590           | 327.7               | 1,992               |
| 4/6/2010  | 32,062           | 413.9               | 2,205               |
| 4/7/2010  | 31,369           | 450.7               | 2,348               |
| 4/8/2010  | 31,123           | 368.5               | 1,905               |
| 4/9/2010  | 31,089           | 482.3               | 2,491               |
| 4/10/2010 | 30,439           | 420.6               | 2,127               |
| 4/11/2010 | 31,050           | 381.3               | 1,987               |
| 4/12/2010 | 29,711           | 413.2               | 2,039               |
| 4/13/2010 | 30,979           | 434.5               | 2,236               |
| 4/14/2010 | 32,986           | 375.7               | 2,057               |
| 4/15/2010 | 31,723           | 432.5               | 2,279               |
| 4/16/2010 | 31,865           | 267.8               | 1,418               |
| 4/17/2010 | 33,258           | 498.2               | 2,752               |
| 4/18/2010 | 32,791           | 533.5               | 2,906               |
| 4/19/2010 | 32,571           | 460.9               | 2,494               |
| 4/20/2010 | 31,485           | 435.4               | 2,277               |
| 4/21/2010 | 31,940           | 421.2               | 2,235               |
| 4/22/2010 | 31,438           | 491.8               | 2,567               |
| 4/23/2010 | 31,989           | 486.0               | 2,583               |
| 4/24/2010 | 31,457           | 451.5               | 2,359               |
| 4/25/2010 | 31,702           | 453.1               | 2,386               |
| 4/26/2010 | 31,974           | 465.2               | 2,471               |
| 4/27/2010 | 31,093           | 427.5               | 2,208               |
| 4/28/2010 | 28,295           | 427.8               | 2,011               |
| 4/29/2010 | 27,683           | 452.8               | 2,082               |
| 4/30/2010 | 28,745           | 541.0               | 2,583               |
| 5/1/2010  | 29,604           | 514.9               | 2,532               |
| 5/2/2010  | 33,958           | 466.5               | 2,631               |
| 5/3/2010  | 33,255           | 467.7               | 2,584               |

| DATE      | U233 FG | U233 Total S | U233 FG SO2 |
|-----------|---------|--------------|-------------|
|           | MSCFD   | ppm          | lb/d        |
| 5/4/2010  | 32,786  | 443.4        | 2,415       |
| 5/6/2010  | 31,936  | 398.8        | 2,115       |
| 5/6/2010  | 29,912  | 449.6        | 2,234       |
| 5/7/2010  | 31,785  | 437.8        | 2,311       |
| 5/8/2010  | 30,381  | 539.0        | 2,720       |
| 5/9/2010  | 31,585  | 521.3        | 2,735       |
| 5/10/2010 | 34,315  | 434.5        | 2,476       |
| 5/11/2010 | 36,256  | 447.3        | 2,694       |
| 5/12/2010 | 38,217  | 488.5        | 3,101       |
| 5/13/2010 | 37,482  | 446.4        | 2,779       |
| 5/14/2010 | 36,739  | 453.0        | 2,765       |
| 5/15/2010 | 36,426  | 519.0        | 3,140       |
| 5/16/2010 | 36,508  | 545.3        | 3,306       |
| 5/17/2010 | 35,446  | 501.9        | 2,955       |
| 5/18/2010 | 34,448  | 505.0        | 2,889       |
| 5/19/2010 | 36,805  | 458.8        | 2,805       |
| 5/20/2010 | 36,988  | 380.8        | 2,339       |
| 5/21/2010 | 36,589  | 407.5        | 2,477       |
| 5/22/2010 | 36,351  | 406.5        | 2,454       |
| 5/23/2010 | 35,767  | 400.4        | 2,379       |
| 5/24/2010 | 35,583  | 389.9        | 2,304       |
| 5/25/2010 | 34,983  | 430.4        | 2,501       |
| 5/26/2010 | 35,345  | 463.7        | 2,722       |
| 5/27/2010 | 36,378  | 416.0        | 2,514       |
| 5/28/2010 | 35,527  | 468.4        | 2,764       |
| 5/29/2010 | 34,545  | 524.2        | 3,008       |
| 5/30/2010 | 35,211  | 546.6        | 3,187       |
| 5/31/2010 | 35,637  | 541.6        | 3,206       |
| 6/1/2010  | 35,366  | 495.6        | 2,911       |
| 6/2/2010  | 35,226  | 424.8        | 2,486       |
| 6/3/2010  | 33,842  | 400.5        | 2,251       |
| 6/4/2010  | 33,305  | 409.6        | 2,266       |
| 6/5/2010  | 34,104  | 458.8        | 2,599       |
| 6/6/2010  | 34,493  | 524.6        | 3,005       |
| 6/7/2010  | 34,415  | 543.8        | 3,108       |
| 6/8/2010  | 34,429  | 487.4        | 2,787       |
| 6/9/2010  | 33,489  | 478.1        | 2,659       |
| 6/10/2010 | 33,605  | 498.4        | 2,782       |
| 6/11/2010 | 34,073  | 521.9        | 2,954       |
| 6/12/2010 | 33,784  | 561.9        | 3,153       |
| 6/13/2010 | 33,281  | 565.2        | 3,124       |
| 6/14/2010 | 33,093  | 484.3        | 2,662       |
| 6/15/2010 | 33,883  | 458.4        | 2,580       |
| 6/16/2010 | 32,592  | 463.8        | 2,511       |
| 6/17/2010 | 34,323  | 439.5        | 2,505       |
| 6/18/2010 | 35,575  | 382.5        | 2,260       |
| 6/19/2010 | 35,371  | 269.9        | 1,586       |
| 6/20/2010 | 35,836  | 433.3        | 2,579       |
| 6/21/2010 | 36,147  | 462.7        | 2,778       |
| 6/22/2010 | 34,559  | 457.4        | 2,626       |
| 6/23/2010 | 34,702  | 486.8        | 2,806       |
| 6/24/2010 | 35,249  | 483.8        | 2,832       |
| 6/25/2010 | 34,863  | 477.1        | 2,764       |
| 6/26/2010 | 34,480  | 429.7        | 2,461       |
| 6/27/2010 | 34,106  | 401.5        | 2,275       |
| 6/28/2010 | 33,062  | 273.3        | 1,501       |
| 6/29/2010 | 32,157  | 231.8        | 1,236       |
| 6/30/2010 | 27,206  | 249.9        | 1,129       |
| 7/1/2010  | 23,717  | 308.0        | 1,213       |
| 7/2/2010  | 27,067  | 291.4        | 1,310       |
| 7/3/2010  | 34,369  | 408.5        | 2,332       |
| 7/4/2010  | 35,103  | 469.2        | 2,736       |
| 7/5/2010  | 33,758  | 465.5        | 2,610       |
| 7/6/2010  | 34,412  | 464.2        | 2,653       |
| 7/7/2010  | 36,702  | 428.9        | 2,621       |
| 7/8/2010  | 35,451  | 449.2        | 2,645       |
| 7/9/2010  | 34,710  | 506.8        | 2,922       |
| 7/10/2010 | 37,634  | 508.6        | 3,179       |
| 7/11/2010 | 38,242  | 453.8        | 2,883       |
| 7/12/2010 | 38,524  | 434.6        | 2,781       |
| 7/13/2010 | 37,105  | 449.7        | 2,771       |
| 7/14/2010 | 36,010  | 422.0        | 2,524       |

| DATE      | U233 FG<br>MSCFD | U233 Total S<br>ppm | U233 FG SO2<br>lb/d |
|-----------|------------------|---------------------|---------------------|
| 7/15/2010 | 35,444           | 397.1               | 2,338               |
| 7/16/2010 | 36,168           | 493.8               | 2,967               |
| 7/17/2010 | 35,353           | 554.4               | 3,256               |
| 7/18/2010 | 36,236           | 388.9               | 2,341               |
| 7/19/2010 | 36,916           | 431.8               | 2,648               |
| 7/20/2010 | 33,646           | 396.5               | 2,216               |
| 7/21/2010 | 32,115           | 398.8               | 2,127               |
| 7/22/2010 | 38,843           | 438.7               | 2,685               |
| 7/23/2010 | 35,548           | 454.6               | 2,685               |
| 7/24/2010 | 34,454           | 442.3               | 2,531               |
| 7/25/2010 | 32,324           | 430.0               | 2,309               |
| 7/26/2010 | 34,412           | 456.0               | 2,606               |
| 7/27/2010 | 34,546           | 407.8               | 2,340               |
| 7/28/2010 | 32,921           | 505.4               | 2,764               |
| 7/29/2010 | 30,741           | 551.5               | 2,816               |
| 7/30/2010 | 30,378           | 578.9               | 2,921               |
| 7/31/2010 | 30,875           | 499.4               | 2,561               |
| 8/1/2010  | 31,421           | 512.8               | 2,677               |
| 8/2/2010  | 32,666           | 565.7               | 3,069               |
| 8/3/2010  | 33,373           | 579.7               | 3,213               |
| 8/4/2010  | 33,684           | 550.0               | 3,077               |
| 8/5/2010  | 35,529           | 526.2               | 3,106               |
| 8/6/2010  | 36,907           | 460.4               | 2,823               |
| 8/7/2010  | 36,855           | 391.1               | 2,394               |
| 8/8/2010  | 35,759           | 412.0               | 2,447               |
| 8/9/2010  | 35,988           | 448.0               | 2,678               |
| 8/10/2010 | 36,285           | 438.7               | 2,644               |
| 8/11/2010 | 35,117           | 461.6               | 2,692               |
| 8/12/2010 | 34,669           | 472.6               | 2,721               |
| 8/13/2010 | 34,865           | 437.1               | 2,532               |
| 8/14/2010 | 34,822           | 403.6               | 2,334               |
| 8/15/2010 | 34,678           | 417.7               | 2,406               |
| 8/16/2010 | 34,897           | 442.8               | 2,567               |
| 8/17/2010 | 35,627           | 359.9               | 2,130               |
| 8/18/2010 | 35,294           | 425.6               | 2,495               |
| 8/19/2010 | 34,871           | 460.8               | 2,669               |
| 8/20/2010 | 35,636           | 427.2               | 2,529               |
| 8/21/2010 | 35,601           | 414.8               | 2,452               |
| 8/22/2010 | 35,484           | 441.4               | 2,602               |
| 8/23/2010 | 33,761           | 436.5               | 2,448               |
| 8/24/2010 | 32,021           | 477.2               | 2,538               |
| 8/25/2010 | 31,853           | 518.4               | 2,743               |
| 8/26/2010 | 33,051           | 448.6               | 2,463               |
| 8/27/2010 | 32,144           | 432.8               | 2,311               |
| 8/28/2010 | 32,203           | 449.0               | 2,402               |
| 8/29/2010 | 31,718           | 456.8               | 2,407               |
| 8/30/2010 | 32,554           | 494.5               | 2,674               |
| 8/31/2010 | 34,563           | 498.2               | 2,860               |
| 9/1/2010  | 35,157           | 450.7               | 2,632               |
| 9/2/2010  | 35,124           | 486.6               | 2,839               |
| 9/3/2010  | 36,082           | 363.5               | 2,179               |
| 9/4/2010  | 36,093           | 395.5               | 2,371               |
| 9/5/2010  | 35,636           | 420.4               | 2,488               |
| 9/6/2010  | 34,926           | 401.6               | 2,330               |
| 9/7/2010  | 35,203           | 281.7               | 1,647               |
| 9/8/2010  | 37,427           | 365.8               | 2,274               |
| 9/9/2010  | 38,586           | 338.4               | 2,169               |
| 9/10/2010 | 36,181           | 365.5               | 2,197               |
| 9/11/2010 | 34,683           | 410.1               | 2,363               |
| 9/12/2010 | 35,766           | 405.7               | 2,410               |
| 9/13/2010 | 33,939           | 388.0               | 2,188               |
| 9/14/2010 | 31,847           | 427.9               | 2,264               |
| 9/15/2010 | 32,304           | 405.9               | 2,178               |
| 9/16/2010 | 32,576           | 425.7               | 2,304               |
| 9/17/2010 | 32,809           | 479.0               | 2,611               |
| 9/18/2010 | 32,809           | 481.6               | 2,625               |
| 9/19/2010 | 33,414           | 451.1               | 2,504               |
| 9/20/2010 | 34,479           | 413.9               | 2,370               |
| 9/21/2010 | 33,949           | 378.8               | 2,125               |
| 9/22/2010 | 32,292           | 398.9               | 2,140               |
| 9/23/2010 | 32,040           | 443.2               | 2,359               |
| 9/24/2010 | 33,125           | 434.5               | 2,391               |

| DATE       | U233 FG | U233 Total S | U233 FG SO2 |
|------------|---------|--------------|-------------|
|            | MSCFD   | ppm          | lb/d        |
| 9/25/2010  | 32,672  | 432.0        | 2,344       |
| 9/26/2010  | 31,018  | 472.7        | 2,435       |
| 9/27/2010  | 31,366  | 491.0        | 2,558       |
| 9/28/2010  | 30,403  | 517.2        | 2,612       |
| 9/29/2010  | 30,588  | 434.9        | 2,210       |
| 9/30/2010  | 33,051  | 395.7        | 2,172       |
| 10/1/2010  | 32,720  | 418.5        | 2,274       |
| 10/2/2010  | 32,287  | 466.1        | 2,499       |
| 10/3/2010  | 31,483  | 419.4        | 2,193       |
| 10/4/2010  | 31,281  | 393.6        | 2,044       |
| 10/5/2010  | 30,388  | 469.9        | 2,370       |
| 10/6/2010  | 30,451  | 435.6        | 2,203       |
| 10/7/2010  | 28,546  | 400.5        | 1,899       |
| 10/8/2010  | 27,746  | 384.1        | 1,770       |
| 10/9/2010  | 31,114  | 308.2        | 1,593       |
| 10/10/2010 | 29,770  | 447.4        | 2,212       |
| 10/11/2010 | 29,272  | 457.0        | 2,222       |
| 10/12/2010 | 29,318  | 515.7        | 2,512       |
| 10/13/2010 | 30,307  | 421.1        | 2,120       |
| 10/14/2010 | 29,652  | 475.0        | 2,340       |
| 10/15/2010 | 30,179  | 417.1        | 2,091       |
| 10/16/2010 | 30,009  | 389.4        | 1,941       |
| 10/17/2010 | 30,756  | 388.3        | 1,984       |
| 10/18/2010 | 31,111  | 368.0        | 1,901       |
| 10/19/2010 | 31,142  | 391.4        | 2,025       |
| 10/20/2010 | 31,815  | 364.2        | 1,925       |
| 10/21/2010 | 32,220  | 339.4        | 1,816       |
| 10/22/2010 | 12,785  | 190.2        | 404         |
| 10/23/2010 | 9,082   | 43.8         | 66          |
| 10/24/2010 | 16,917  | 54.5         | 153         |
| 10/25/2010 | 22,740  | 115.5        | 436         |
| 10/26/2010 | 24,632  | 389.3        | 1,593       |
| 10/27/2010 | 22,132  | 452.1        | 1,662       |
| 10/28/2010 | 24,311  | 464.3        | 1,875       |
| 10/29/2010 | 26,882  | 363.9        | 1,613       |
| 10/30/2010 | 29,166  | 355.6        | 1,723       |
| 10/31/2010 | 27,253  | 431.8        | 1,954       |
| 11/1/2010  | 26,477  | 405.9        | 1,785       |
| 11/2/2010  | 25,935  | 395.2        | 1,703       |
| 11/3/2010  | 25,503  | 375.7        | 1,592       |
| 11/4/2010  | 24,985  | 373.9        | 1,552       |
| 11/5/2010  | 25,714  | 323.1        | 1,380       |
| 11/6/2010  | 28,460  | 309.0        | 1,461       |
| 11/7/2010  | 29,745  | 340.3        | 1,681       |
| 11/8/2010  | 30,151  | 349.8        | 1,751       |
| 11/9/2010  | 30,609  | 333.1        | 1,694       |
| 11/10/2010 | 31,075  | 263.6        | 1,360       |
| 11/11/2010 | 30,586  | 367.2        | 1,865       |
| 11/12/2010 | 30,035  | 341.1        | 1,702       |
| 11/13/2010 | 30,818  | 353.0        | 1,807       |
| 11/14/2010 | 30,465  | 397.3        | 2,010       |
| 11/15/2010 | 29,380  | 358.6        | 1,740       |
| 11/16/2010 | 29,690  | 397.2        | 1,959       |
| 11/17/2010 | 31,578  | 329.3        | 1,727       |
| 11/18/2010 | 32,986  | 269.9        | 1,479       |
| 11/19/2010 | 32,582  | 272.8        | 1,476       |
| 11/20/2010 | 31,174  | 300.5        | 1,556       |
| 11/21/2010 | 28,322  | 301.4        | 1,418       |
| 11/22/2010 | 29,334  | 271.7        | 1,324       |
| 11/23/2010 | 33,640  | 269.9        | 1,508       |
| 11/24/2010 | 34,882  | 347.2        | 2,012       |
| 11/25/2010 | 32,870  | 324.9        | 1,774       |
| 11/26/2010 | 32,201  | 325.4        | 1,741       |
| 11/27/2010 | 31,755  | 330.8        | 1,745       |
| 11/28/2010 | 32,096  | 307.2        | 1,638       |
| 11/29/2010 | 32,139  | 308.4        | 1,646       |
| 11/30/2010 | 30,773  | 304.5        | 1,557       |
| 12/1/2010  | 31,353  | 327.3        | 1,705       |
| 12/2/2010  | 32,247  | 316.8        | 1,697       |
| 12/3/2010  | 33,523  | 321.1        | 1,788       |
| 12/4/2010  | 33,503  | 353.6        | 1,968       |
| 12/5/2010  | 33,382  | 385.2        | 2,136       |

| DATE       | U233 FG<br>MSCFD | U233 Total S<br>ppm | U233 FG SO2<br>lb/d |
|------------|------------------|---------------------|---------------------|
| 12/6/2010  | 32,733           | 375.9               | 2,044               |
| 12/7/2010  | 32,030           | 366.2               | 1,949               |
| 12/8/2010  | 31,364           | 366.1               | 1,907               |
| 12/9/2010  | 32,728           | 367.6               | 1,999               |
| 12/10/2010 | 33,413           | 397.4               | 2,206               |
| 12/11/2010 | 33,901           | 366.9               | 2,066               |
| 12/12/2010 | 33,095           | 360.1               | 1,979               |
| 12/13/2010 | 30,780           | 345.0               | 1,764               |
| 12/14/2010 | 31,267           | 264.0               | 1,371               |
| 12/15/2010 | 33,459           | 362.1               | 2,013               |
| 12/16/2010 | 32,773           | 379.6               | 2,067               |
| 12/17/2010 | 31,632           | 290.0               | 1,524               |
| 12/18/2010 | 30,176           | 203.5               | 1,020               |
| 12/19/2010 | 30,485           | 272.2               | 1,378               |
| 12/20/2010 | 30,595           | 290.5               | 1,476               |
| 12/21/2010 | 31,456           | 326.3               | 1,705               |
| 12/22/2010 | 30,843           | 378.3               | 1,938               |
| 12/23/2010 | 30,723           | 295.6               | 1,508               |
| 12/24/2010 | 31,130           | 385.0               | 1,991               |
| 12/25/2010 | 31,555           | 363.0               | 1,903               |
| 12/26/2010 | 31,316           | 324.3               | 1,687               |
| 12/27/2010 | 31,603           | 378.9               | 1,989               |
| 12/28/2010 | 31,687           | 339.8               | 1,789               |
| 12/29/2010 | 31,922           | 364.8               | 1,934               |
| 12/30/2010 | 31,872           | 349.3               | 1,849               |
| 12/31/2010 | 31,660           | 353.2               | 1,857               |
| 1/1/2011   | 32,152           | 326.7               | 1,745               |
| 1/2/2011   | 31,589           | 361.9               | 1,899               |
| 1/3/2011   | 31,494           | 361.0               | 1,889               |
| 1/4/2011   | 31,360           | 282.9               | 1,474               |
| 1/5/2011   | 31,563           | 348.8               | 1,829               |
| 1/6/2011   | 32,050           | 361.7               | 1,926               |
| 1/7/2011   | 32,011           | 371.6               | 1,976               |
| 1/8/2011   | 30,895           | 311.2               | 1,597               |
| 1/9/2011   | 30,838           | 377.1               | 1,932               |
| 1/10/2011  | 31,043           | 365.5               | 1,885               |
| 1/11/2011  | 31,072           | 386.9               | 1,997               |
| 1/12/2011  | 30,336           | 411.5               | 2,073               |
| 1/13/2011  | 28,579           | 427.3               | 2,028               |
| 1/14/2011  | 28,145           | 415.1               | 1,941               |
| 1/15/2011  | 27,507           | 430.0               | 1,965               |
| 1/16/2011  | 29,125           | 407.6               | 1,972               |
| 1/17/2011  | 28,848           | 400.1               | 1,904               |
| 1/18/2011  | 28,028           | 218.5               | 1,017               |
| 1/19/2011  | 28,526           | 199.9               | 947                 |
| 1/20/2011  | 27,054           | 216.8               | 974                 |
| 1/21/2011  | 27,836           | 256.6               | 1,186               |
| 1/22/2011  | 26,010           | 374.1               | 1,616               |
| 1/23/2011  | 24,720           | 362.2               | 1,487               |
| 1/24/2011  | 22,709           | 365.5               | 1,379               |
| 1/25/2011  | 21,157           | 426.4               | 1,499               |
| 1/26/2011  | 22,128           | 421.4               | 1,549               |
| 1/27/2011  | 22,917           | 370.4               | 1,410               |
| 1/28/2011  | 24,704           | 387.8               | 1,591               |
| 1/29/2011  | 25,447           | 406.9               | 1,720               |
| 1/30/2011  | 22,489           | 315.8               | 1,180               |
| 1/31/2011  | 19,350           | 19.4                | 62                  |
| 2/1/2011   | 18,344           | 20.1                | 61                  |
| 2/2/2011   | 20,365           | 12.3                | 41                  |
| 2/3/2011   | 20,100           | 14.0                | 47                  |
| 2/4/2011   | 21,449           | 23.4                | 83                  |
| 2/5/2011   | 21,573           | 36.5                | 131                 |
| 2/6/2011   | 20,448           | 23.8                | 81                  |
| 2/7/2011   | 23,378           | 133.2               | 517                 |
| 2/8/2011   | 28,162           | 304.6               | 1,425               |
| 2/9/2011   | 27,436           | 306.6               | 1,397               |
| 2/10/2011  | 28,365           | 392.2               | 1,848               |
| 2/11/2011  | 28,909           | 419.1               | 2,012               |
| 2/12/2011  | 29,226           | 447.0               | 2,170               |
| 2/13/2011  | 29,655           | 399.7               | 1,969               |
| 2/14/2011  | 29,444           | 438.5               | 2,145               |
| 2/15/2011  | 29,588           | 456.5               | 2,244               |

| DATE      | U233 FG | U233 Total S | U233 FG SO2 |
|-----------|---------|--------------|-------------|
| MSCFD     | ppm     | lb/d         |             |
| 2/16/2011 | 29,098  | 362.5        | 1,752       |
| 2/17/2011 | 28,926  | 304.2        | 1,462       |
| 2/18/2011 | 29,174  | 338.0        | 1,638       |
| 2/19/2011 | 29,306  | 364.3        | 1,774       |
| 2/20/2011 | 29,673  | 416.8        | 2,054       |
| 2/21/2011 | 25,001  | 376.0        | 1,561       |
| 2/22/2011 | 19,875  | 345.3        | 1,140       |
| 2/23/2011 | 24,574  | 301.9        | 1,232       |
| 2/24/2011 | 26,411  | 308.9        | 1,355       |
| 2/25/2011 | 26,765  | 333.5        | 1,483       |
| 2/26/2011 | 27,498  | 369.1        | 1,886       |
| 2/27/2011 | 27,833  | 393.8        | 1,820       |
| 2/28/2011 | 29,285  | 386.4        | 1,880       |
| 3/1/2011  | 30,104  | 387.5        | 1,938       |
| 3/2/2011  | 31,818  | 387.6        | 2,036       |
| 3/3/2011  | 32,135  | 369.1        | 1,970       |
| 3/4/2011  | 33,182  | 461.5        | 2,542       |
| 3/5/2011  | 35,886  | 403.1        | 2,403       |
| 3/6/2011  | 32,913  | 386.6        | 2,113       |
| 3/7/2011  | 31,951  | 381.7        | 2,026       |
| 3/8/2011  | 32,517  | 406.4        | 2,195       |
| 3/9/2011  | 32,866  | 436.7        | 2,384       |
| 3/10/2011 | 32,758  | 425.0        | 2,313       |
| 3/11/2011 | 32,838  | 410.7        | 2,240       |
| 3/12/2011 | 32,113  | 460.6        | 2,457       |
| 3/13/2011 | 32,307  | 446.7        | 2,397       |
| 3/14/2011 | 31,017  | 513.0        | 2,643       |
| 3/15/2011 | 31,681  | 448.8        | 2,362       |
| 3/16/2011 | 32,758  | 471.8        | 2,567       |
| 3/17/2011 | 34,560  | 448.3        | 2,573       |
| 3/18/2011 | 35,367  | 412.8        | 2,425       |
| 3/19/2011 | 35,848  | 471.2        | 2,806       |
| 3/20/2011 | 35,251  | 414.4        | 2,426       |
| 3/21/2011 | 35,871  | 414.3        | 2,469       |
| 3/22/2011 | 36,399  | 368.3        | 2,227       |
| 3/23/2011 | 36,681  | 381.8        | 2,326       |
| 3/24/2011 | 35,653  | 341.8        | 2,024       |
| 3/25/2011 | 33,478  | 425.7        | 2,367       |
| 3/28/2011 | 33,696  | 474.6        | 2,656       |
| 3/27/2011 | 32,503  | 475.5        | 2,567       |
| 3/28/2011 | 30,871  | 532.9        | 2,742       |
| 3/29/2011 | 32,425  | 495.5        | 2,669       |
| 3/30/2011 | 33,451  | 513.5        | 2,853       |
| 3/31/2011 | 33,721  | 488.5        | 2,736       |
| 4/1/2011  | 33,081  | 488.3        | 2,683       |
| 4/2/2011  | 31,826  | 484.2        | 2,560       |
| 4/3/2011  | 33,422  | 524.5        | 2,912       |
| 4/4/2011  | 31,571  | 438.0        | 2,297       |
| 4/5/2011  | 32,832  | 469.0        | 2,558       |
| 4/6/2011  | 32,428  | 463.7        | 2,497       |
| 4/7/2011  | 32,448  | 450.5        | 2,428       |
| 4/8/2011  | 32,345  | 475.6        | 2,555       |
| 4/9/2011  | 34,803  | 432.6        | 2,486       |
| 4/10/2011 | 34,781  | 403.2        | 2,330       |
| 4/11/2011 | 34,440  | 446.0        | 2,551       |
| 4/12/2011 | 34,820  | 384.1        | 2,222       |
| 4/13/2011 | 33,525  | 369.2        | 2,056       |
| 4/14/2011 | 32,329  | 424.8        | 2,280       |
| 4/15/2011 | 31,853  | 428.0        | 2,264       |
| 4/16/2011 | 32,430  | 426.3        | 2,296       |
| 4/17/2011 | 32,762  | 415.6        | 2,262       |
| 4/18/2011 | 32,652  | 418.7        | 2,271       |
| 4/19/2011 | 32,375  | 430.5        | 2,315       |
| 4/20/2011 | 32,898  | 462.7        | 2,528       |
| 4/21/2011 | 32,823  | 451.8        | 2,483       |
| 4/22/2011 | 32,741  | 516.9        | 2,811       |
| 4/23/2011 | 32,425  | 567.8        | 3,057       |
| 4/24/2011 | 32,397  | 461.8        | 2,485       |
| 4/25/2011 | 32,259  | 497.0        | 2,663       |
| 4/26/2011 | 32,484  | 609.7        | 3,290       |
| 4/27/2011 | 32,165  | 669.9        | 3,579       |
| 4/28/2011 | 32,268  | 531.7        | 2,850       |

| DATE      | U233 FG<br>MSCFD | U233 Total S<br>ppm | U233 FG SO2<br>lb/d |
|-----------|------------------|---------------------|---------------------|
| 4/29/2011 | 32,310           | 447.0               | 2,399               |
| 4/30/2011 | 31,570           | 497.0               | 2,606               |
| 5/1/2011  | 31,388           | 603.8               | 3,148               |
| 5/2/2011  | 31,590           | 671.0               | 3,521               |
| 5/3/2011  | 31,526           | 590.8               | 3,094               |
| 5/4/2011  | 31,217           | 748.2               | 3,880               |
| 5/5/2011  | 30,551           | 716.1               | 3,634               |
| 5/6/2011  | 30,918           | 678.4               | 3,484               |
| 5/7/2011  | 31,593           | 414.0               | 2,173               |
| 5/8/2011  | 31,667           | 332.2               | 1,748               |
| 5/9/2011  | 28,672           | 470.1               | 2,239               |
| 5/10/2011 | 31,950           | 434.6               | 2,307               |
| 5/11/2011 | 25,334           | 184.1               | 775                 |
| 5/12/2011 | 21,016           | 76.9                | 268                 |
| 5/13/2011 | 21,842           | 51.8                | 188                 |
| 5/14/2011 | 21,498           | 48.9                | 175                 |
| 5/15/2011 | 21,449           | 54.7                | 195                 |
| 5/16/2011 | 20,770           | 61.7                | 213                 |
| 5/17/2011 | 21,105           | 77.0                | 270                 |
| 5/18/2011 | 18,877           | 98.3                | 308                 |
| 5/19/2011 | 19,538           | 67.9                | 220                 |
| 5/20/2011 | 18,425           | 110.5               | 338                 |
| 5/21/2011 | 19,882           | 107.1               | 354                 |
| 5/22/2011 | 18,917           | 55.5                | 174                 |
| 5/23/2011 | 18,397           | 152.1               | 465                 |
| 5/24/2011 | 17,975           | 231.1               | 690                 |
| 5/25/2011 | 19,702           | 99.1                | 324                 |
| 5/26/2011 | 18,048           | 98.1                | 288                 |
| 5/27/2011 | 16,286           | 110.2               | 298                 |
| 5/28/2011 | 17,996           | 119.0               | 356                 |
| 5/29/2011 | 17,896           | 119.0               | 354                 |
| 5/30/2011 | 18,759           | 137.8               | 429                 |
| 5/31/2011 | 20,497           | 207.1               | 705                 |
| 6/1/2011  | 19,879           | 310.1               | 1,024               |
| 6/2/2011  | 20,611           | 50.0                | 171                 |
| 6/3/2011  | 20,559           | 16.2                | 55                  |
| 6/4/2011  | 23,771           | 73.0                | 288                 |
| 6/5/2011  | 28,513           | 55.8                | 264                 |
| 6/6/2011  | 27,932           | 6.0                 | 28                  |
| 6/7/2011  | 25,169           | 8.1                 | 34                  |
| 6/8/2011  | 26,088           | 6.0                 | 26                  |
| 6/9/2011  | 25,810           | 8.3                 | 36                  |
| 6/10/2011 | 25,930           | 7.9                 | 34                  |
| 6/11/2011 | 24,955           | 29.2                | 121                 |
| 6/12/2011 | 23,674           | 19.8                | 78                  |
| 6/13/2011 | 20,055           | 57.8                | 193                 |
| 6/14/2011 | 20,268           | 105.1               | 354                 |
| 6/15/2011 | 21,291           | 176.5               | 624                 |
| 6/16/2011 | 22,329           | 206.9               | 767                 |
| 6/17/2011 | 22,354           | 221.7               | 823                 |
| 6/18/2011 | 22,223           | 211.4               | 780                 |
| 6/19/2011 | 21,781           | 246.6               | 892                 |
| 6/20/2011 | 19,434           | 238.4               | 770                 |
| 6/21/2011 | 20,316           | 197.7               | 667                 |
| 6/22/2011 | 21,061           | 174.9               | 812                 |
| 6/23/2011 | 21,726           | 198.4               | 716                 |
| 6/24/2011 | 22,590           | 188.1               | 706                 |
| 6/25/2011 | 23,875           | 296.1               | 1,174               |
| 6/26/2011 | 22,012           | 375.1               | 1,371               |
| 6/27/2011 | 21,201           | 358.8               | 1,264               |
| 6/28/2011 | 23,008           | 267.3               | 1,021               |
| 6/29/2011 | 23,664           | 275.6               | 1,083               |
| 6/30/2011 | 24,109           | 373.9               | 1,497               |
| 7/1/2011  | 24,104           | 402.9               | 1,813               |
| 7/2/2011  | 26,187           | 425.3               | 1,848               |
| 7/3/2011  | 27,598           | 501.4               | 2,298               |
| 7/4/2011  | 29,142           | 447.7               | 2,167               |
| 7/5/2011  | 31,674           | 444.9               | 2,341               |
| 7/6/2011  | 33,521           | 440.2               | 2,451               |
| 7/7/2011  | 34,194           | 435.3               | 2,472               |
| 7/8/2011  | 33,956           | 451.0               | 2,544               |
| 7/9/2011  | 34,341           | 470.8               | 2,686               |

| DATE      | U233 FG | U233 Total S | U233 FG SO2 |
|-----------|---------|--------------|-------------|
|           | MSCFD   | ppm          | lb/d        |
| 7/10/2011 | 33,950  | 460.2        | 2,595       |
| 7/11/2011 | 33,805  | 455.4        | 2,557       |
| 7/12/2011 | 33,056  | 394.7        | 2,167       |
| 7/13/2011 | 32,921  | 405.2        | 2,216       |
| 7/14/2011 | 32,298  | 434.3        | 2,330       |
| 7/15/2011 | 32,946  | 456.2        | 2,496       |
| 7/16/2011 | 32,403  | 470.1        | 2,530       |
| 7/17/2011 | 31,636  | 393.0        | 2,065       |
| 7/18/2011 | 32,137  | 432.7        | 2,310       |
| 7/19/2011 | 32,279  | 460.0        | 2,466       |
| 7/20/2011 | 31,755  | 504.1        | 2,659       |
| 7/21/2011 | 32,160  | 484.3        | 2,587       |
| 7/22/2011 | 32,060  | 497.7        | 2,651       |
| 7/23/2011 | 31,593  | 446.3        | 2,342       |
| 7/24/2011 | 30,225  | 384.9        | 1,932       |
| 7/25/2011 | 30,951  | 366.7        | 1,885       |
| 7/26/2011 | 31,700  | 326.1        | 1,717       |
| 7/27/2011 | 32,858  | 380.0        | 1,953       |
| 7/28/2011 | 33,987  | 390.4        | 2,204       |
| 7/29/2011 | 33,498  | 444.7        | 2,475       |
| 7/30/2011 | 31,913  | 449.8        | 2,384       |
| 7/31/2011 | 29,512  | 436.4        | 2,139       |
| 8/1/2011  | 29,242  | 445.0        | 2,161       |
| 8/2/2011  | 30,233  | 429.4        | 2,157       |
| 8/3/2011  | 31,352  | 415.6        | 2,164       |
| 8/4/2011  | 32,036  | 425.3        | 2,263       |
| 8/5/2011  | 32,169  | 459.6        | 2,456       |
| 8/6/2011  | 32,707  | 418.9        | 2,276       |
| 8/7/2011  | 32,491  | 444.8        | 2,401       |
| 8/8/2011  | 32,504  | 487.4        | 2,523       |
| 8/9/2011  | 33,034  | 427.7        | 2,347       |
| 8/10/2011 | 33,944  | 402.4        | 2,289       |
| 8/11/2011 | 33,468  | 374.5        | 2,082       |
| 8/12/2011 | 32,844  | 461.4        | 2,517       |
| 8/13/2011 | 33,005  | 510.1        | 2,797       |
| 8/14/2011 | 33,147  | 455.6        | 2,509       |
| 8/15/2011 | 33,340  | 212.9        | 1,179       |
| 8/16/2011 | 33,154  | 297.1        | 1,636       |
| 8/17/2011 | 32,302  | 419.2        | 2,249       |
| 8/18/2011 | 32,537  | 409.5        | 2,213       |
| 8/19/2011 | 32,774  | 425.0        | 2,314       |
| 8/20/2011 | 33,075  | 438.9        | 2,411       |
| 8/21/2011 | 36,305  | 390.5        | 2,355       |
| 8/22/2011 | 36,666  | 378.9        | 2,307       |
| 8/23/2011 | 34,933  | 448.3        | 2,601       |
| 8/24/2011 | 32,355  | 542.1        | 2,913       |
| 8/25/2011 | 32,382  | 531.8        | 2,861       |
| 8/26/2011 | 32,218  | 486.9        | 2,606       |
| 8/27/2011 | 33,021  | 313.8        | 1,721       |
| 8/28/2011 | 34,348  | 409.6        | 2,337       |
| 8/29/2011 | 33,355  | 403.7        | 2,237       |
| 8/30/2011 | 33,523  | 382.8        | 2,132       |
| 8/31/2011 | 33,636  | 424.0        | 2,369       |
| 9/1/2011  | 34,528  | 427.3        | 2,451       |
| 9/2/2011  | 35,403  | 448.8        | 2,639       |
| 9/3/2011  | 35,290  | 400.6        | 2,348       |
| 9/4/2011  | 35,612  | 441.2        | 2,610       |
| 9/5/2011  | 35,176  | 457.4        | 2,873       |
| 9/6/2011  | 34,807  | 438.3        | 2,534       |
| 9/7/2011  | 30,308  | 116.2        | 585         |
| 9/8/2011  | 29,506  | 69.1         | 338         |
| 9/9/2011  | 28,835  | 57.4         | 275         |
| 9/10/2011 | 29,577  | 40.1         | 197         |
| 9/11/2011 | 29,824  | 41.2         | 204         |
| 9/12/2011 | 31,012  | 91.0         | 469         |
| 9/13/2011 | 30,838  | 346.4        | 1,775       |
| 9/14/2011 | 30,805  | 333.2        | 1,705       |
| 9/15/2011 | 29,654  | 344.1        | 1,695       |
| 9/16/2011 | 30,495  | 340.2        | 1,723       |
| 9/17/2011 | 30,568  | 391.6        | 1,988       |
| 9/18/2011 | 30,470  | 422.3        | 2,137       |
| 9/19/2011 | 30,541  | 410.4        | 2,082       |

| DATE       | U233 FG<br>MSCFD | U233 Total S<br>ppm | U233 FG SO2<br>lb/d |
|------------|------------------|---------------------|---------------------|
| 9/20/2011  | 31,085           | 387.8               | 2,003               |
| 9/21/2011  | 29,940           | 353.3               | 1,757               |
| 9/22/2011  | 29,517           | 374.2               | 1,835               |
| 9/23/2011  | 30,160           | 432.6               | 2,167               |
| 9/24/2011  | 32,083           | 393.7               | 2,098               |
| 9/25/2011  | 32,955           | 427.2               | 2,338               |
| 9/26/2011  | 33,498           | 512.9               | 2,854               |
| 9/27/2011  | 33,051           | 422.0               | 2,316               |
| 9/28/2011  | 31,823           | 561.7               | 2,969               |
| 9/29/2011  | 32,401           | 463.6               | 2,495               |
| 9/30/2011  | 30,691           | 412.2               | 2,101               |
| 10/1/2011  | 29,692           | 489.1               | 2,412               |
| 10/2/2011  | 29,456           | 488.5               | 2,390               |
| 10/3/2011  | 29,871           | 483.2               | 2,398               |
| 10/4/2011  | 29,720           | 522.2               | 2,578               |
| 10/5/2011  | 29,167           | 532.6               | 2,580               |
| 10/6/2011  | 28,827           | 605.2               | 2,898               |
| 10/7/2011  | 28,370           | 489.7               | 2,307               |
| 10/8/2011  | 27,300           | 254.5               | 1,154               |
| 10/9/2011  | 25,430           | 269.1               | 1,137               |
| 10/10/2011 | 25,829           | 286.2               | 1,228               |
| 10/11/2011 | 24,968           | 303.8               | 1,280               |
| 10/12/2011 | 23,599           | 354.0               | 1,388               |
| 10/13/2011 | 23,411           | 383.8               | 1,492               |
| 10/14/2011 | 26,579           | 586.8               | 2,591               |
| 10/15/2011 | 29,982           | 534.5               | 2,662               |
| 10/16/2011 | 29,376           | 483.6               | 2,360               |
| 10/17/2011 | 27,729           | 465.8               | 2,145               |
| 10/18/2011 | 27,732           | 496.1               | 2,285               |
| 10/19/2011 | 29,011           | 508.3               | 2,449               |
| 10/20/2011 | 29,964           | 438.3               | 2,182               |
| 10/21/2011 | 31,025           | 492.7               | 2,539               |
| 10/22/2011 | 28,850           | 509.8               | 2,443               |
| 10/23/2011 | 28,600           | 555.7               | 2,640               |
| 10/24/2011 | 29,501           | 549.3               | 2,692               |
| 10/25/2011 | 29,834           | 500.4               | 2,480               |
| 10/26/2011 | 28,359           | 526.0               | 2,478               |
| 10/27/2011 | 30,291           | 459.7               | 2,313               |
| 10/28/2011 | 31,011           | 486.9               | 2,508               |
| 10/29/2011 | 30,873           | 504.2               | 2,586               |
| 10/30/2011 | 29,368           | 543.7               | 2,652               |
| 10/31/2011 | 27,763           | 580.3               | 2,676               |
| 11/1/2011  | 28,691           | 641.1               | 3,055               |
| 11/2/2011  | 28,924           | 560.5               | 2,693               |
| 11/3/2011  | 30,478           | 479.8               | 2,429               |
| 11/4/2011  | 29,442           | 437.9               | 2,141               |
| 11/5/2011  | 29,917           | 508.0               | 2,515               |
| 11/6/2011  | 29,664           | 498.5               | 2,456               |
| 11/7/2011  | 29,823           | 432.7               | 2,143               |
| 11/8/2011  | 29,407           | 405.0               | 1,978               |
| 11/9/2011  | 28,961           | 472.0               | 2,271               |
| 11/10/2011 | 28,502           | 459.1               | 2,174               |
| 11/11/2011 | 27,467           | 434.8               | 1,984               |
| 11/12/2011 | 26,954           | 420.3               | 1,882               |
| 11/13/2011 | 27,904           | 430.2               | 1,994               |
| 11/14/2011 | 29,570           | 384.4               | 1,888               |
| 11/15/2011 | 29,441           | 517.3               | 2,530               |
| 11/16/2011 | 28,923           | 533.4               | 2,562               |
| 11/17/2011 | 28,129           | 470.1               | 2,196               |
| 11/18/2011 | 28,393           | 471.3               | 2,223               |
| 11/19/2011 | 29,016           | 506.5               | 2,441               |
| 11/20/2011 | 28,690           | 438.0               | 2,088               |
| 11/21/2011 | 28,827           | 463.4               | 2,219               |
| 11/22/2011 | 27,969           | 424.3               | 1,971               |
| 11/23/2011 | 28,211           | 394.4               | 1,848               |
| 11/24/2011 | 28,334           | 438.9               | 2,066               |
| 11/25/2011 | 27,803           | 421.1               | 1,945               |
| 11/26/2011 | 28,455           | 406.8               | 1,923               |
| 11/27/2011 | 28,162           | 440.0               | 2,058               |
| 11/28/2011 | 27,819           | 515.3               | 2,381               |
| 11/29/2011 | 27,615           | 554.9               | 2,545               |
| 11/30/2011 | 27,420           | 567.4               | 2,584               |

| DATE       | U233 FG | U233 Total S | U233 FG SO2 |
|------------|---------|--------------|-------------|
|            | MSCFD   | ppm          | lb/d        |
| 12/1/2011  | 27,237  | 510.9        | 2,311       |
| 12/2/2011  | 26,843  | 502.7        | 2,241       |
| 12/3/2011  | 26,516  | 431.7        | 1,901       |
| 12/4/2011  | 26,236  | 444.7        | 1,938       |
| 12/5/2011  | 26,377  | 426.4        | 1,868       |
| 12/6/2011  | 26,748  | 399.0        | 1,773       |
| 12/7/2011  | 25,268  | 369.8        | 1,552       |
| 12/8/2011  | 26,568  | 348.8        | 1,539       |
| 12/9/2011  | 27,486  | 339.8        | 1,551       |
| 12/10/2011 | 26,909  | 377.5        | 1,887       |
| 12/11/2011 | 26,686  | 426.4        | 1,890       |
| 12/12/2011 | 26,985  | 438.3        | 1,965       |
| 12/13/2011 | 29,921  | 383.9        | 1,908       |
| 12/14/2011 | 30,279  | 382.9        | 1,926       |
| 12/15/2011 | 29,926  | 363.2        | 1,805       |
| 12/16/2011 | 29,733  | 413.2        | 2,041       |
| 12/17/2011 | 28,670  | 373.8        | 1,842       |
| 12/18/2011 | 30,562  | 392.6        | 1,993       |
| 12/19/2011 | 29,704  | 401.5        | 1,981       |
| 12/20/2011 | 29,596  | 400.0        | 1,966       |
| 12/21/2011 | 28,852  | 391.1        | 1,874       |
| 12/22/2011 | 30,020  | 329.5        | 1,643       |
| 12/23/2011 | 27,989  | 305.7        | 1,420       |
| 12/24/2011 | 25,205  | 336.4        | 1,408       |
| 12/25/2011 | 26,987  | 357.6        | 1,603       |
| 12/26/2011 | 25,602  | 360.3        | 1,532       |
| 12/27/2011 | 25,073  | 384.3        | 1,800       |
| 12/28/2011 | 26,335  | 418.6        | 1,831       |
| 12/29/2011 | 25,906  | 403.8        | 1,738       |
| 12/30/2011 | 24,576  | 436.5        | 1,782       |
| 12/31/2011 | 25,910  | 473.9        | 2,039       |
| 1/1/2012   | 24,917  | 507.2        | 2,099       |
| 1/2/2012   | 24,453  | 473.4        | 1,923       |
| 1/3/2012   | 23,848  | 451.9        | 1,790       |
| 1/4/2012   | 24,199  | 373.6        | 1,502       |
| 1/5/2012   | 24,494  | 364.1        | 1,481       |
| 1/6/2012   | 25,284  | 322.9        | 1,355       |
| 1/7/2012   | 24,877  | 302.1        | 1,248       |
| 1/8/2012   | 25,404  | 385.7        | 1,627       |
| 1/9/2012   | 25,380  | 387.8        | 1,551       |
| 1/10/2012  | 28,270  | 326.9        | 1,426       |
| 1/11/2012  | 26,064  | 297.2        | 1,287       |
| 1/12/2012  | 25,531  | 409.8        | 1,738       |
| 1/13/2012  | 28,121  | 472.7        | 2,051       |
| 1/14/2012  | 27,354  | 453.1        | 2,059       |
| 1/15/2012  | 27,331  | 438.6        | 1,991       |
| 1/16/2012  | 25,291  | 426.9        | 1,794       |
| 1/17/2012  | 25,938  | 422.4        | 1,820       |
| 1/18/2012  | 22,606  | 432.2        | 1,623       |
| 1/19/2012  | 20,952  | 442.9        | 1,541       |
| 1/20/2012  | 22,968  | 451.4        | 1,722       |
| 1/21/2012  | 28,051  | 492.0        | 2,293       |
| 1/22/2012  | 28,179  | 505.8        | 2,367       |
| 1/23/2012  | 27,267  | 501.2        | 2,270       |
| 1/24/2012  | 26,924  | 543.1        | 2,429       |
| 1/25/2012  | 27,984  | 476.0        | 2,212       |
| 1/26/2012  | 29,514  | 371.6        | 1,822       |
| 1/27/2012  | 29,369  | 414.0        | 2,020       |
| 1/28/2012  | 28,786  | 432.6        | 2,067       |
| 1/29/2012  | 26,075  | 470.7        | 2,039       |
| 1/30/2012  | 24,580  | 487.7        | 1,991       |
| 1/31/2012  | 25,811  | 488.8        | 2,096       |
| 2/1/2012   | 27,071  | 549.8        | 2,472       |
| 2/2/2012   | 27,464  | 550.1        | 2,509       |
| 2/3/2012   | 27,543  | 561.8        | 2,570       |
| 2/4/2012   | 28,260  | 549.3        | 2,579       |
| 2/5/2012   | 27,672  | 552.7        | 2,540       |
| 2/6/2012   | 28,248  | 540.0        | 2,534       |
| 2/7/2012   | 29,098  | 512.1        | 2,475       |
| 2/8/2012   | 29,572  | 467.8        | 2,298       |
| 2/9/2012   | 29,530  | 517.8        | 2,540       |
| 2/10/2012  | 27,892  | 535.7        | 2,482       |

| DATE      | U233 FG<br>MSCFD | U233 Total S<br>ppm | U233 FG SO2<br>lb/d |
|-----------|------------------|---------------------|---------------------|
| 2/11/2012 | 27,305           | 581.0               | 2,635               |
| 2/12/2012 | 26,335           | 519.8               | 2,274               |
| 2/13/2012 | 27,105           | 478.5               | 2,155               |
| 2/14/2012 | 26,879           | 543.1               | 2,425               |
| 2/15/2012 | 26,810           | 527.8               | 2,350               |
| 2/16/2012 | 26,548           | 347.9               | 1,534               |
| 2/17/2012 | 25,271           | 329.1               | 1,381               |
| 2/18/2012 | 24,951           | 368.6               | 1,527               |
| 2/19/2012 | 26,582           | 562.3               | 2,483               |
| 2/20/2012 | 25,840           | 493.1               | 2,116               |
| 2/21/2012 | 24,550           | 556.5               | 2,269               |
| 2/22/2012 | 24,852           | 575.8               | 2,377               |
| 2/23/2012 | 25,397           | 568.1               | 2,397               |
| 2/24/2012 | 25,660           | 407.2               | 1,736               |
| 2/25/2012 | 25,788           | 493.7               | 2,115               |
| 2/26/2012 | 24,963           | 508.3               | 2,099               |
| 2/27/2012 | 24,633           | 303.5               | 1,242               |
| 2/28/2012 | 23,777           | 299.4               | 1,182               |
| 2/29/2012 | 24,099           | 488.0               | 1,954               |
| 3/1/2012  | 23,922           | 721.1               | 2,865               |
| 3/2/2012  | 22,787           | 625.6               | 2,368               |
| 3/3/2012  | 23,202           | 663.5               | 2,557               |
| 3/4/2012  | 23,466           | 675.3               | 2,632               |
| 3/5/2012  | 24,540           | 646.6               | 2,636               |
| 3/6/2012  | 24,587           | 638.3               | 2,607               |
| 3/7/2012  | 26,106           | 640.1               | 2,776               |
| 3/8/2012  | 29,576           | 578.1               | 2,840               |
| 3/9/2012  | 30,647           | 480.7               | 2,447               |
| 3/10/2012 | 30,357           | 402.0               | 2,027               |
| 3/11/2012 | 27,786           | 387.7               | 1,789               |
| 3/12/2012 | 26,564           | 349.1               | 1,540               |
| 3/13/2012 | 27,606           | 335.9               | 1,540               |
| 3/14/2012 | 25,633           | 371.8               | 1,583               |
| 3/15/2012 | 25,966           | 447.7               | 1,931               |
| 3/16/2012 | 30,010           | 437.4               | 2,180               |
| 3/17/2012 | 28,829           | 421.8               | 2,020               |
| 3/18/2012 | 26,307           | 463.4               | 2,025               |
| 3/19/2012 | 25,805           | 547.9               | 2,348               |
| 3/20/2012 | 24,897           | 535.6               | 2,215               |
| 3/21/2012 | 26,421           | 514.8               | 2,259               |
| 3/22/2012 | 28,825           | 493.9               | 2,365               |
| 3/23/2012 | 29,079           | 467.1               | 2,256               |
| 3/24/2012 | 28,995           | 442.0               | 2,129               |
| 3/25/2012 | 28,384           | 457.1               | 2,155               |
| 3/26/2012 | 26,924           | 492.2               | 2,201               |
| 3/27/2012 | 25,347           | 508.1               | 2,139               |
| 3/28/2012 | 28,974           | 477.8               | 2,289               |
| 3/29/2012 | 28,145           | 502.4               | 2,349               |
| 3/30/2012 | 28,282           | 498.1               | 2,340               |
| 3/31/2012 | 29,642           | 470.1               | 2,314               |
| 4/1/2012  | 29,799           | 440.0               | 2,178               |
| 4/2/2012  | 29,277           | 477.5               | 2,322               |
| 4/3/2012  | 29,894           | 435.4               | 2,182               |
| 4/4/2012  | 29,816           | 416.9               | 2,065               |
| 4/5/2012  | 29,441           | 393.9               | 1,926               |
| 4/6/2012  | 29,194           | 407.7               | 1,977               |
| 4/7/2012  | 28,517           | 424.0               | 2,009               |
| 4/8/2012  | 29,314           | 384.4               | 1,872               |
| 4/9/2012  | 29,036           | 411.0               | 1,982               |
| 4/10/2012 | 29,951           | 468.2               | 2,329               |
| 4/11/2012 | 29,054           | 428.1               | 2,056               |
| 4/12/2012 | 28,203           | 445.7               | 2,088               |
| 4/13/2012 | 28,028           | 382.7               | 1,762               |
| 4/14/2012 | 28,272           | 318.7               | 1,550               |
| 4/15/2012 | 28,371           | 329.0               | 1,550               |
| 4/16/2012 | 28,798           | 336.7               | 1,611               |
| 4/17/2012 | 28,984           | 319.8               | 1,540               |
| 4/18/2012 | 29,242           | 312.2               | 1,518               |
| 4/19/2012 | 29,511           | 319.7               | 1,567               |
| 4/20/2012 | 28,053           | 332.3               | 1,549               |
| 4/21/2012 | 27,543           | 396.2               | 1,812               |
| 4/22/2012 | 27,273           | 442.1               | 2,003               |

| DATE      | U233 FG | U233 Total S | U233 FG SO2 |
|-----------|---------|--------------|-------------|
|           | MSCFD   | ppm          | lb/d        |
| 4/23/2012 | 27,074  | 447.5        | 2,012       |
| 4/24/2012 | 27,806  | 470.6        | 2,174       |
| 4/25/2012 | 27,362  | 425.6        | 1,934       |
| 4/26/2012 | 27,837  | 410.5        | 1,905       |
| 4/27/2012 | 26,784  | 427.7        | 1,903       |
| 4/28/2012 | 25,291  | 399.9        | 1,680       |
| 4/29/2012 | 24,628  | 409.2        | 1,674       |
| 4/30/2012 | 24,672  | 364.9        | 1,496       |
| 5/1/2012  | 24,929  | 403.4        | 1,670       |
| 5/2/2012  | 25,196  | 368.1        | 1,540       |
| 5/3/2012  | 25,283  | 374.8        | 1,572       |
| 5/4/2012  | 24,868  | 359.7        | 1,486       |
| 5/5/2012  | 22,923  | 376.8        | 1,435       |
| 5/6/2012  | 23,472  | 416.7        | 1,625       |
| 5/7/2012  | 23,352  | 416.7        | 1,616       |
| 5/8/2012  | 23,747  | 388.1        | 1,531       |
| 5/9/2012  | 24,438  | 431.5        | 1,752       |
| 5/10/2012 | 24,409  | 404.0        | 1,638       |
| 5/11/2012 | 24,880  | 381.4        | 1,576       |
| 5/12/2012 | 25,306  | 339.3        | 1,426       |
| 5/13/2012 | 25,646  | 355.5        | 1,515       |
| 5/14/2012 | 26,103  | 290.8        | 1,261       |
| 5/15/2012 | 26,748  | 322.0        | 1,431       |
| 5/16/2012 | 28,983  | 315.0        | 1,412       |
| 5/17/2012 | 27,886  | 304.2        | 1,409       |
| 5/18/2012 | 27,447  | 336.7        | 1,535       |
| 5/19/2012 | 27,261  | 397.7        | 1,801       |
| 5/20/2012 | 28,425  | 383.6        | 1,811       |
| 5/21/2012 | 27,946  | 402.4        | 1,868       |
| 5/22/2012 | 28,531  | 392.2        | 1,859       |
| 5/23/2012 | 27,173  | 355.1        | 1,603       |
| 5/24/2012 | 27,800  | 279.3        | 1,290       |
| 5/25/2012 | 26,695  | 248.2        | 1,100       |
| 5/26/2012 | 25,890  | 298.8        | 1,285       |
| 5/27/2012 | 25,626  | 261.1        | 1,111       |
| 5/28/2012 | 25,853  | 233.6        | 1,003       |
| 5/29/2012 | 26,519  | 264.6        | 1,165       |
| 5/30/2012 | 27,974  | 275.8        | 1,281       |
| 5/31/2012 | 29,488  | 222.2        | 1,088       |
| 6/1/2012  | 30,040  | 234.5        | 1,170       |
| 6/2/2012  | 28,529  | 293.7        | 1,392       |
| 6/3/2012  | 29,191  | 324.3        | 1,572       |
| 6/4/2012  | 28,290  | 351.0        | 1,649       |
| 6/5/2012  | 20,731  | 398.5        | 1,372       |
| 6/6/2012  | 19,313  | 496.4        | 1,592       |
| 6/7/2012  | 21,415  | 391.9        | 1,394       |
| 6/8/2012  | 20,153  | 396.5        | 1,327       |
| 6/9/2012  | 20,280  | 395.3        | 1,331       |
| 6/10/2012 | 21,508  | 529.9        | 1,893       |
| 6/11/2012 | 23,444  | 405.1        | 1,577       |
| 6/12/2012 | 23,426  | 366.6        | 1,427       |
| 6/13/2012 | 24,596  | 398.2        | 1,627       |
| 6/14/2012 | 25,924  | 369.4        | 1,591       |
| 6/15/2012 | 26,626  | 316.9        | 1,401       |
| 6/16/2012 | 25,279  | 311.3        | 1,307       |
| 6/17/2012 | 23,201  | 333.9        | 1,287       |
| 6/18/2012 | 24,892  | 371.7        | 1,537       |
| 6/19/2012 | 25,581  | 400.9        | 1,703       |
| 6/20/2012 | 25,441  | 387.0        | 1,635       |
| 6/21/2012 | 25,095  | 354.0        | 1,476       |
| 6/22/2012 | 24,738  | 330.2        | 1,357       |
| 6/23/2012 | 25,040  | 252.2        | 1,049       |
| 6/24/2012 | 25,150  | 326.2        | 1,363       |
| 6/25/2012 | 25,541  | 346.7        | 1,471       |
| 6/26/2012 | 25,914  | 370.3        | 1,594       |
| 6/27/2012 | 28,154  | 380.2        | 1,652       |
| 6/28/2012 | 26,248  | 393.1        | 1,714       |
| 6/29/2012 | 26,825  | 332.1        | 1,480       |
| 6/30/2012 | 26,241  | 413.1        | 1,801       |
| 7/1/2012  | 28,666  | 395.8        | 1,885       |
| 7/2/2012  | 28,982  | 404.0        | 1,945       |
| 7/3/2012  | 29,046  | 434.8        | 2,098       |

| DATE      | U233 FG<br>MSCFD | U233 Total S<br>ppm | U233 FG SO2<br>lb/d |
|-----------|------------------|---------------------|---------------------|
| 7/4/2012  | 29,709           | 403.2               | 1,990               |
| 7/5/2012  | 29,638           | 379.3               | 1,867               |
| 7/6/2012  | 29,661           | 406.7               | 2,004               |
| 7/7/2012  | 29,149           | 391.3               | 1,895               |
| 7/8/2012  | 28,429           | 334.3               | 1,579               |
| 7/9/2012  | 28,590           | 279.2               | 1,326               |
| 7/10/2012 | 27,864           | 305.9               | 1,406               |
| 7/11/2012 | 27,486           | 339.1               | 1,548               |
| 7/12/2012 | 27,903           | 410.1               | 1,901               |
| 7/13/2012 | 28,625           | 328.9               | 1,564               |
| 7/14/2012 | 27,279           | 407.2               | 1,845               |
| 7/15/2012 | 27,198           | 378.2               | 1,709               |
| 7/16/2012 | 27,250           | 317.8               | 1,438               |
| 7/17/2012 | 27,148           | 374.2               | 1,688               |
| 7/18/2012 | 27,782           | 402.1               | 1,856               |
| 7/19/2012 | 28,102           | 390.8               | 1,824               |
| 7/20/2012 | 28,382           | 390.3               | 1,840               |
| 7/21/2012 | 28,379           | 390.0               | 1,838               |
| 7/22/2012 | 29,039           | 372.3               | 1,796               |
| 7/23/2012 | 30,055           | 368.9               | 1,842               |
| 7/24/2012 | 29,730           | 364.6               | 1,801               |
| 7/25/2012 | 27,547           | 400.7               | 1,834               |
| 7/26/2012 | 27,320           | 412.8               | 1,873               |
| 7/27/2012 | 27,694           | 389.0               | 1,790               |
| 7/28/2012 | 29,403           | 327.1               | 1,598               |
| 7/29/2012 | 28,906           | 348.5               | 1,674               |
| 7/30/2012 | 28,707           | 361.0               | 1,721               |
| 7/31/2012 | 28,680           | 347.9               | 1,657               |
| 8/1/2012  | 27,891           | 375.1               | 1,738               |
| 8/2/2012  | 31,494           | 322.6               | 1,688               |
| 8/3/2012  | 32,095           | 277.5               | 1,479               |
| 8/4/2012  | 31,863           | 293.8               | 1,555               |
| 8/5/2012  | 31,085           | 388.3               | 2,005               |
| 8/6/2012  | 31,473           | 362.6               | 1,896               |
| 8/7/2012  | 31,243           | 361.9               | 1,878               |
| 8/8/2012  | 30,234           | 398.5               | 2,001               |
| 8/9/2012  | 32,896           | 444.8               | 2,430               |
| 8/10/2012 | 33,004           | 385.5               | 2,113               |
| 8/11/2012 | 31,145           | 433.7               | 2,244               |
| 8/12/2012 | 30,629           | 383.9               | 1,953               |
| 8/13/2012 | 30,492           | 409.6               | 2,075               |
| 8/14/2012 | 31,019           | 393.9               | 2,029               |
| 8/15/2012 | 30,839           | 387.0               | 1,982               |
| 8/16/2012 | 30,893           | 428.1               | 2,197               |
| 8/17/2012 | 30,693           | 433.1               | 2,208               |
| 8/18/2012 | 30,440           | 406.2               | 2,054               |
| 8/19/2012 | 30,321           | 401.2               | 2,021               |
| 8/20/2012 | 30,680           | 386.4               | 1,969               |
| 8/21/2012 | 30,754           | 357.5               | 1,826               |
| 8/22/2012 | 31,097           | 327.9               | 1,694               |
| 8/23/2012 | 31,574           | 324.0               | 1,689               |
| 8/24/2012 | 29,239           | 309.2               | 1,502               |
| 8/25/2012 | 25,834           | 291.3               | 1,255               |
| 8/26/2012 | 25,408           | 339.5               | 1,433               |
| 8/27/2012 | 28,534           | 274.5               | 1,301               |
| 8/28/2012 | 25,213           | 354.5               | 1,485               |
| 8/29/2012 | 28,198           | 159.5               | 747                 |
| 8/30/2012 | 25,222           | 20.6                | 86                  |
| 8/31/2012 | 27,639           | 102.4               | 470                 |
| 9/1/2012  | 28,309           | 212.0               | 997                 |

| DATE       | U233 FG | U233 Total S | U233 FG SO2 |
|------------|---------|--------------|-------------|
|            | MSCFD   | ppm          | lb/d        |
| 9/2/2012   | 27,038  | 244.0        | 1,096       |
| 9/3/2012   | 27,550  | 299.7        | 1,372       |
| 9/4/2012   | 29,854  | 391.0        | 1,939       |
| 9/5/2012   | 28,634  | 360.2        | 1,713       |
| 9/6/2012   | 28,078  | 436.2        | 2,034       |
| 9/7/2012   | 28,311  | 428.3        | 2,014       |
| 9/8/2012   | 28,318  | 409.0        | 1,924       |
| 9/9/2012   | 28,949  | 395.1        | 1,900       |
| 9/10/2012  | 28,968  | 353.1        | 1,899       |
| 9/11/2012  | 26,835  | 392.1        | 1,748       |
| 9/12/2012  | 29,708  | 438.8        | 2,165       |
| 9/13/2012  | 28,372  | 439.2        | 2,070       |
| 9/14/2012  | 28,472  | 413.0        | 1,953       |
| 9/15/2012  | 27,277  | 401.0        | 1,817       |
| 9/16/2012  | 27,573  | 401.0        | 1,837       |
| 9/17/2012  | 26,892  | 401.0        | 1,791       |
| 9/18/2012  | 27,723  | 401.0        | 1,847       |
| 9/19/2012  | 27,855  | 401.0        | 1,855       |
| 9/20/2012  | 27,554  | 401.0        | 1,835       |
| 9/21/2012  | 28,194  | 401.0        | 1,878       |
| 9/22/2012  | 28,305  | 401.0        | 1,885       |
| 9/23/2012  | 27,873  | 401.0        | 1,857       |
| 9/24/2012  | 28,646  | 401.0        | 1,908       |
| 9/25/2012  | 28,557  | 401.0        | 1,902       |
| 9/26/2012  | 29,131  | 401.0        | 1,940       |
| 9/27/2012  | 29,178  | 401.0        | 1,943       |
| 9/28/2012  | 29,553  | 401.0        | 1,968       |
| 9/29/2012  | 29,362  | 401.0        | 1,956       |
| 9/30/2012  | 29,186  | 401.0        | 1,944       |
| 10/1/2012  | 32,171  | 401.0        | 2,143       |
| 10/2/2012  | 30,627  | 401.0        | 2,040       |
| 10/3/2012  | 30,901  | 400.7        | 2,057       |
| 10/4/2012  | 30,913  | 374.2        | 1,921       |
| 10/5/2012  | 32,326  | 304.7        | 1,636       |
| 10/6/2012  | 26,367  | 293.3        | 1,285       |
| 10/7/2012  | 24,725  | 407.7        | 1,674       |
| 10/8/2012  | 24,683  | 385.6        | 1,581       |
| 10/9/2012  | 24,223  | 375.3        | 1,510       |
| 10/10/2012 | 24,475  | 423.6        | 1,722       |
| 10/11/2012 | 24,520  | 436.8        | 1,779       |
| 10/12/2012 | 24,336  | 340.9        | 1,378       |
| 10/13/2012 | 24,331  | 365.1        | 1,475       |
| 10/14/2012 | 23,780  | 340.0        | 1,343       |
| 10/15/2012 | 24,110  | 313.3        | 1,255       |
| 10/16/2012 | 25,388  | 307.0        | 1,295       |
| 10/17/2012 | 25,083  | 325.9        | 1,358       |
| 10/18/2012 | 26,119  | 259.2        | 1,124       |
| 10/19/2012 | 23,386  | 256.8        | 998         |
| 10/20/2012 | 19,250  | 285.9        | 914         |
| 10/21/2012 | 17,644  | 176.2        | 516         |
| 10/22/2012 | 19,841  | 35.5         | 117         |
| 10/23/2012 | 23,737  | 32.6         | 129         |
| 10/24/2012 | 24,529  | 181.4        | 739         |
| 10/25/2012 | 24,405  | 340.4        | 1,380       |
| 10/26/2012 | 26,025  | 502.2        | 2,171       |
| 10/27/2012 | 30,900  | 427.2        | 2,192       |
| 10/28/2012 | 28,619  | 382.9        | 1,820       |
| 10/29/2012 | 28,723  | 388.4        | 1,853       |
| 10/30/2012 | 28,384  | 407.1        | 1,920       |
| 10/31/2012 | 26,285  | 420.7        | 1,837       |
| 11/1/2012  | 26,646  | 496.8        | 2,199       |
| 11/2/2012  | 27,235  | 515.4        | 2,331       |
| 11/3/2012  | 26,859  | 460.3        | 2,053       |

| DATE       | U233 FG<br>MSCFD | U233 Total S<br>ppm | U233 FG SO2<br>lb/d |
|------------|------------------|---------------------|---------------------|
| 11/4/2012  | 26,966           | 491.5               | 2,201               |
| 11/5/2012  | 27,273           | 481.4               | 2,181               |
| 11/6/2012  | 27,422           | 512.9               | 2,336               |
| 11/7/2012  | 29,167           | 440.9               | 2,136               |
| 11/8/2012  | 29,439           | 343.7               | 1,681               |
| 11/9/2012  | 29,321           | 365.1               | 1,778               |
| 11/10/2012 | 29,759           | 346.1               | 1,711               |
| 11/11/2012 | 29,631           | 362.4               | 1,784               |
| 11/12/2012 | 26,908           | 417.3               | 1,865               |
| 11/13/2012 | 26,480           | 376.0               | 1,654               |
| 11/14/2012 | 24,863           | 385.3               | 1,591               |
| 11/15/2012 | 25,275           | 380.0               | 1,596               |
| 11/16/2012 | 25,129           | 353.0               | 1,473               |
| 11/17/2012 | 25,567           | 313.4               | 1,331               |
| 11/18/2012 | 26,089           | 330.0               | 1,430               |
| 11/19/2012 | 25,316           | 340.6               | 1,432               |
| 11/20/2012 | 25,088           | 433.5               | 1,806               |
| 11/21/2012 | 24,724           | 386.3               | 1,587               |
| 11/22/2012 | 24,988           | 413.6               | 1,715               |
| 11/23/2012 | 24,465           | 546.1               | 2,219               |
| 11/24/2012 | 25,390           | 543.9               | 2,294               |
| 11/25/2012 | 26,287           | 503.8               | 2,200               |
| 11/26/2012 | 26,716           | 520.4               | 2,309               |
| 11/27/2012 | 26,558           | 500.2               | 2,207               |
| 11/28/2012 | 26,797           | 501.8               | 2,234               |
| 11/29/2012 | 26,376           | 509.0               | 2,230               |
| 11/30/2012 | 26,244           | 425.0               | 1,852               |

**CBE Supplemental Attachment 5**

**Refinery Action Collaborative letter of  
18 December 2013  
(3 pages)**

**R E F I N E R Y**  
ACTION COLLABORATIVE  
  
S A N F R A N C I S C O B A Y A R E A

BY ELECTRONIC MAIL

18 December 2013

Hon. Federal Glover, Chair, and Members of the Board  
Board of Supervisors, Contra Costa County

Hon. Elizabeth Patterson, Mayor, and Council Members  
City Council, City of Benicia

Hon. Nancy Parent, Mayor, and Council Members  
City Council, City of Pittsburg

Hon. Gayle McLaughlin, Mayor, and Council Members  
City Council, City of Richmond

Re: **Chevron Richmond Refinery “Modernization” Project,  
Phillips 66 San Francisco Refinery Rodeo “Propane Recovery” Project,  
Praxair “Contra Costa Pipeline” Project,  
Valero Benicia Refinery “Crude by Rail” Project, and  
WesPac Pittsburg “Energy Infrastructure” Project—Disclosure of  
Refinery Oil Feedstock Quality Among Data for Environmental Review**

Dear local government leaders,

The Refinery Action Collaborative (Collaborative) is a labor-community-university partnership working to address critical environmental health and safety concerns shared by refinery workers and residents regionally. Collaborative members include the Asian Pacific Environmental Network, the BlueGreen Alliance, Communities for a Better Environment, the Labor Occupational Health Program at UC Berkeley, the Natural Resources Defense Council, the United Steelworkers (USW) International Union, United Steelworkers Local 5, and United Steelworkers Local 326.

We understand that the proposed projects identified above are currently in environmental review, including public review of potential environmental health and safety impacts, and that your city or county is the California Environmental Quality Act “lead agency” in this review for one or more of these projects. The Collaborative has not taken a position on the projects at this time. We write to support an adequate environmental review of these

projects that includes, among other factors that have the potential to affect refinery safety and emissions, public disclosure of potential changes in refinery oil feedstock quality.

Our Collaborative's founding principles commit us to "pursue solutions that improve transparency and public accountability in the refinery industry." In a major effort earlier this year, our groups reached consensus on a *Recommendation to Ensure Prevention of Feedstock-Related Emissions Increase*, released in June 2013, that calls for the public disclosure and review of each Bay Area refiner's oil feedstock quality.<sup>1</sup> We also have supported community leaders' call for full and transparent environmental review of all potential risks associated with the Valero Benicia proposal, including its potential to facilitate a change in refinery oil feedstock quality.<sup>2</sup> More recently, we made recommendations to the Governor's Interagency Refineries Task Force that called, among other things, for public reporting of refinery crude feed quality, explaining that:

Disclosure by the refineries of the quality of crude oil entering the plant is necessary for assessing the efficacy of a plant's safety measures and air pollution controls.<sup>3</sup>

As leaders of the public environmental reviews for these proposed projects under the state's Environmental Quality Act, your agencies are positioned to address these needs. Accordingly, we respectfully ask you to ensure that the environmental reviews of these proposed projects will disclose and address current and potentially changing refinery oil feedstock quality among the factors affecting community and worker health and safety.

On Behalf of the Collaborative,

Miya Yoshitani, Executive Director  
Asian Pacific Environmental Network

Charlotte Brody, Vice President for Health Initiatives  
BlueGreen Alliance

Greg Karras, Senior Scientist  
Communities for a Better Environment

Nazima EL-Askari, MPH, Program Coordinator  
Labor Occupational Health Program, UC Berkeley

Diane Bailey, Senior Scientist  
Natural Resources Defense Council

Ron Espinoza, District 12 Sub-Director

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<sup>1</sup> *Bay Area Air Quality Management District Proposed Regulation 12, Rule 15; March 2013 Preliminary Draft Petroleum Refining Emissions Tracking Rule*; comments submitted to Jack Broadbent, Executive Officer, BAAQMD. 13 June 2013. [See page 3](#).

<sup>2</sup> *Supporting the Committee's position on the Valero Crude-by-Rail Project*; letter to the Benicia Good Neighbor Steering Committee c/o Marilyn Bardet. 25 July 2013.

<sup>3</sup> *Initial Response of the Collaborative to the Findings & Recommendations of the July 2013 Draft Report of the Interagency Working Group on Refinery Safety*; 10 October 2013. [See p. 7](#).

United Steelworkers International

Mike Smith, Local 5 Field Rep.  
United Steelworkers Local 5

Moxie J. Loeffler, D.O.  
Internal Medicine Physician



COMMUNITIES FOR A  
BETTER  
ENVIRONMENT



LOHP  
LABOR OCCUPATIONAL  
HEALTH PROGRAM