MOUNTAIN
CEMENT COMPANY

5 Sand Creek Rd.
Laramie, Wyoming 82070
(307) 745-4879 Fax (307) 742-4534

February 14, 2013

Ms. Cara Keslar, Monitoring Section Supervisor
WDEQ – Air Quality Division
122 West 25th Street, 2nd East
Cheyenne, Wyoming 82002

Re: Clarifying Statement for January 18, 2012 Exceedence
Mountain Cement Company, Albany County

Dear Ms. Keslar:

Mountain Cement Company "MCC" is submitting information regarding the exceedence of the ambient monitoring station east of the Mountain Cement Company (i.e. EAST TEOM) for the hours of 0:00-23:00 on January 18, 2012.

Mountain Cement Company contends that the exceedence is not the result of improper operation of its cement plant, and that the exceedence occurred due to all of the reasons contained in the "January 18, 2012 Request for flag under the exceptional event rule for PM-10 ambient monitoring data, submitted June 28, 2012, with additional information sent August 21, 2012.

If there are any questions regarding this statement, please contact me at 307-745-2621.

Sincerely yours,

Mark Andrews

Mark Andrews
Environmental Manager - Mountain Cement Company

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CEMENT COMPANY

5 Sand Creek Rd.
Laramie, Wyoming 82070
(307) 745-4879 Fax (307) 742-4534

August 21, 2012

Ms. Cara Keslar, Monitoring Section Supervisor
WDEQ – Air Quality Division
122 West 25th Street, 2nd East
Cheyenne, Wyoming 82002

Re: January 18, 2012 Request for Flag under the Exceptional Event Rule for PM-10
Supplemental Information Responding to DEQ Letter dated August 13, 2011
Mountain Cement Company, Albany County

Dear Ms. Keslar:

Mountain Cement Company "MCC" is submitting this packet of information in response to a request by the Wyoming Department of Environmental Quality – Division of Air Quality "Division" in its letter dated August 13, 2012. MCC appreciates the time and efforts involved with the temporary "High Wind" flag that was placed on this occurrence and the subsequent advice for additional information to make this flag permanent.

A substantial effort by MCC was put into the June 27, 2012 NEAP packet, especially in the narrative (i.e. 7 pp. preceding the attachments), yet the Division had not commented on the discussions in that narrative. At some point, MCC would like to discuss these elements, as they are quite relevant to the plant's control measures and elements associated with the ambient monitors (TEOMs) located near the cement plant. However, the purpose of this submittal is not to re-hash the elements contained in the narrative of MCC's June 27, 2012, but rather to comply with the Division's request of additional information for determining flagging status of the event.

The following (9) responses for more information requested in the Division's August 13, 2012 are as follows:

1) **Include January 17-19, 2012 monitored data to document the day prior and after the relevant event.**

Response: MCC is attaching the hourly data for both requested days as Attachment No. 1.

2) **To help strengthen the "Clear Casual Relationship" and the "But For" elements required in an Exceptional Event packet, the North TEOM readings and comparisons to the East TEOM should be included. The North TEOM monitor may have true background monitored reading during the event. This may add to**

the weight of the "Assessment of Plant Control of Fugitive Dust Compared to Background" section in the packet.

Response: MCC is attaching the North TEOM readings and comparisons to the East as Attachment No. 2. However, MCC wishes to have a discussion with the Division on what constitutes a "true" background. The Division's assertion that the North TEOM compared to the East TEOM constitutes a determination of MCC's control of fugitives is flawed in many ways. Only if the North TEOM lied of the same vector of both the East TEOM and the exact wind direction, assuming that both North and East TEOMs were situated on MCC property lines, would the assertion hold true. MCC has demonstrated the flawed logic that the Division continues to follow regarding comparisons between the North and East TEOMs.

MCC had given a "more true" definition of background sources, and MCC's contribution to the TEOMs, with its analysis of TEOM readings in which winds cross the plant (225-315 deg) vectors, compared to when winds are coming from other directions, not crossing the plant. This detailed analysis was given on pg. 4-5 of the June 27, 2012 NEAP submittal by MCC, entitled "ASSESSMENT OF PLANT CONTROL OF FUGITIVE DUST COMPARED TO BACKGROUND". This assessment of background accounts for all sources of dust around the East TEOM. While looking at the 225-315 deg sector, MCC had to include other sources between MCC and the East TEOM since it is situated off the property line. MCC urges the Division to look at this section again and prepare comment on how MCC's analysis is not correct.

3) **Drought conditions may have been present during the event. However, reasonable controls at the facility still need to be in place and documented. A description of MCC's reactionary/control measures when the real time PM10 concentration elevated above the ambient standard at the ambient monitor. This should include, but not limited to, facility documentation about; investigation, operational measures, and public notification, or inaction if appropriate.**

Response: MCC supplied the Division with the reasonable controls in place during the event in its June 27, 2012 NEAP submittal. The paragraphs entitled, "CONTROL ELEMENTS INSTITUTED BY MOUNTAIN CEMENT REGARDING DUST CONTROL" on page 4 of the June 27, 2012 NEAP submittal contains all the information requested here.

The investigation for the event began on the preceding day of the event during the daily 3PM staff meeting. During the meeting it was discussed that a storm front was coming the next day, January 18, 2012, and that elevated winds were to be expected (60+mph). This procedure of forewarning plant personnel has been MCC's practice for the past several years. MCC previously made the Division aware of the wind forecast report that is used from on-line sources, and utilized by the plant to prepare for high winds. The plant's "High Wind Events Plan" is then put into action as well as relevant plant activities. Attachment No. 7 of the June 27, 2012 NEAP submittal details operations that occurred on the high wind day.

4) **Detailed descriptions of dust control activity at the facility during this event. Include refined water logs, locations of water applications, dust suppressant application dates and locations. A facility map may make this easier to visualize.**

Response: Water truck field sheets are included as Attachment No. 3 of this document. Mag chloride applications are done twice yearly; the latest prior to the event was done in September 2011 with 240 tons applied, which is normal for the semiannual applications. The previous (Spring application) of mag chloride for 2011 was done in June 2011.

There was a Division air inspection of the plant done at the plant 12 days following the January 18, 2012 event. The result of the inspection is given as Attachment No. 4. This air inspection is a comprehensive review of the plant's status regarding air emissions, and compliance, and is conducted semiannually. It should be noted that the plant was not seen as being noncompliant, or lacking in housekeeping less than two weeks after the event. TEOM readings support that, outside the hours in which excessive winds occurred and incongruent readings were found, the plant did not contribute excessively to the TEOMs readings of PM-10.

5) **The AQD has stated that the microscopy study used by MCC does not provide specific event data for one date. The microscopy data submitted with the January 18, 2012 Exceptional Event package was collected and processed after March 26, 2012. The AQD has questions and concerns about this type of evaluation as noted in the Division's July 25, 2011 letter.**

Response: MCC is well aware of the Divisions concerns regarding the microscopy filter analysis, and is also aware that it doesn't pertain to the three-hour period in question with the June 18, 2012 event. However, MCC had included it as it was the latest result to show that it is a matter of fact that larger than PM10 particles are entering the TEOMs and being read. MCC has retained an expert in the field of microscopy that has been used as an expert witness for analysis of TEOM data interpretation. The repeated results should be of some value to the Division related to the function of the TEOMs for which MCC is being regulated.

6) **The last page of Attachment No. 2 has April 19, 2008 data from AQD's Murphy Ridge site. Please remove or state the relevance to your Exceptional Event.**

Response: It is unclear to MCC how this page was inserted into the Exceptional Event submittal; please remove it from your copies, and we will do the same. We apologize for this error.

7) **Thoroughly describe and label the graph included in Attachment No. 5. The PM10 historical background data is a vital element of the Exceptional Event packet and should be highlighted.**

Response: A revised Attachment No. 5 graph is included as Attachment No. 5 to this submittal. Please use the enclosed graph as a replacement for the original Attachment No. 5.

The purpose of the chart shown in Attachment No. 5 was to illustrate that while reviewing the data covering first quarter TEOM readings for 2010, 2011, and 2012 (6,503 hours off data), we found nine hours in which the PM-10 ug/m^3 TEOM readings were incongruent with other data. We selected to review solely first quarter data, as it appears that strength of wind is seasonal in nature. Also, operations at the cement plant are likewise seasonal, with most activity occurring during the high shipping months of May-October.

The chart in Attachment No. 5 clearly shows that the East TEOM experienced unusually high readings for 9 of the 6503 hours observed. A detail of these abnormal readings, with sustained wind speed and wind gust data for the 1/18/2012 high wind event are given here:

ug/m^3 PM-10	Date	Time	Wind (MPH)	Gusts(MPH)
1877.6	03/26/12	1300		
1384.8	03/26/12	1400		
845	01/18/12	0500	36.8	50.6
823.4	01/13/12	1400		
583.2	01/18/12	0400	41.4	59.8
555	02/13/11	0900		
423.7	01/21/12	1000		
412.9	01/18/12	0300	33.4	49.5
404.4	01/18/12	0200	24.2	36.8

It should be noted that of the nine outliers found in the data review of 6503 hours, four of the them occurred on January 18, 2012; all of which occurred during periods in which high winds were encountered through MCC's cement plant. It should also be noted that the elevated readings occurred mainly in 2012, with one exception, which correlates to the 2012 draught conditions experienced in southeastern Wyoming.

MCC filter analyses also repeatedly show that greater than PM-10 are found on the TEOM filters. Although it is not possible to prove for which hours the larger particles are entering, it stands to reason that the likelihood that larger, heavier particles would overcome the filter head's venturi at higher wind speeds, thus leading to erroneously higher PM-10 values.

8) **Attachment No. 7 includes specific facility data. It is in MCC's best interest to provide descriptions of these activities so that citizens and AQD staff as well as EPA staff with limited knowledge of the facility can understand the packet and scientific connections.**

Response: MCC will break down the elements of the original Attachment No. 7 here, and describe to the lay person how each element is relevant to plant operations and related to the high wind event that occurred on January 18, 2012. The original text of Attachment No. 7 will

appear in italics, followed by a brief description detailing the text will be provided after each paragraph.

> *On the day of January 18, 2012 Mountain Cement Plant enacted its High Wind Event Plan in response to weather conditions where the daily average wind speed was 27.81 mph (max. 61.7 mph maximum winds). A high wind advisory was given to plant managers and supervisors on the preceding day, to plan plant operations and maintenance accordingly.*

Detail: MCC has designed and published a "High Wind Event Plan" (Attachment No. 6) in February 2009, which is utilized by the plant whenever there are extraordinarily high winds. Plant supervisors have been trained on the plan and all its elements. The "high wind advisory given to plant mangers and supervisors on the preceding day" is a reference to the common plant process of twice daily reporting on the status of the ambient monitors as well as reporting on the current and projected weather forecasts regarding wind. These announcements are made at both the morning (6:30AM) and afternoon (3:00PM) staff meetings in which all managers and supervisors attend (12-15 attendees). The status of the ambient monitors and weather-related conditions are reported by the Environmental Manager, and in his absence the plant's production supervisor. Several plant managers and supervisors have access to current ambient monitoring readings via a website connection.

> *Plant water applications were more than quadrupled the average daily rate. Plant watering of roadways totaled 62,000 gallons, compared to a yearly average daily rate of 11,169 gallons per day.*

Detail: Part of MCC's fugitive dust control operations involves the use of water, sprayed throughout the plant by a 4,000 gallon water tanker truck. The truck has a gravity fed water spray that creates about a 15 foot wide spray of water behind it as it travels over plant roadways. Watering during sub-freezing temperatures is disallowed, as it creates a potential serious safety concern. The cement plant is regulated by the US Mine Safety and Health Act "MSHA", and has in the past been cited for allowing frozen puddles to form around the plant, as in their minds this creates a potential "slip and fall" hazard for workers. The MSHA inspectors demand that any surface ice is covered by sand, which potentially creates an ambient dust problem with the plant.

The extra effort of plant watering during the January 18, 2012 high wind event was done in an effort to mitigate potential dust from plant traffic. However, the sub-freezing temperatures during the 2-5A, along with the sub-freezing temperatures of January 17, 2012 (Attachment No. 7) limited the amount of water that could have normally been used for dust control. During the high wind event the plant was undergoing an MSHA inspection, which had federal inspectors on-site. Any watering on the January 17, 2012 would have resulted in potential unsafe conditions and certainly involved enforcement actions by MSHA. Regardless of MSHA's presence at the plant, MCC would not have created unsafe conditions at the plant in efforts to better control potential dust; and would not have laid down water during January 17, 2012.

Baghouse dust sales pickups were suspended for the day.

Detail: Most of the dusts collected by the plant's cement kilns are directly re-circulated either back into the kilns as raw feed, or into the finish mills where it is incorporated into cement. A small portion is sent to a holding bin, and transferred into cement-type trucks. This practice is commonly referred to as "baghouse dust sales". The sale of baghouse dust is not vital to the plant's operations, unlike cement sales; so it is possible to hold off these operations if the plant is experiencing high winds. It is not practical, or reasonable to "hold off" shipments of cement trucks, as they are vital to a cement plant's existence. Having readily available cement is paramount in the operation of a successful cement business.

Outside clinker storage transfers were suspended for the day, and all doors of the clinker storage building were closed.

Detail: MCC has, as part of its Title V Operational Permit, a temporary outside storage of clinker. This clinker pile is not dusty as it is weathered and was also treated with dust suppression when the pile was built. However, there is some fugitive dust generated when the pile is being worked "reclaimed". The operation is not necessary 24/7; so during high winds, the movement of clinker from the outside pile to the inside storage building is suspended.

Non-essential maintenance activities involving outside work or use of plant vehicles were suspended for the day.

Detail: General plant traffic can be a source of fugitive dust, as well as certain maintenance operations occurring on belt lines, baghouses, and other equipment located outside. During high winds the plant curtails any unnecessary outside operations both for safety reasons as well as minimizing potential dust generation.

The plant's kiln operations were normal, with no upsets or exceedences of permit limits or visible emissions noted during daily USEPA Method 22 inspections.

Detail: There were no upsets, or exceedences to plant monitors that would have contributed to elevated readings of the ambient monitors on January 18, 2012. The "daily USEPA Method 22" observations are a mandated monitoring program where the entire plant is visually inspected looking for excessive dust emissions coming from plant dust collectors as well as general areas where fugitive dust might be found.

The plant shipments of product (bulk cement) amounted to 1754.93 tons, this is a normal amount of plant shipments during non-peak times. Summer month shipments are typically 3,000 – 4,000 tons per day, or 75-100 bulk cement trucks.

Detail: This was added just to show the reader that nothing out of the ordinary occurred during the high wind event in terms of excessive truck traffic, or excessive sales. The 50+mph winds

experienced during January 18, 2012 was solely the cause of the elevated PM-10 readings on the ambient monitors.

9) **A detailed description explaining Attachment No. 12 and how it can add to the "weight of evidence" approach.**

Response: This was added as supporting documentation for Attachment No. 8 and the discussion given in the paragraph entitled "ASSESSMENT OF PLANT CONTROL OF FUGITIVE DUST COMPARED TO BACKGROUND" in which a compelling case is made comparing wind speeds and ambient dust loadings during winds directions crossing the plant, as well as wind directions in which the plant can be excluded. This paragraph is essential in understanding the elements involved with the way the plant is being regulated concerning fugitive dust and ambient monitoring issues.

As previously offered, the plant is will to share this raw data with the Division to better understand all the factors involved in ambient monitoring around the plant.

Mountain Cement Company has no problem with either EPA or the general public viewing the content of this packet, or any other submissions previously made.

If you are in need of any more information regarding this submittal, please feel free to contact Mark Andrews, Environmental Manager at (307) 745-2621.

Sincerely yours,

Phil Lane
Plant Manager
Mountain Cement Company

Attachments

Cc:
Mr. Glenn Spangler – WDEQ-AQD, with attachments
Mr. Robert Gill – WDEQ-AQD, with attachments
USEPA Region VIII, with attachments
MCC file, with attachments

LIST OF ATTACMENTS

ATTACHMENT NO.	DESCRIPTION
1	Table 4-6 MCC East TEOM PM-10 hourly averages Table 4-12 MCC North TEOM PM-10 hourly averages
2	MCC Summary Table comparing East and North TEOM readings
3	MCC Water Truck field sheets and map showing plant route
4	January 30, 2012 Air Quality Division Inspection Report – FY 2012-1
5	Revised MCC Graph of East TEOM – 1Q2010-2012
6	MCC High Wind Events Plan
7	Laramie Weather Conditions from www.wunderground.com 1/17-19/2012

CHAPTER 6, SECTION 3 (MAJOR SOURCE) OPERATING PERMITS: The facility currently operates under air quality Operating Permit No. 3-1-098-1 issued December 26, 2007. This permit expired on June 2, 2008. A renewal application was received by the Division on November 6, 2007. Currently, the permit is under review.

Annual Compliance Certifications: Operating Permit 3-1-098-1, condition C1 (a) requires the submittal of annual compliance certifications for the facility by January 31st each year. As of the date of this inspection report, the Division has not received the 2011 Annual Compliance Certification.

Semi-annual Monitoring Reports: Per Operating Permit 3-1-098-1, condition F24 (a) requires the submittal of semi-annual reports for the facility by January 31st and July 31 of each year. The 2011-1 semi-annual report was received on July 20, 2011 and the 2011-2 semi-annual report was received by the Division on January 30, 2012. As of the date of this inspection report, the second semi-annual report for 2011-2 has not been reviewed. Any concerns were noted outside of the inspection report.

SO_2 Emission Inventory Reports: Per Operating Permit 3-1-098-1, condition F30 (c) (i) requires the submittal of sulfur dioxide emissions inventory reports for the facility by April 15th of the following year. Since the date of the last annual facility inspection, the facility has submitted SO_2 monitoring reports for 2011 on January 4, 2012. Any comments or concerns were handled outside of this inspection report.

CONTINUOUS EMISSIONS MONITORING: The facility operates continuous opacity monitoring systems (COMS) on the following emission sources: Kiln #1, Kiln #2, Clinker Cooler, and Combined Clinker Cooler Stack. Continuous Emission Monitoring Systems (CEMS) are utilized on the following emission sources or processes: the Kiln #1 baghouse (SO_x, NO_x, and inlet temperatures) and the Kiln #2 baghouse (SO_x, NO_x, and inlet temperatures). Note: The Kiln #2 ESP was removed from service on October 17, 2007 and replaced with the new Kiln #2 baghouse. Also, MCC reported the Kiln #1 COMS was replaced on May 2008.

The following table indicates status of CEM/COMs monitoring reports received and when the report was reviewed. Any concerns were noted outside of this inspection report.

Table 1: CEM/COM MONITORING REPORTS

CEM Quarter	RECEIVED	REVIEWED	COMPLETE
2011-1	August 11, 2011	August 18, 2011	Complete
2011-2	August 11, 2011	August 18, 2011	Complete
2011-3	November 2, 2011	November 21, 2011	Complete
2011-4	*	*	*

*As of the date of this inspection report, the Division has not received the report(s).

AMBIENT MONITORING: Mountain Cement Company currently operates and maintains an ambient monitoring network and meterological station to monitor compliance with the ambient PM_{10} standards in Chapter 2, Section 2 of the WAQSR. The monitoring network currently consists of

three PM_{10} samplers. A co-located TSP monitor (sampler 1) was removed in March 2004 with the Division's approval. Mountain Cement Company stated that reports for Ambient Monitoring were sent to the Division for the first, second, and third quarters for 2011. Hard copies were sent to the Division on June 6th, August 31st, and December 2, 2011, respectively, and electronic copies were sent to the Division on May 31, August 29, and November 30, 2011, respectively. Any concerns were noted outside of the inspection report.

On January 18, 2012, MCC reported to the Division via email to Ambient Monitoring Supervisor, Amber Potts, an exceedance of PM_{10} occurred with results of 171 mg /m3. This deviation was not addressed as part of this inspection report.

2011 EMISSION INVENTORY: Per the requirements of WAQSR Chapter 6, Section 3, MCC is required to submit an annual emissions inventory for the facility for the previous year. The Division has not received the 2011 annual emissions inventory. The emission inventory is not due until March 1, 2012.

INSPECTION OBSERVATIONS: Cloud skies on Monday, January 30, 2012, the temperature for the day was chilly and began at 35°F with wind gusts up to 24 mph, SW. I arrived at the facility at approximately 9:00 A.M. to conduct an inspection at Mountain Cement Company (MCC) in Laramie, WY. I was met in the facility office by Mr. Mark Andrews, Environmental Manager. To begin the appointment, the Division conducted a pre-inspection meeting.

Pre-Inspection Meeting: I reviewed the planned inspection goals and obtained information about the plant operating status and any ongoing activities. Items discussed during the pre-inspection meeting are described below.

Status of Facility Operations: At the time of the inspection, the following were operating: Kiln #2 and Kiln #2 Raw Mill. Both Kiln #1 and Kiln #2 are reportedly scheduled for maintenance outages in April 2012. The purpose of the outage is to perform maintenance on the kiln brick, burners, and chain. The wood fuel conveyor in the clinker storage building and the drop tube in the clinker storage building were not operating.

Currently, MCC is having coal delivered from the Arch of Wyoming, Carbon Basin Mines near Elk Mountain, Wyoming but is looking into other possible companies such as Arch Black Thunder Coal out of Wright, WY. MCC reported the coal as-received heat content to be 14,000 Btu/lb. Coal delivery is made by truck only. PetCoke is also delivered to the facility from Frontier usually by truck. However, the last train delivery was made in January of 2012.

MCC reported the facility water truck applies water to the plant haul roads and paved areas daily unless rain or freezing weather occurred. In 2011, approximately 3,040,000 gallons was applied to areas of quarries, limestone quarries, shale quarries, main plant, work areas, access roads and haul roads. MCC stated that, approximately, 734,000 gallons have been applied from January 1, 2012 through January 26, 2012 to unpaved plant roads, work areas, and haul routes where mobile equipment operate. MCC reported the weather during the month of January has been warmer than usual and extremely windy so the company has been overly caution with the water usage.

Magnesium chloride (MgCl) is applied twice a year. The second application for 2011 was applied in September. During that application 240 tons were applied to the main plant, 101 tons were applied to limestone quarries, and 153 tons were applied to the shale quarries. The first application for 2012 is anticipated to be laid in spring of 2012 roughly around May. MgCl had also been applied to the haul roads and access routes to the active quarries as well as to Sand Creek Road. During the inspection the Division noted the water truck operating around the main plant.

Facility Construction and Modification Activities: The status of plant activities related to recent air quality permits and waivers were reviewed.

Permit Waiver MD-11739 (issued on July 15, 2011) in conjunction with AP-9298 (issued on April 29, 2009): The waiver was issued to modify operations of Finish Mill B and C, removing the existing Finish Mill C baghouse, and installing a new 11,090 scfm baghouse.

Condition 1 (AP-9298) requires MCC to submit to the Division notification of start-up.

- MCC sent in notification of start-up in August 5, 2009.

Condition 3 (AP-9298) requires MCC to conduct performance testing on Finish Mill "C" baghouses (F-641, F-636, and F-631) within thirty (30) days of achieving maximum design rate but not later than ninety (90) days. Initial performance testing is required for PM emissions, using EPA Reference Methods 1-5, and opacity emissions, following requirements of Chapter 5, Section 2(i) of WAQSR. If no visible emissions are observed during opacity testing, the opacity test can be used in lieu of particulate emission testing as a demonstration of compliance with particulate emissions limit in Condition 5. Condition 5-9 (MD-11739) requires MCC to conduct performance testing on Finish Mill "C" baghouses (F-641, F-636, and F-631) within thirty (30) days of achieving maximum design rate but not later than ninety (90) days. Initial performance testing is required for PM emissions, using EPA Reference Methods 1-5, and opacity emissions, following requirements of Chapter 5, Section 2(i) of WAQSR. If no visible emissions are observed during opacity testing, the opacity test can be used in lieu of particulate emission testing as a demonstration of compliance with particulate emissions limit in Condition 9.

- Per AP-9298, MCC stated that notice of performance testing was sent to the Division on October 6, 2009. A copy of the results was sent to the Division on October 28, 2009. MCC reported no visible emissions were detected.

- On July 21, 2011 MCC requested approval to allow the submittal of prior initial performance testing results from October 26, 2009 in place of conducting initial compliance testing as required per permit MD-11739 for the following emission sources:

ID	Emission Unit
F-776	Finish Mill "C"
F-641	Finish Mill "B" Feed
F-636	Finish Mill "B" Discharge
F-631	Finish Mill "B" Vent

The testing was performed per AP-9298, condition 4iii, on the baghouse exhaust stacks after modifications made to the finish milling system. On January 27, 2012 upon review of the information submitted to the Division by MCC on January 12, 2012, testing performed on October 26, 2009 for the sources listed above indicated satisfactory opacity testing as required per AP-9298, condition 4iii. Therefore, the Division accepted the prior results as demonstrating compliance with condition 6i of permit MD-11739.

Condition 10 (MD-11739) requires MCC to conduct at minimum daily visual emissions at the baghouse & bin vents listed as F776, F641, F636, and F631. Records of daily observations and any resulting corrective actions shall be kept and maintained for a period of at least five (5) years.

- Records for the daily, Method 9 visual observations were requested and provided for review by MCC. Records were available from July 1, 2011 through January 29, 2012.
- No concerns were noted for the records reviewed.

Permit Waiver AP 12398 (issued on September 13, 2011): The waiver was issued to allow other sources of iron bearing material to be utilized in the raw feed at the Laramie Cement Plant.

Condition 3 requires MCC to notify the Division of start date of the use of other sources of iron bearing material in the kilns within fifteen (15) days of such date.

- On January 30, 2012, MCC reported that as of the date of the inspection no new source of iron bearing material has begun being utilized at the plant.

Temporary Waiver AP 9477 (issued on July 24, 2009): The waiver was issued to conduct a three (3) month test burn to determine the viability of burning biofuel (wood chips) in the #1 and #2 Kiln at the Laramie Cement Plant. On May 5, 2010 waiver AP-9477 was superseded with the issuance of Waiver MD-6642A to allow the use of biofuel (wood chips) as part of the fuel mixture in Kiln #1 and Kiln #2.

Condition 5 requires notification of actual date of initial startup is required 15 days after startup in accordance with Chapter 6, Section 2 (i) (ii) of the WAQSR after the use of biofuel (wood chips) as fuel for the kilns.

- On August 13, 2010, MCC sent the Division notice of startup of operations for biofuels for Kiln #2 to be July 28, 2010.

- On May 17, 2011, the Division received written notification for Kiln #2 stating that the startup of operations of biofuel supplements (wood chips) used to plant's fuel supplies began on September 1, 2011. On May 25, 2011, the Division called MCC to clarify startup date and to request submittal of a new written notification to reflect the correct startup date for Kiln #1. On May 17, 2011, the Division received another written notification to reflect the correct startup date for Kiln #1 to be September 1, 2010.

Condition 6 requires MCC to track and to keep records of percent (%) of biofuel (wood chips) used and petroleum coke used in the coal/petroleum coke/biofuel mixture burned in Kiln #1 and Kiln #2, and to track and to record the amount of coal petroleum coke/biofuel used as fuel each year.

- MCC reported the following have been used from January 1, 2012 through January 26, 2012:

Table 2: Reported Fuel Consumption for Kilns			
Source	coal	coke	biofuel (woodchips)
	Tons		
Kiln #1	1,326	1,078	0
Kiln #2	4,681	1,291	0

Condition 7 (c) requires emissions from the sources (Kiln #1 and Kiln #2) to be determined using EPA Methods 1-5, 10, and 25 for PM/PM 10, CO, SO_2, NO_x VOC, Fluoride and lead.
•Under the temporary waiver AP-9477, stack tests were performed on September 29-30, 2009 to comply with the temporary waiver. Performance testing for both the restart of biofuels and previously permitted petroleum coke was done on both kilns during a testing campaign from December 1-17, 2010 and again on October 12, 2011. Any concerns regarding results will be noted outside of the inspection report.

Condition 9 requires MCC to store biofuel within a 3-sided enclosure, which includes a cover, to control fugitive emissions.

•MCC reported as shown in Table 2 that no biofuel has been used.

Permit Waiver MD-9022 (issued on April 12, 2010): The waiver was issued to acknowledge the temporary outside storage of 40,000 tons of clinker, with a potential for another 125,000 tons of clinker added to the temporary storage.

Condition 5 requires MCC to limit the combined sized of the temporary outside clinker storage piles to 165,000 tons of clinker. During the calendar year of 2010, MCC is authorized to add no more than 125,000 tons of clinker to the temporary outside clinker storage piles. Beginning January 1, 2011 or after 125,000 tons of clinker has been added to the temporary outside clinker storage piles, whichever comes first, clinker shall not be added to the temporary outside clinker storage piles.

•During the August 10, 2011 inspection, MCC reported that there is approximately 96,000 tons of clinker currently occupying the temporary outside clinker storage pile. During the inspection, MCC reported that the piles had not been touched after stockpiled.

•On January 30, 2012, MCC reported that the temporary outside clinker storage pile (south pile only, west toe) moved to the inside clinker storage building. MCC reported approximately 5,000 tons moved. The temporary outside clinker storage piles now consist of 91,000 tons. MCC reported these results verbally. No records were made available to review to verify the verbal report.

Condition 6 requires MCC to remove the clinker storage piles within five (5) years. Condition 7 requires MCC to follow the Operational Plan for handling and storage of cement clinker outside (the plan was attached to MD-9022 labeled as Appendix A) for active work areas associated with the temporary outside clinker stockpile(s). Condition 10 requires MCC to keep and to maintain records of the size of the temporary outside clinker stockpiles, throughput of the temporary outside clinker

storage pile, type and amount of treatment/control applied to the active and inactive temporary outside clinker storage piles, and location and dates of temporary clinker storage pile activity.

•During both the 2011-1 and 2011-2 inspections, MCC reported that the clinker pile depletion rate depends on demand. Since reclamation activities had not begun for the 2011 year, MCC would be constructing records to track depletion and other activities for future use of the temporary outside clinker storage pile. During the 2011-2 inspection, MCC verbally reported to the Division that records should be constructed by December of 2011 to track the activities required in the permit. The Division supplied a recommendation for this issue and can be viewed in the "RECOMMENDATIONS FOR IMPROVEMENTS" in both the 2011-2 and 2011-1 Inspection Reports.

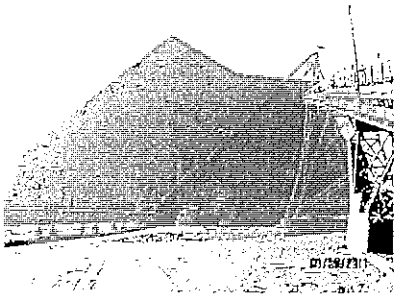
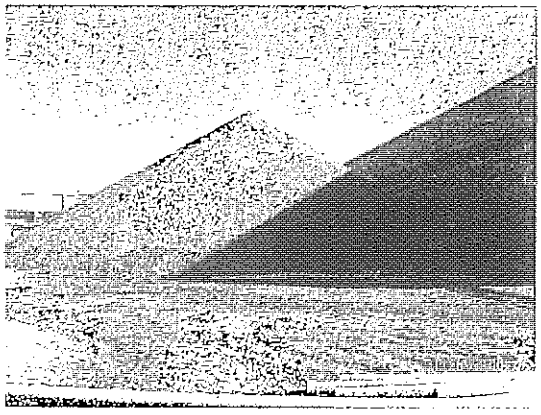


Figure 1: MCC-Laramie Plant-photograph showing clinker storage building (01/28/2011, CJM).

•During the inspection on January 30, 2012, MCC verbally reported that the temporary outside clinker storage pile (south pile only, west toe) moved to the inside clinker storage building (refer to Figure 1). MCC is required in permit MD-9022, to record the following:

- •size of the temporary outside clinker stockpiles
- •throughput of the temporary outside clinker storage piles
- •type and amount of treatment/control applied to the active and inactive temporary outside clinker storage piles
- •location and dates of temporary clinker storage pile for each activities

MCC verbally reported to the Division that approximately 5,000 tons were moved; the temporary outside clinker storage piles now consist of 91,000 tons; and approximately 3,400 gallons of shotcrete had been applied to the south pile, west toe, on January 26, 2012 to help control fugitive dust. No records were made available to review to verify the verbal report regarding the stockpiles depletion and/or movement.



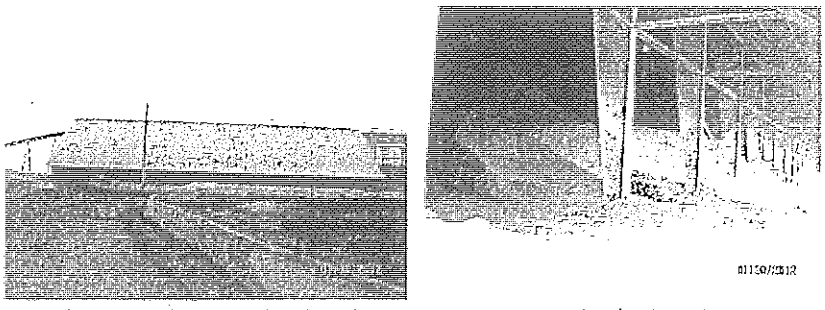
Figures 2-3: MCC-Laramie Plant-photographs showing temporary clinker storage piles south and north of the

clinker storage building (08/11/11 and 01/28/11, CJM). No current picture was taken during the 01/30/12 inspection. However, these photos do not show the depletion that occurred. The south pile picture, the west toe is the pile area closest to the clinker storage building.

Facility Records Review: The following section provides a brief summary of the facility records review conducted during the 2012 bi-annual inspection under Operating Permit 3-1-098-1.

Kiln Fuel and Feed: Condition F6 (a) limits raw material used to limestone, shale, silica, iron ore, mill scale, and spent alumina catalyst (SAC). Condition F6 (a) (ii) the maximum amount of iron ore and mill scale is limited to 25,000 TPY.

- MCC reported from April 1, 2011 through January 26, 2012 tons per year (TPY) amounts for mill scale to be 15,353 tons (refer to figures 4-5 showing raw material storage area). It was also reported that no iron ore was use and there is no spent alumina catalyst (SAC) used at the facility.



Figures 4-5: MCC-Laramie Plant-photographs showing raw storage area (01/30/12, CJM).

Condition F6 (b) fuel used for the Kiln #1 and Kiln #2 is limited to coal, coke, or natural gas.

- MCC reported from April 1, 2011 through January 26, 2012 that fuel used for the Kiln #1 and Kiln #2 included coal, coke, or natural gas. MCC reported for both Kilns fuel usage to be the following:

Table 3: Reported Fuel Consumption for Kilns

Source	Natural Gas	Coal	Coke	*Wood
	MMBtu	Tons	Tons	Tons
Kiln #1	7,963	15,652	12,213	0
Kiln #2	18,392	52,809	10,978	719

*Biofuel heat input is 5400 lb/Btu.

(1) Required in 3-1-098-1, Condition F6(a)

(2) Required in AP-9477, Condition 6

Emission Source Testing: Condition F9 requires emission testing for Spent Alumina Catalyst (SAC). During the bi-annual inspection, MCC stated that SAC is not used at the facility. Due to SAC not being used, the Division did not view any records of TCLP analysis for total metals from each source prior to shipment to the facility.

Per condition F8, MCC is required to perform the following source emission testing & also included below is the up-to-date testing information:

Table 4: Emission Source Testing per Operating Permit 3-1-098-1						
Source	Emission	Last Test Date	Performed By	Anticipated Test Date	Frequency required by Permit	Notes
#1 Kiln stack	PM	December 14-17, 2010	AirTech	2014	F8 (a) at least once every 5 years	
Combined stack for clinker coolers #1 and #2	PM	April 26, 2007	WEST	April 2012	F8 (a) at least once every 5 years	
#2 Kiln Stack	PM	October 13, 2011	AirTech	2012	F8(b) at least annually	(1) December 2010-compliant; 2011 test results were never received
#1 Kiln stack	D/F	December 14-17, 2010	WEST	June 2013	F8(d) every 30 months	
#2 Kiln Stack	D/F	May 12, 2010	WEST	February 2012	F8(d) every 30 months	*March 27, 2009 failed; rescheduled for December 2011 failed
In addition to Table 1 in Permit 3-1-098-1; coal/iron ore, mill scale, CKDS point, Kiln #1 feed transfer, each raw material, clinker, finish product storage bins, conveying system, bagging system, bulk loading and unloading system	Opacity	August 3, 2009	WEST	2014	F8(g) every 5 years	

(1) Email dated February 27, 2012 from MCC reported that there was a miscommunication with the stack test company regarding the release of Kiln 2 stack test results. MCC received them the week of 2/20/12 and will stack test results into DEQ.

**Note: The Division reserves the right to require testing as provided under condition G1 of the operating permit.

*During the 2012-1 inspection, MCC reported that the Kiln #2 stack test failed in March 2009 and December 2010. MCC reported that the company is not sure if the material is what is causing the emission testing to fail. Therefore, MCC has been manipulating the material to determine where the issue is and why the emission testing has been continuing to fail (refer to Appendix B to view the results).

Per MD-6642A, condition 7 (b & c), MCC is required to perform the following source emission testing & also included below is last test date:

Table 4A: Emission Source Testing per Operating Permit MD 6642A					
Source	Emission	Last Test Date	Performed By	Anticipated Test Date	Frequency required by Permit
#1 Kiln Stack	$PM/PM_{2.5}/PM_{10}$, CO and THC	December 1-2, 2010	AirTech	May 2012	Per Appendix A in permit
#2 Kiln Stack	$PM/PM_{2.5}/PM_{10}$, CO and THC	December 1-2, 2010	AirTech	May 2012	Per Appendix A in permit

**Note: The Division reserves the right to require testing as provided under condition G1.

- Currently, MCC appears to be up-to-date with testing requirements.

Permit conditions F14(a)(i) – (iii) and F18 requires MCC to conduct and keep records of daily 6-minute Method 22 visual observations for visible emissions from the four "A" and "B" mill baghouses (F-531, F-641, F-631, and F-636).

- Records for the daily 6-minute, Method 22 visual observations were requested and provided for review by MCC. Records were available from July 2011 through January 29, 2012.
- During the August 11, 2011 inspection, MCC supplied the Division with a copy of new records that will be implemented for both the Method 9 and Method 22 testing requirements by February 2012 (refer to Appendix B of the 2011-2 inspection). The Division noted time/date/place/visual observation/by who would be indicated on the records. No concerns were noted with the tentative records that would start being used in February 2012.
- During the January 30, 2012-1 inspection, current records being used, not the ones that were discussed during the August 2011 inspection, reported observation information as required in operating permit. The Division noted no concerns during reviewing.

Permit conditions F14(b)(i) – (iii), F18, P63-LLL3(b), and P63-LLL6 requires MCC to conduct and keep records of daily 1-minute Method 22 visual observations for visible emissions from all remaining baghouse control devices at the plant.

- Records for the daily 1-minute Method 22 visual observations were requested and provided for review by MCC. Records were available from July 2011 through January 29, 2012. Records did not reflect what is required per Method 22 and Method 22-like observations, section 11.2 and 11.5. However, during the August 11, 2011 inspection, MCC supplied the Division with a copy of new records that will be implemented for both the Method 9 and Method 22 testing requirements by February 2012 (refer to Appendix B of the 2011-2 inspection). The Division noted time/date/place/visual observation/by who would be indicated on the records.

Condition 17 requires records to be maintained of the amount of water and dust suppressant applied and road surface maintenance performed to achieve compliance with conditions F1(b) and F1(c) and F2(c).

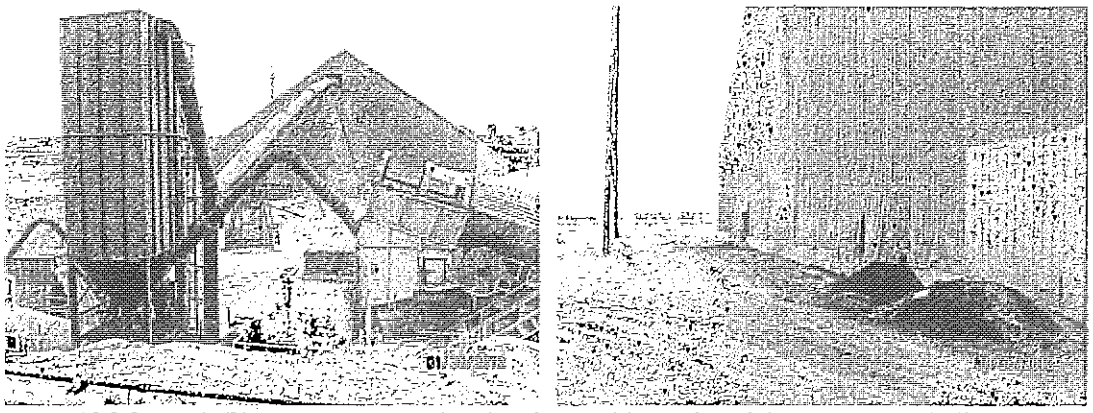
•MCC reported that the following areas are watered: Main Plant; Sand Creek Road; How Lane; Weaver Quarry, Pit and Road; Crusher, Warren Quarry, Pit and Road; Etchepare Quarry, Pit and Road; Hutton Lake Quarry, Pit and Road; Bath Quarry, Pit and Road; Gypsum quarry, Pit and Road; Shale Quarry Pit and Road. MCC reported 3,040,000 gallons was applied to the areas listed above as of the second half of 2011. For the month of January 2012, 734,000 gallons were applied. MCC informed the Division that during the month of January, the weather has been warmer than usual and extremely windy so the company has been overly caution with the water usage. The Division noted no concerns during review of the records that were maintained.

Per Condition F20 (a) requires MCC to maintain daily production rates and kiln feed rates.

•MCC reported from January 1 through January 26, 2012 Kiln #1 production rate was 11,476 tons with 587.5 operating hours (tons/hour were reported as 0). Kiln #2 production rate was 31,797 tons with 604.45 operating hours (tons/hour were reported as 10.6). The combined production rate for Kiln #1 and Kiln #2 was 43,273 tons and combined operating hours of 1,191.95. No concerns were noted during review.

Facility Walk-Through Inspection: After the pre-inspection meeting, I conducted a walk-through inspection of the facility accompanied by Mark Andrews. The details of the walk through are summarized below.

Facility Unloading/ Raw Material Storage Areas/Crushing Unit – We began the inspection by the clinker outside storage north, south, and storage building (refer to figures 1-5 above). One concern was noted and that was the raw material storage building was in need of repair. Mr. Andrews stated that a work order had been put into the office for repairs to be performed. At the crushing unit, which sits behind the raw material storage unit, we observed hauling being done at that time of the inspection and the unit was operating. The haul road had been watered prior to our walk-through. No concerns were noted during the inspection.



Figures 6-7: MCC-Laramie Plant-photographs showing the crushing unit and the raw storage building (01/30/12, CJM).

Clinker conveyor belts and Clinker Cooler Baghouse Areas –The conveyors were operating (refer to figures below). Only the Clinker Cooler #2 was operating during the inspection. We observed clinker from the conveyor storing the material at the clinker storage building (refer to figure 1 above). The combined clinker cooler stack showed no visible emissions. No concerns were noted during the walk through at these areas.

Figures 8-9: MCC-Laramie Plant-photographs showing the clinker baghouse and combined clinker stack (01/30/12, CJM).

Table 5 below is the instantaneous CEM/COM and Kiln Operating Data noted during the January 30, 2012 inspection. No concerns were noted.

Table 5: Instantaneous CEM/COM and Kiln Operating Data – January 30, 2012

Description	*Kiln #1	Kiln #2	Clinker Cooler #2 (comb.)	*Clinker Cooler #1
NO_X CEM:			-	-
ppm –	0	229		
lb/hr (hourly ave.) -	0	362		
lb/hr (30-day ave.) -	0	296		
SO_2 CEM:			-	-
ppm –	0	0		
lb/hr (30-day ave.) -	0	27		
lb/hr (3-hr ave.) -	0	69		
Opacity COM (percent)	0	7.8	2.7	down
Coal Feed Rate (TPH)	0	10.6	-	-
Natural Gas Fuel Use	-	-	-	-
Stack Flow Rate (ACFM)	0	130	-	-
PMCD Inlet Temperature (°F) (3-hr ave.)	0	255	-	-

**Note:* during the January 30, 2012 inspection Kiln #1 and Clinker Cooler #1 were both down.

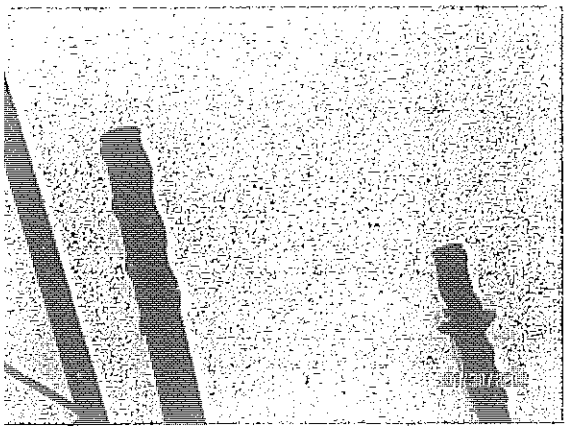


Figure 10: MCC-Laramie Plant-photographs showing the Kiln #1 stack and the Kiln #2 stacks. No concerns noted (01/30/12, CJM).

Kiln #2 stack had a 5-8% visible opacity emission and Kiln #1 was not operating during the inspection. Both were noted during the walk-through.

Raw Mill and Material Loadout Areas – Next, we walked through the west side of the facility where the Raw Mill, Kiln #1 baghouse, Kiln #2 ESP, and the truck and rail loadouts are located. No visible fugitive emissions were present at the time of the inspection.

We did not observe any loading operations during the walk-through inspection.

Mill Scale Unloading and Coal Storage Areas – Currently, MCC receives coal deliveries by truck. Typically, belly-dump trucks unload in front of the coal storage building. The last train delivery was received in January 2012. During the inspection, coal unloading was observed but no petcoke unloading, or mill scale unloading activities were taking place.

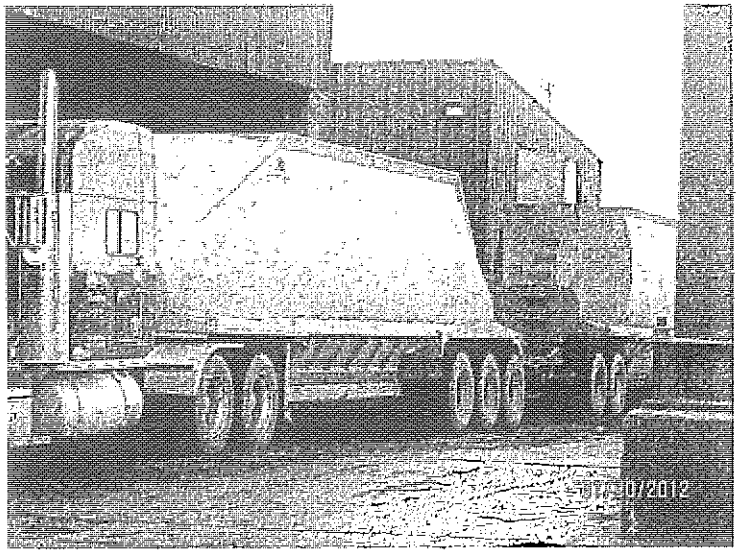


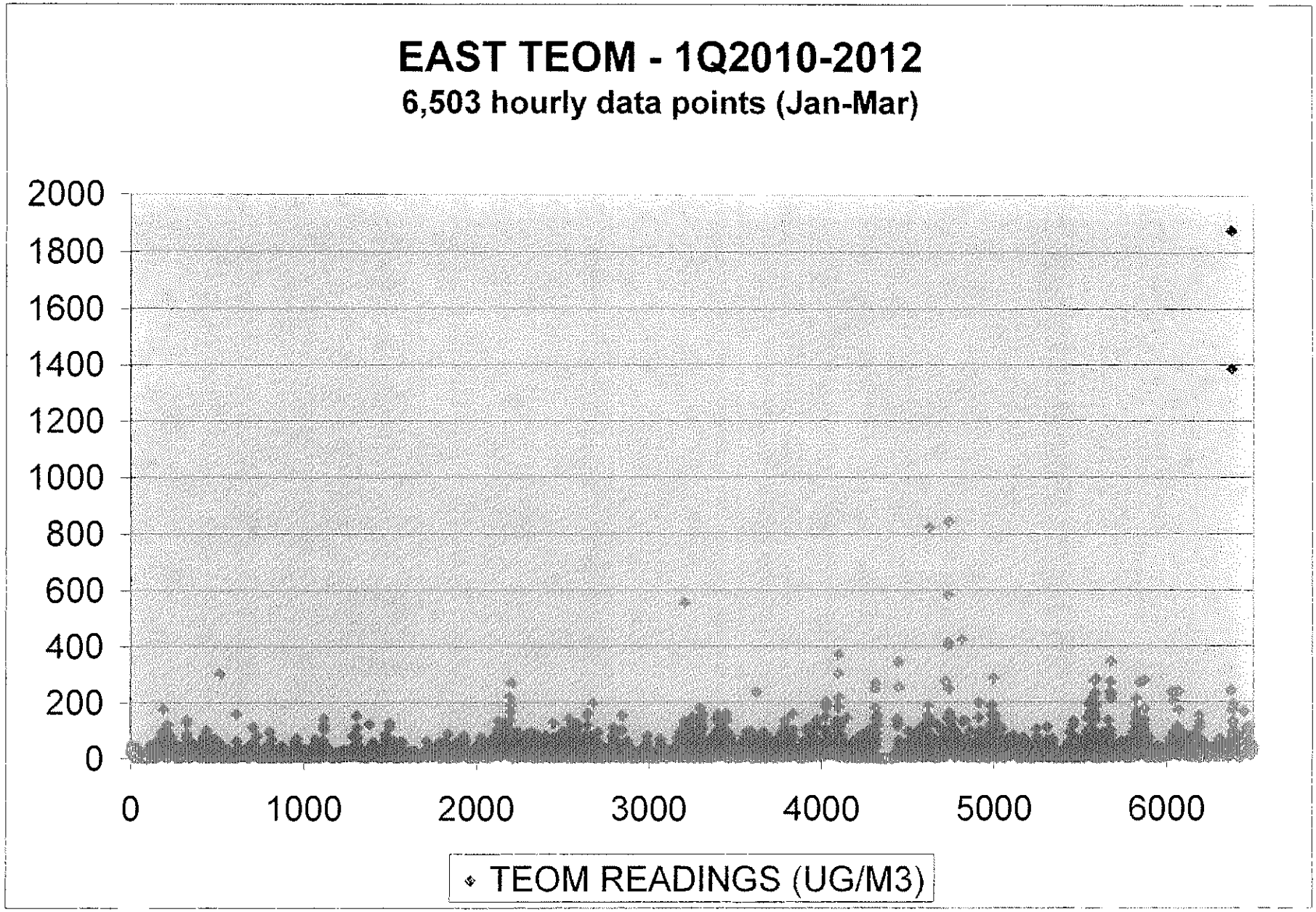
Figure 11: MCC-Laramie Plant-photograph showing only the coal area. During the inspection unloading operations were observed. No fugitive emissions concerns noted (01/30/12, CJM).

No fugitive emissions were noted at the mill scale unloading building, the petcoke unloading

building, or the coal unloading building.

During the walk-through inspection, the Division noted the loader that normally used to push the coal back and pick up any of the remains had broken down. MCC stated that plant personnel were operating on the loader so that clean up could continue at the plant site.

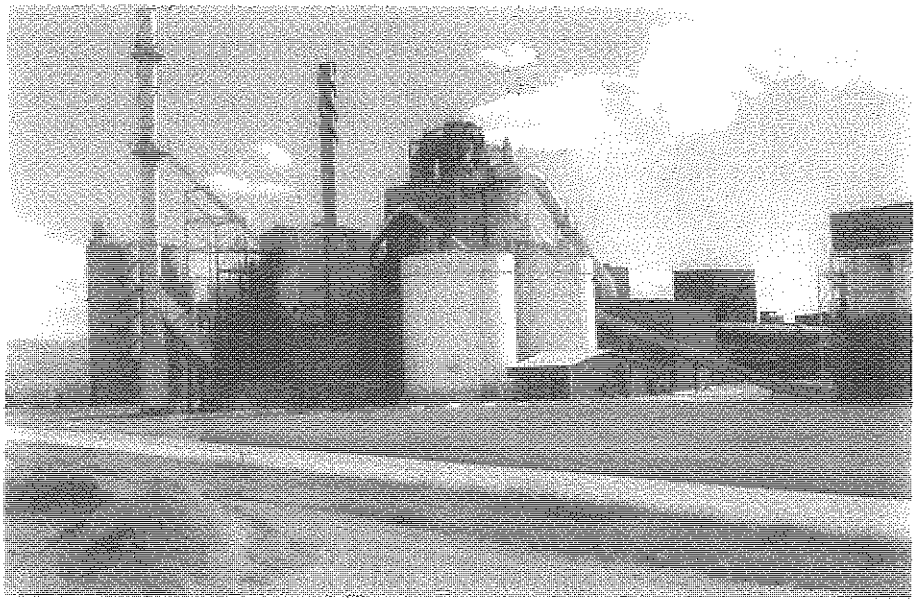
Post Inspection Meeting: Prior to leaving the facility, I reiterated that I did not find any concerns during the walk-through inspection. Afterward the inspection, I thanked the Mr. Andrews for his time and his assistance and then we left the facility.


EAST TEOM - 1Q2010-2012
6,503 hourly data points (Jan-Mar)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
1000
2000
3000
4000
5000
6000
TEOM READINGS (UG/M3)

ATTACHMENT NO. 6

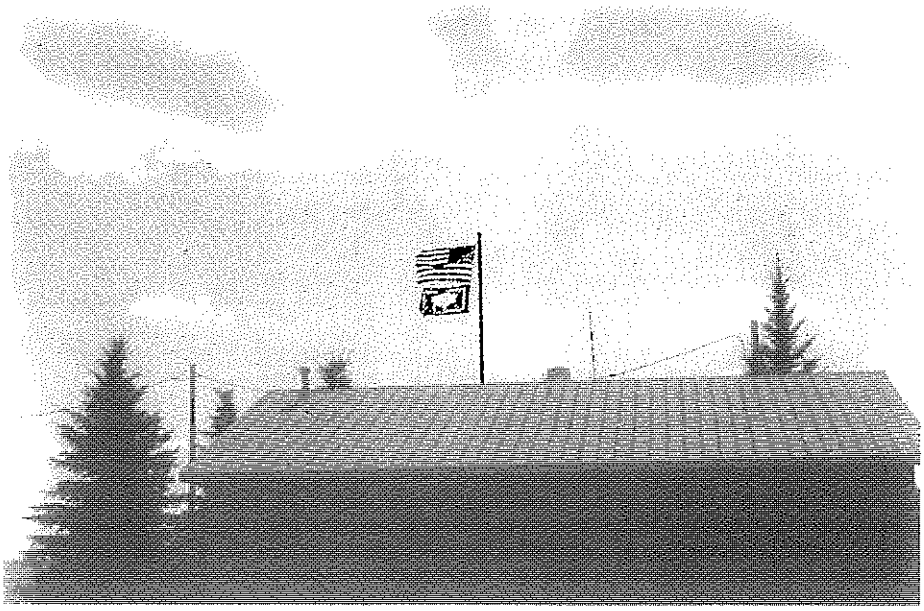
MOUNTAIN
CEMENT COMPANY

MOUNTAIN CEMENT COMPANY



HIGH WIND EVENTS PLAN

LARAMIE, WYOMING – February 2009



5 Sand Creek Road Laramie, WY 82070 (307) 745-4879 (307) 742-4534 FAX www.mountaincement.net

PURPOSE OF PLAN

The main purpose of this plan is to make all managers and supervisors of Mountain Cement aware of the environmental effects from high winds that occur at our plant. This plan will also contain a brief description of the regulations pertaining to ambient dust standards, define a high wind event, and provide a Mitigation Plan for reacting to high wind events.

REGULATORY OVERVIEW

Currently the plant has (2) two ambient dust monitors that continuously measure the amount of dust found in the air. One monitor is on the north side of our plant, near the house that is approximately 200 yds. north of the plant. The other monitor is located to the east of our plant, at the Cavalryman restaurant.

The monitors continuously read ambient dust levels and are more significantly impacted when the winds are strong and coming primarily from the west. The regulatory limit on ambient dust is set at 150 micrograms per cubic meter of air. The EPA and WY DEQ regulate this level at a 24-hr average beginning at midnight and extending until midnight the next day. Typically, the monitors do not reach the 24-hr average limit, but since their installation a year ago there were exceedences, each of which occurred during high-wind events.

The exceedences caused by high wind events are disputably unavoidable, but it is up to the source (Mountain Cement) to do everything possible to minimize the amount of dust reaching the monitors. This Plan will provide special measures to take place during "high wind events".

There are regulatory steps currently in place by Mountain Cement addressing the past exceedences as well as preparing to defend any future ones. Obviously the plant is not accountable for all ambient dust reaching the monitors; there are multiple sources, both natural and anthropogenic, that contribute. However, it is in the best interest of Mountain Cement to develop a plan to react to high wind events as well to continue with controlling dust from operations as best as possible.

DEFINITION OF A HIGH WIND EVENT

The plant shall consider sustained winds over 25 mph as a high wind event. Wind gusts also need to be considered when determining whether or not the plant is experiencing a high wind event. The environmental manager will send out an e-mail to all plant managers and supervisors advising them of a high wind day. This email will instruct everyone to consider the Mitigation Plan in making decisions for their daily operations, and scheduling of certain tasks.

In the absence of the environmental manager from the plant it is up to each manager and supervisor to be cognizant of wind events and to instruct their crews and make plans for their departments accordingly.

MITIGATION PLAN – High Wind Event

1. If temperatures are above freezing, make sure that the water truck is in service, and if possible do more frequent watering of roads around the plant

2. Have doors around the plant shut (e.g. clinker storage building, mill building)

3. Minimize material handling operations such as movement of clinker or gypsum or other material around the plant

4. Advise mobile equipment operators to decrease speeds around the plant and avoid short cutting turns

5. Limit amount of mobile equipment use around the plant

6. Report, and react to any issues that are creating noticeable dust emissions around the plant

7. Report any plant malfunctions\circumstances that might be generating higher than normal dust emissions directly to the Environmental Manager (ext. 2621).

ATTACHMENT NO. 7

History for Laramie, WY

Tuesday, January 17, 2012

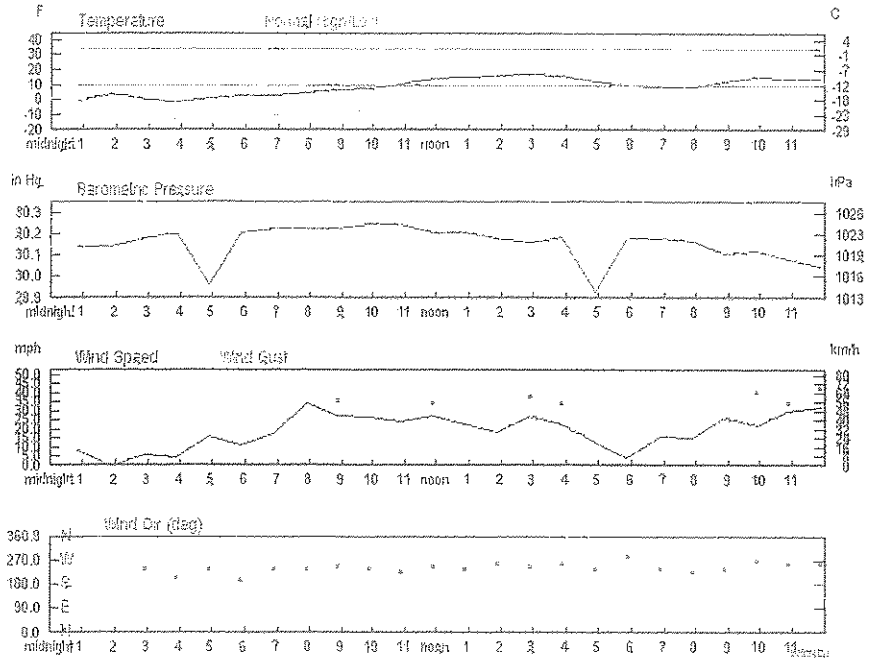
Previous Day | January 17 2012 View | Next Day

Daily

	Actual	Average	Record
Temperature			
Mean Temperature	7 °F	22 °F	
Max Temperature	18 °F	34 °F	52 °F (1954)
Min Temperature	-5 °F	10 °F	-19 °F (2007)
Degree Days			
Heating Degree Days	58	43	
Month to date heating degree days	683	732	
Since 1 July heating degree days	4346	4465	
Cooling Degree Days	0	0	
Month to date cooling degree days	0	0	
Year to date cooling degree days	0	0	
Humidity			
Dew Point	-8 °F		
Average Humidity	51		
Maximum Humidity	65		
Minimum Humidity	37		
Precipitation	0.00 in	0.01 in	0.74 in (1974)
Month to date precipitation	T	0.14	
Year to date precipitation	T	0.14	
Sea Level Pressure	30.10 in		
Wind Speed	19 mph (W&W)		
Max Wind Speed	39 mph		
Max Gust Speed	46 mph		
Visibility	10 miles		
Events			

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary



Time (MST)	Temp.	Windchill	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
12:53 AM	-0.9 °F	-15.3 °F	-9.0 °F	60%	30.14 in	10.0 mi	West	8.1 mph	-	N/A		Clear
1:53 AM	3.9 °F	-	-8.0 °F	58%	30.14 in	10.0 mi	Calm	Calm	-	N/A		Mostly Cloudy
2:53 AM	-0.0 °F	-11.6 °F	-9.9 °F	63%	30.18 in	10.0 mi	WSW	5.8 mph	-	N/A		Clear
3:53 AM	-2.0 °F	-12.2 °F	-13.0 °F	60%	30.21 in	10.0 mi	SSW	4.6 mph	-	N/A		Clear
4:53 AM	1.4 °F	-18.2 °F	-9.4 °F	61%	29.96 in	10.0 mi	WSW	16.1 mph	-	N/A		Clear
5:53 AM	3.0 °F	-13.3 °F	-11.0 °F	52%	30.21 in	10.0 mi	SSW	11.5 mph	-	N/A		Clear
6:53 AM	3.0 °F	-16.7 °F	-9.9 °F	55%	30.23 in	10.0 mi	WSW	17.3 mph	-	N/A		Clear
7:53 AM	5.0 °F	-20.4 °F	-9.9 °F	50%	30.23 in	10.0 mi	WSW	34.5 mph	40.3 mph	N/A		Clear
8:53 AM	7.0 °F	-15.6 °F	-9.0 °F	48%	30.23 in	10.0 mi	WSW	27.6 mph	35.7 mph	N/A		Clear
9:53 AM	8.1 °F	-13.8 °F	-5.0 °F	53%	30.25 in	10.0 mi	WSW	26.5 mph	-	N/A		Clear
10:53 AM	10.9 °F	-9.2 °F	-4.0 °F	51%	30.25 in	10.0 mi	SW	24.2 mph	31.1 mph	N/A		Clear
11:53 AM	14.0 °F	-6.2 °F	-2.0 °F	49%	30.21 in	10.0 mi	WSW	27.6 mph	34.5 mph	N/A		Clear
12:53 PM	15.1 °F	-3.3 °F	-2.0 °F	47%	30.21 in	10.0 mi	WSW	23.0 mph	-	N/A		Clear
1:53 PM	16.0 °F	-0.4 °F	-6.0 °F	38%	30.18 in	10.0 mi	West	18.4 mph	28.9 mph	N/A		Clear
2:53 PM	17.1 °F	-2.0 °F	-5.1 °F	37%	30.16 in	10.0 mi	WSW	27.6 mph	38.0 mph	N/A		Clear
3:53 PM	16.0 °F	-2.1 °F	-4.0 °F	41%	30.19 in	10.0 mi	West	23.0 mph	34.5 mph	N/A		Clear
4:53 PM	12.2 °F	-2.5 °F	-5.8 °F	45%	29.93 in	10.0 mi	WSW	12.7 mph	-	N/A		Clear
5:53 PM	10.0 °F	1.8 °F	-7.1 °F	46%	30.18 in	10.0 mi	WNW	4.6 mph	-	N/A		Clear

6:53 PM	9.0 °F	-8.5 °F	-5.1 °F	53%	30.18 in	10.0 mi	WSW	16.1 mph	-	N/A	Clear
7:53 PM	9.0 °F	-7.9 °F	-5.1 °F	53%	30.17 in	10.0 mi	SW	15.0 mph	-	N/A	Clear
8:53 PM	12.9 °F	-7.3 °F	-4.0 °F	47%	30.11 in	10.0 mi	WSW	26.5 mph	32.2 mph	N/A	Clear
9:53 PM	15.1 °F	-2.9 °F	-2.9 °F	45%	30.12 in	10.0 mi	West	21.9 mph	40.3 mph	N/A	Clear
10:53 PM	14.0 °F	-6.8 °F	-2.9 °F	47%	30.08 in	10.0 mi	West	29.9 mph	34.5 mph	N/A	Clear
11:53 PM	14.0 °F	-7.4 °F	-2.9 °F	47%	30.05 in	10.0 mi	West	32.2 mph	42.6 mph	N/A	Clear

History for Laramie, WY

Wednesday, January 18, 2012

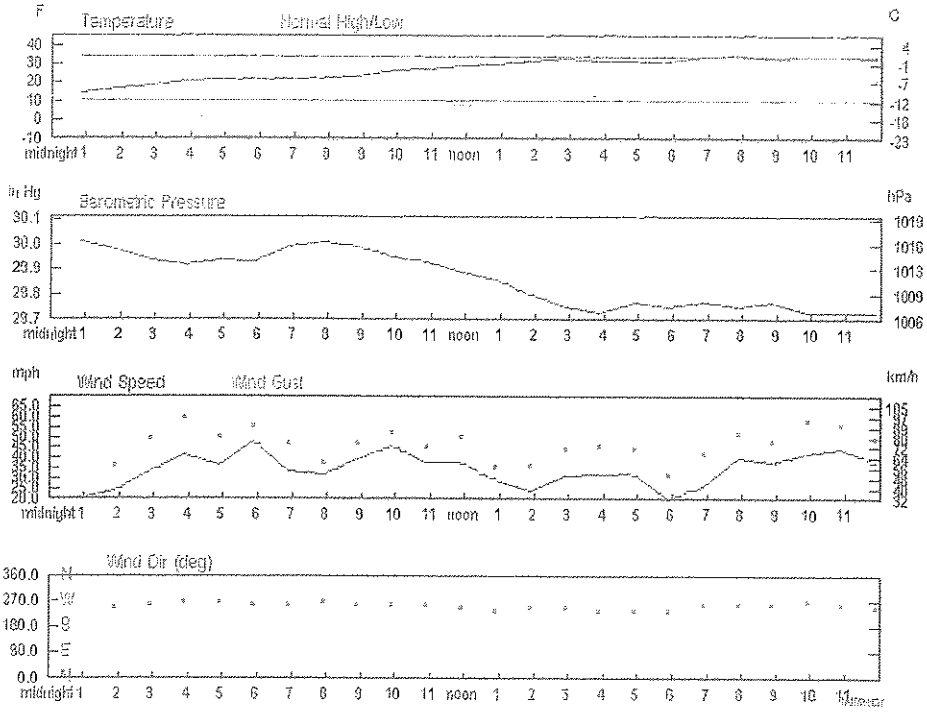
Previous Day January 18 2012 View Next Day

Daily

	Actual	Average	Record
Temperature			
Mean Temperature	23 °F	22 °F	
Max Temperature	34 °F	33 °F	54 °F (1965)
Min Temperature	11 °F	10 °F	-26 °F (1984)
Degree Days			
Heating Degree Days	42	43	
Month to date heating degree days	725	775	
Since 1 July heating degree days	4388	4448	
Cooling Degree Days	0	0	
Month to date cooling degree days	0	0	
Year to date cooling degree days	0	0	
Humidity			
Dew Point	8 °F		
Average Humidity	47		
Maximum Humidity	56		
Minimum Humidity	37		
Precipitation			
Precipitation	0.00 in	0.01 in	1.00 in (1963)
Month to date precipitation	T	0.15	
Year to date precipitation	T	0.15	
Sea Level Pressure			
Sea Level Pressure	29.86 in		
Wind			
Wind Speed	35 mph (WSW)		
Max Wind Speed	51 mph		
Max Gust Speed	62 mph		
Visibility			
Visibility	10 miles		
Events			

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary



Time (MST)	Temp.	Windchill	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
12:53 AM	14.0 °F	-3.9 °F	-2.9 °F	47%	30.01 in	10.0 mi	WSW	20.7 mph	32.2 mph	N/A		Clear
1:53 AM	16.0 °F	-2.5 °F	-0.9 °F	47%	29.98 in	10.0 mi	WSW	24.2 mph	36.8 mph	N/A		Scattered Clouds
2:53 AM	18.0 °F	-2.3 °F	1.0 °F	48%	29.94 in	10.0 mi	West	33.4 mph	49.5 mph	N/A		Partly Cloudy
3:53 AM	19.9 °F	-1.3 °F	1.0 °F	44%	29.92 in	10.0 mi	West	41.4 mph	59.8 mph	N/A		Clear
4:53 AM	21.0 °F	1.2 °F	1.0 °F	42%	29.94 in	10.0 mi	West	36.8 mph	50.6 mph	N/A		Clear
5:53 AM	21.0 °F	-1.0 °F	3.0 °F	46%	29.93 in	8.0 mi	West	48.3 mph	55.2 mph	N/A		Clear
6:53 AM	21.0 °F	1.9 °F	5.0 °F	50%	29.99 in	10.0 mi	West	33.4 mph	47.2 mph	N/A		Overcast
7:53 AM	21.9 °F	3.4 °F	3.9 °F	46%	30.01 in	10.0 mi	West	32.2 mph	38.0 mph	N/A		Overcast
8:53 AM	23.0 °F	3.4 °F	5.0 °F	46%	29.99 in	10.0 mi	West	39.1 mph	47.2 mph	N/A		Overcast
9:53 AM	26.1 °F	6.5 °F	3.9 °F	39%	29.95 in	10.0 mi	West	46.0 mph	52.9 mph	N/A		Partly Cloudy
10:53 AM	27.0 °F	9.2 °F	6.1 °F	41%	29.93 in	10.0 mi	West	38.0 mph	46.0 mph	N/A		Clear
11:53 AM	28.0 °F	10.7 °F	7.0 °F	41%	29.89 in	10.0 mi	WSW	38.0 mph	50.6 mph	N/A		Clear
12:53 PM	28.9 °F	13.7 °F	8.1 °F	41%	29.86 in	10.0 mi	WSW	28.8 mph	35.7 mph	N/A		Overcast
1:53 PM	30.9 °F	17.5 °F	9.0 °F	40%	29.80 in	10.0 mi	WSW	24.2 mph	36.8 mph	N/A		Scattered Clouds

2:53 PM	32.0 °F	17.4 °F	10.9 °F	42%	29.75 in	10.0 mi	WSW	31.1 mph	44.9 mph	N/A	Mostly Cloudy
3:53 PM	30.9 °F	15.7 °F	12.0 °F	46%	29.73 in	10.0 mi	WSW	32.2 mph	46.0 mph	N/A	Scattered Clouds
4:53 PM	30.9 °F	15.7 °F	12.0 °F	46%	29.77 in	10.0 mi	WSW	32.2 mph	44.9 mph	N/A	Clear
5:53 PM	30.9 °F	18.4 °F	12.9 °F	47%	29.75 in	10.0 mi	WSW	20.7 mph	32.2 mph	N/A	Clear
6:53 PM	33.1 °F	19.8 °F	12.9 °F	43%	29.77 in	10.0 mi	West	26.5 mph	42.6 mph	N/A	Clear
7:53 PM	34.0 °F	18.5 °F	14.0 °F	44%	29.75 in	10.0 mi	West	40.3 mph	51.8 mph	N/A	Clear
8:53 PM	32.0 °F	16.2 °F	18.0 °F	56%	29.77 in	10.0 mi	West	38.0 mph	48.3 mph	N/A	Scattered Clouds
9:53 PM	33.1 °F	16.9 °F	19.0 °F	56%	29.73 in	9.0 mi	West	42.6 mph	58.7 mph	N/A	Clear
10:53 PM	33.1 °F	16.6 °F	19.9 °F	59%	29.73 in	10.0 mi	West	44.9 mph	56.4 mph	N/A	Scattered Clouds
11:53 PM	32.0 °F	16.2 °F	21.0 °F	64%	29.73 in	10.0 mi	WSW	38.0 mph	49.5 mph	N/A	Scattered Clouds

History for Laramie, WY

Thursday, January 19, 2012

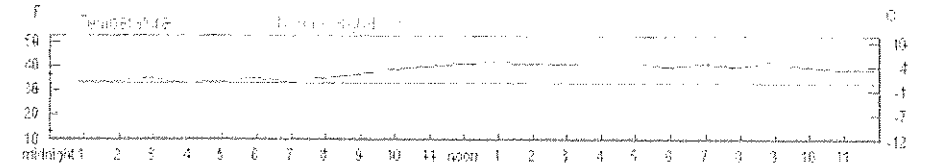
Previous Day January 19 2012 View Next Day

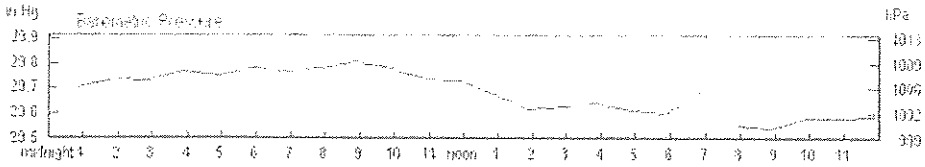
Daily

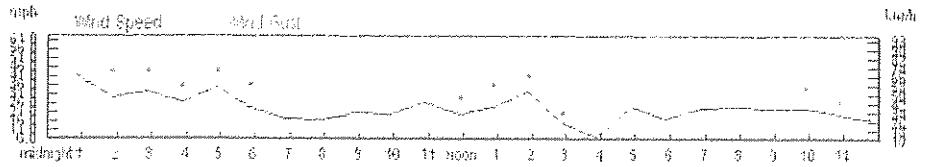
	Actual	Average	Record
Temperature			
Mean Temperature	38 °F	22 °F	
Max Temperature	43 °F	33 °F	51 °F (2003)
Min Temperature	33 °F	10 °F	-33 °F (1963)
Degree Days			
Heating Degree Days	27	43	
Month to date heating degree days	752	818	
Since 1 July heating degree days	4415	4491	
Cooling Degree Days	0	0	
Month to date cooling degree days	0	0	
Year to date cooling degree days	0	0	
Moisture			
Dew Point	25 °F		
Average Humidity	61		
Maximum Humidity	69		
Minimum Humidity	53		
Precipitation			
Precipitation	T in	0.01 in	0.20 in (1991)
Month to date precipitation	T	0.16	
Year to date precipitation	T	0.16	
Sea Level Pressure			
Sea Level Pressure	29.68 in		
Wind			
Wind Speed	25 mph (WSW)		
Max Wind Speed	52 mph		
Max Gust Speed	64 mph		
Visibility	10 miles		
Events			

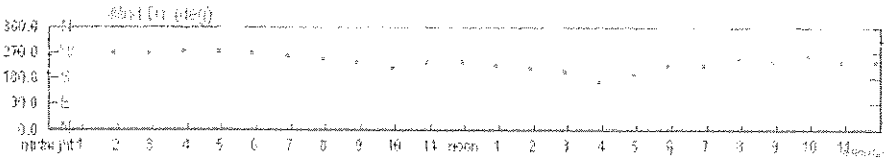
T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary









Time (MST)	Temp.	Windchill	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
12:53 AM	34.0 °F	18.4 °F	21.0 °F	59%	29.70 in	10.0 mi	West	41.4 mph	52.9 mph	0.00 in		Clear
1:53 AM	34.0 °F	20.5 °F	21.9 °F	61%	29.74 in	10.0 mi	West	28.8 mph	43.7 mph	N/A		Overcast
2:53 AM	35.1 °F	21.4 °F	21.9 °F	59%	29.73 in	10.0 mi	West	32.2 mph	43.7 mph	N/A		Overcast
3:53 AM	33.1 °F	19.8 °F	21.9 °F	64%	29.77 in	10.0 mi	West	26.5 mph	35.7 mph	N/A		Clear
4:53 AM	34.0 °F	19.5 °F	24.1 °F	67%	29.75 in	10.0 mi	West	34.5 mph	43.7 mph	N/A		Clear
5:53 AM	35.1 °F	23.3 °F	23.0 °F	61%	29.78 in	10.0 mi	West	23.0 mph	36.8 mph	N/A		Partly Cloudy
6:53 AM	34.0 °F	23.4 °F	23.0 °F	64%	29.77 in	10.0 mi	West	17.3 mph	-	N/A		Scattered Clouds
7:53 AM	35.1 °F	25.2 °F	23.0 °F	61%	29.78 in	10.0 mi	WSW	16.1 mph	24.2 mph	N/A		Overcast
8:53 AM	37.0 °F	26.4 °F	25.0 °F	62%	29.81 in	10.0 mi	WSW	20.7 mph	-	N/A		Overcast
9:53 AM	39.0 °F	29.3 °F	25.0 °F	57%	29.78 in	10.0 mi	SW	19.6 mph	-	0.00 in		Overcast
10:53 AM	39.9 °F	29.0 °F	25.0 °F	55%	29.74 in	10.0 mi	WSW	26.5 mph	34.5 mph	N/A		Overcast
11:53 AM	41.0 °F	31.9 °F	26.1 °F	55%	29.73 in	10.0 mi	WSW	19.6 mph	28.8 mph	N/A		Overcast
12:53 PM	42.1 °F	32.3 °F	26.1 °F	53%	29.69 in	10.0 mi	SW	24.2 mph	36.8 mph	N/A		Overcast
1:53 PM	41.0 °F	29.5 °F	26.1 °F	55%	29.62 in	10.0 mi	SW	32.2 mph	41.4 mph	N/A		Overcast

2:53 PM	41.0 °F	33.1 °F	26.1 °F	55%	29.63 in	10.0 mi	SSW	15.0 mph	26.7 mph	N/A	Overcast
3:53 PM	42.1 °F	37.7 °F	26.1 °F	53%	29.64 in	10.0 mi	South	6.9 mph	-	N/A	Overcast
4:53 PM	42.1 °F	32.3 °F	27.0 °F	55%	29.61 in	10.0 mi	SSW	24.2 mph	-	N/A	Overcast
5:53 PM	39.9 °F	31.1 °F	27.0 °F	60%	29.60 in	10.0 mi	SW	17.3 mph	-	N/A	Mostly Cloudy
6:53 PM	41.0 °F	31.1 °F	26.6 °F	57%	29.69 in	10.0 mi	SW	23.0 mph	-	N/A	Scattered Clouds
7:53 PM	39.9 °F	29.5 °F	27.0 °F	60%	29.55 in	10.0 mi	WSW	24.2 mph	-	N/A	Clear
8:53 PM	42.1 °F	32.6 °F	26.1 °F	53%	29.54 in	10.0 mi	WSW	23.0 mph	39.1 mph	N/A	Overcast
9:53 PM	39.9 °F	29.7 °F	26.1 °F	58%	29.58 in	10.0 mi	West	23.0 mph	34.5 mph	N/A	Overcast
10:53 PM	39.0 °F	29.3 °F	27.0 °F	62%	29.58 in	10.0 mi	WSW	19.6 mph	27.6 mph	N/A	Overcast
11:53 PM	39.0 °F	30.3 °F	26.1 °F	60%	29.59 in	10.0 mi	WSW	16.1 mph	-	N/A	Overcast

Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Matthew H. Mead, Governor

John Corra, Director

August 13, 2012

Mr. Phil Lane
Mountain Cement Company
5 Sand Creek Rd.
Laramie, WY 82070

Re: Request for Flag under the Exceptional Event Rule for PM_{10} January 18, 2012 Exceedance

Dear Mr. Lane,

The Air Quality Division (AQD) has reviewed the request to flag the January 18, 2012 PM_{10} ambient monitored data as an Exceptional Event in accordance with the 40 CFR Part 50.14 at the Mountain Cement Company (MCC) facility. The AQD has placed a temporary "High Wind" flag in AQS on all the January 18, 2012 PM_{10} data points, with the description "Possible Exceptional Event – under evaluation by AQD". A team of AQD staff have evaluated the June 27, 2012 submittal and found some elements that may help strengthen the "weight of evidence" approach presented. Supplemental information is needed before AQD can determine if all elements were addressed to exclude event-related concentrations from regulatory determinations.

It has been AQD's policy, in the past, to flag all PM_{10} data points (0:00 – 23:00) during the day of an Exceptional Event. If MCC would like to flag specific times and values rather than the entire day, it is important to make a specific request in the Exceptional Event packet. In the January 18, 2012 Exceptional Event packet there are specific hourly concentrations mentioned between 2:00 am and 5:00 am that reference potential outliers, errant data, deletion and invalid data points. The AQD has to rely on MCC and trust that a valid data set was submitted, for this time period, on May 31, 2012 with the 1st Quarter 2012 report. The approved MCC Quality Assurance Project Plan has validation processes and Quality Assurance practices in place to produce valid data and reports.

The Exceptional Event team feels the following information would add to or clarify the packet:

1) Include January 17 – January 19, 2012 monitored data to document the day prior and day after the Exceptional Event.
2) To help strengthen the "Clear Causal Relationship" and the "But For" elements required in an Exceptional Event packet, the North TEOM readings and comparisons to the East TEOM should be included. The North TEOM monitor may have a true background monitored reading during the event. This may add to the weight of the "Assessment of Plant Control of Fugitive Dust Compared to Background" section in the packet.
3) Drought conditions may have been present during the event. However, reasonable controls at the facility still need to be in place and documented. A description of MCC's reactionary/control measures when the real time PM_{10} concentrations elevated above the ambient standard at the

ambient monitor. This should include, but not limited to, facility documentation about; investigation, operational measures, and public notification, or inaction if appropriate.

4) Detailed descriptions of dust control activity at the facility during this event. Include refined water logs, locations of water applications, dust suppressant application dates and locations. A facility map may make this easier to visualize.
5) The AQD has stated the microscopy study used by MCC does not provide specific event data for one date. The microscopy study data submitted with this January 18, 2102 Exceptional Event package was collected and processed after March 26, 2012. The AQD has questions and concerns about this type of evaluation as noted in the Division's July 25, 2011 letter.
6) The last page of Attachment No. 2 has April 19, 2008 data from the AQD's Murphy Ridge site. Please remove or state the relevance to your Exceptional Event.
7) Thoroughly describe and label the graph included in Attachment No. 5. The PM_{10} Historical Background data is a vital element of the Exceptional Event packet and should be highlighted.
8) Attachment No. 7 includes specific facility data. It is in MCC's best interest to provide descriptions of these activities so that citizens and AQD staff as well as EPA staff with limited knowledge of the facility can understand the packet and scientific connections.
9) A detailed description explaining Attachment No. 12 and how it can add to the "weight of evidence" approach.

Please keep in mind that while AQD had an extensive staff of monitoring, compliance, modeling and permitting personnel available to evaluate the documentation packet, this packet will also be reviewed by the public and EPA.

Please submit the requested supplemental information to Cara Keslar, Monitoring Section Supervisor no later than two (2) weeks from receipt of this letter. The AQD evaluation team will reconvene to determine if all requirements were met under the Exceptional Event Rule. If requirements were met, AQD will keep the flags in the AQS database and the documentation package will be made available for public review and submitted to EPA Region 8 for concurrence.

Sincerely,

Amber Potts
Monitoring Project Advisor

Cc: Mountain Cement Monitoring File

MOUNTAIN
CEMENT COMPANY

5 Sand Creek Rd.
Laramie, Wyoming 82070
(307) 745-4879 Fax (307) 742-4534

June 27, 2012

CERTIFIED MAIL/RETURN RECEIPT

Ms. Cara Keslar, Monitoring Section Supervisor
WDEQ – Air Quality Division
122 West 25th Street, 2nd East
Cheyenne, Wyoming 82002

Re: January 18, 2012 Request for Flag under the Exceptional Event Rule for PM-10
Mountain Cement Company, Albany County

Dear Ms. Keslar:

Mountain Cement Company "MCC" is submitting this packet of information in order to request from the Wyoming Department of Environmental Quality – Division of Air Quality "Division" a concurrence for applying certain data recorded by the tapered element oscillating monitor "TEOM", located approximately 1000 meters east of the MCC Laramie, WY cement plant (a.k.a. "EAST TEOM"), to be flagged under the Exceptional Events Rule for PM-10 measurements recorded for January 18, 2012. The informational packet contains PM-10 data for the EAST TEOM, and meteorological data from ambient monitoring stations that the Division required MCC to maintain at locations in the near vicinity of MCC's Laramie, WY cement plant. This submittal also contains technical reports performed on the EAST TEOM filters in which an expert in the field of qualitative analysis of TEOM filters as well as determination of microscopic particle size distribution determinations.

In order to better satisfy the Division's requirements in making determinations for flagging exceptional events, MCC is including the June 7, 2012 letter (Attachment No. 1) from the Division which outlines deficiencies in previous MCC Exceptional Events submittals.

The "Report of Elevated PM-10 Concentrations, January 18, 2012, Mountain Cement Company, Inc. (MCC)" has been included with this submittal (Attachment No. 2). The report was compiled by Air Resources Services, and provides the data and graphical illustrations for the EAST TEOM PM-10 and meteorological monitors during the high wind event of January 18, 2012. The report contains information that the Division had previously used to concur with high wind events in November 2007, but no longer deem as complete due to changes in the USEPA's requirements.

Mountain Cement Company has reviewed USEPA guidelines used for flagging exceptional events, and feels that the guidelines fall short for reasonable consideration during high winds and lack of precipitation that is experienced in certain regions; however, these important factors will be presented in this submittal in the hopes that at some point rationale decisions will prevail with regards to regulating industrial sources for particulate emissions.

The review of PM-10 data for the EAST TEOM for 1Q2010, 1Q2011, and 1Q2011 shows that there are at least nine instances, over a period of 2850 hours, in which the 1-hr average particulate loading registered by the TEOM indicates with high certainty that the readings are invalid due to several reasons which will be detailed later in this submittal. Each of the nine hourly anomalies is correlated to exceptionally high wind (both sustained and gusts). This submission will prove that the MCC sources were not the likely cause of the high PM-10 readings, and that the plant made substantial efforts to minimize fugitive dust, both on the day of the exceedence, as well as its normal mode of operations for the cement plant. Elements of plant operations and observations of regulated sources will be included with this submission.

REQUEST FOR EXCLUSION OF DATA DUE TO EXCEPTIONAL EVENTS

Mountain Cement Company believes that the 845ug/m^3 PM-10 reading at 05:00 on January 18, 2012 should be excluded due to several reasons contained in this submission including, but not limited to the following reasons: 1) the exceptional high wind speeds (1-hr ave. of 40.36 mph); 2) the exceptionally high wind gusts (1-hr value of 61.71 mph); 3) the incongruous PM-10 value recorded by the EAST TEOM of 845 ug/m^3 which leads to suspicion of an errant hourly reading as compared to other readings during the day; 4) the exceptionally high level recorded by the NORTH TEOM for that hour (143 ug/m^3, more than eight times the average background); 5) the subsequent filter analysis showing large amounts of particles exceeding PM-10 that is being collected and weighed by the ambient monitor's microbalance; presumably during high winds.

If the 5:00AM value is excluded, for any or all reasons presented, the daily average reading, based on 23 hours, on the EAST TEOM would have been 142.09 ug/m^3. If the exclusion of exceptional event hours from 2:00AM through 5:00AM were deleted, as they also are most likely errant due to several reasons, the resulting daily average would have been 93.38 ug/m^3. In either event the 150ug/m^3 daily limit for ambient PM-10 would not have been exceeded, taken into account the outlier data deletions.

ANALYSIS OF METEOROLOGICAL DATA – HISTORIC AND JANUARY 18, 2012

The submission of meteorological and PM-10 data contains information from the first quarters of 2010, 2011, and 2012. The reasoning for comparing data of several first quarters is that the meteorological conditions in Laramie, WY are quite seasonal in nature. Furthermore, hourly data was used as it better assesses conditions that led to all exceedences to date (11/2007 to the present). All statistical calculations were done on an Excel program, which limits certain statistical functions to 8100 counts; therefore three years of hourly data allowed for analyzing roughly 6500 hours of data.

The events that transpired on January 18, 2012 resulted in incongruent TEOM readings of PM-10 values during periods of extreme winds. The data in question occurred between the hours of 2:00AM through 5:00AM on January 18, 2012. Even though the cement plant is a 24-hr industrial plant, it should be noted that the amount of personnel and plant traffic between 2:00A and 5:00AM is quite low.

During the 2:00A to 5:00A time period the following data points were found:

Average hourly sustained wind speeds:	38.03 mph
Average hourly wind gusts:	56.75 mph

The hourly wind data for the 05:00AM hour are as follows:

Sustained wind speeds:	43.61 mph
Peak wind gusts:	61.71 mph

The average hourly wind speeds and gusts recorded from 1Q2010, 1Q2011 and 1Q2012 are:

Average hourly sustained winds:	12.18 mph
Average hourly wind gusts:	19.97 mph

It can be readily seen that that the hourly wind speed, particularly during the 5:00AM hour are greatly above (i.e. tripled the amount) of already high long-term average wind speeds of 12.18 mph. Similarly, the wind gusts of 61.71 mph more than quadruple a long-term value of 19.97 mph for average hourly wind gusts. It stands to reason that these extreme winds will result in elevated PM-10 readings recorded by the TEOM; however, the values recorded during these high winds show incongruent and extreme values that lend suspicion towards other factors, such as drought conditions preceding the event, and the likely event that larger and heavier particles than 10-micron are entering the TEOM during extreme wind speeds.

HISTORICAL METEOROLOGICAL INFORMATION – PRECIPITATION

In addition to the extreme wind events, measured on January 18, 2012, and detailed in the previous section, there were other meteorological conditions that contributed to the exceedence. Typically, January is one of the drier months of the year in the Laramie area. However, January 2012 was particularly drier than the 0.27 inch of precipitation average; as there was 0.0 inches of precipitation that had fallen during the month of January, 2012, as illustrated on the Weather Underground – History documentation (Attachment No. 3). The preceding month, December, 2011 was also much drier than the average of 0.32 inches of precipitation with only 0.06 inches recorded as illustrated on the Weather Underground – History documentation (Attachment No. 4).

The 0.06 inches of actual precipitation represents only 12.6% of the normal average precipitation of 0.47 inches from the 50 days (December 1, 2011 to January 18, 2012) preceding the January 18, 2012 exceedence. Only 12.6% of an already low precipitation average is a relevant fact to be considered with regard to potential higher than normal TEOM readings.

ANALYSIS OF PM-10 DATA COLLECTED BY TEOM – JANUARY 18, 2012

All four data points that occurred between 02:00AM and 05:00AM fall within the top nine PM-10 loading values that are outliers when viewing the 1Q201, 1Q2011, and 1Q2012 EAST TEOM data, as seen on the enclosed graph labeled "EAST TEOM – 1Q2010-2012" (Attachment No. 5).

The nine outliers can be seen as the nine single point readings above the 400 ug/m^3 y-axis line. All other points, which is comprised of 6500 hourly data points fall below the 400 line. The incongruent nature of the readings lend to suspicions that the hourly readings were compromised by other factors (e.g. larger than PM-10 material entering the monitor) leading to misrepresented microgram/cubic meter values being recorded, or involved in naturally-occurring exceptional meteorological events, such as extremely high wind events.

On previous occasions MCC has pulled filters immediately following high wind events in the attempt to verify what is believed; which is that extraordinary high winds affect the reliability of the TEOM's capabilities for collecting only PM-10 during these periods. Most recently, MCC sent the EAST TEOM filter after the 03/26/2012 high wind event. The report of findings (Attachment No. 6) showed that 33% of the material deposited was in excess of 10 micron.

CONTROL ELEMENTS INSTITUTED BY MOUNTAIN CEMENT REGARDING DUST CONTROL

Mountain Cement has in the past, and continues to control fugitive emissions to the best of its ability on a daily basis with the daily plant sweeping and roadway watering practices. The company makes semi-annual mag-chloride applications around the plant, quarries and surrounding neighborhoods at a cost exceeding $100,000 per annum. The efforts greatly reduce overall fugitive dust emissions in the general area.

On January 18, 2012 the plant applied 62,000 gallons of water compared to a daily average of about 11,000 gallons. The plant dispenses roughly 3,000,000 gallons for control of fugitive dust every year; this equates to 750 rounds by the plant's water truck. During high wind days the plant does enact other practices (Attachment No. 7), in order to further reduce re-entrainment of dust during extreme weather events such as the winds in excess of 60 mph that occurred on the morning of January 18, 2012.

ASSESSMENT OF PLANT CONTROL OF FUGITIVE DUST COMPARED TO BACKGROUND

A better measure of the plants performance as it pertains to fugitive dust control measures, rather than simply counting the days in which the 150 ug/m3 24-hr standard is exceeded, is the comparison of long-term TEOM readings while winds are crossing the plant against TEOM readings while winds are not crossing the plant.

Mountain Cement has determined that the plant could be contributing to EAST TEOM readings only when winds are coming across the plant, in the 225-315 degree sector (Attachment No. 8). A comparison of both EAST TEOM readings and wind data from when winds are crossing plant and when winds are not crossing the plant are given below:

	AVE. WIND (MPH)	AVE. WIND GUSTS (MPH)	AVE. TEOM (ug/m3)
WINDS CROSSING MCC PLANT (225-315°)	16.48	26.43	37.84*
WINDS NOT CROSSING PLANT	8.65	14.69	17.50

The "WINDS NOT CROSSING PLANT" sector could intuitively be described as background dust loadings, if the purpose of the regulatory agencies is to determine the effect of the cement plant to the EAST TEOM.

It can be readily seen that, after reviewing 6500 hours of data (1Q2010, 1Q2011 and 1Q2012), that the higher winds occur in the sector in which the MCC plant lies (225-315 degree). The average wind speeds while crossing the plant were 190% higher (8.65/16.48), while the average wind gust were 180% higher (14.49/26.43), with wind gusts recorded as high as 74.37 MPH; which is a category I hurricane-strength wind speed.

Average EAST TEOM readings while winds crossing the plant were found to be 37.84*, or 35.39 ug/m^3 if the top 9 outliers of the 6500 hours of data, are eliminated. In either case, the average dust loading is approximately twice the amount as what was found in the background, "WINDS NOT CROSSING PLANT", condition (37.84/17.50 = 2.16%).

A logical conclusion could be made that the plant has very little, if any, contribution to the EAST TEOM over what is found at that monitor for background levels; when consideration was given to wind speed levels. Assuming a direct correlation of particulate loading with wind speed, an average EAST TEOM reading while winds crossing the plant could have been calculated by multiplying the background levels by the factor of wind speeds or:

(17.50 ug/m^3) * (1.90) = 33.25 ug/m^3 (calculated particulate matter loading)

The difference in the calculated particulate loading with actual is 4.49 ug/m^3 (37.84-33.35); or if discounting top 9 outliers 2.14 ug/m^3 (35.39-33.25).

Whether or not data is excluded, the resulting "plant contribution" to overall background levels is quite low, 11.86% (4.49/37.84), or 6.05% (2.14/35.39) of total particulate matter less than 10 micron from the 225-315 degree sector, depending on whether the 9 outliers are taken out or not.

PLANT'S COMPLIANCE STATUS DURING JANUARY 18, 2012 EXCEEDENCE

The EAST TEOM had tripped the 150 ug/m^3 24-hr midnight to midnight average on January 18, 2012. There were no excesses of air pollution relating to source noncompliance during this time. The plant was operating normal, and there were no exceedences of any of the plant's monitored or observed parameters that could have possibly contributed to the EAST TEOM monitor. A copy of the 1Q2012 Continuous Emission Monitory Report (Attachment No. 9) has been included in this submittal to show that there were no upsets during the time of the elevated EAST TEOM readings which occurred on January 18, 2012. Also, the daily production records, which contain visible emission records, are being provided (Attachment No. 10).

Hourly CEMS data will be provided under a separate cover as the data acquisition reporting software is currently being worked on while MCC is working with the Division on other reporting issues. It can be said; however, that there were no exceedences of any parameter on

January 18, 2012 otherwise it would have been included in the 1Q2012 COMS/CEMS report, which is included with this submittal.

NO EXCEEDENCE OR VIOLATION "BUT FOR" CERTAIN EVENTS

There would be exceedence or violation of the 150 ug/m3 standard for PM-10 but for the fact that extreme winds, coupled with drier than normal conditions, elevated TEOM readings for a three-hour period between the hours of 3:00AM and 5:00 AM of January 18, 2012. The statistical historic data confirms that these hours of wind conditions are extreme, and that when compared to background data, present a potential elevated TEOM reading that is not likely to be controlled by the actions of MCC's Laramie, WY plant.

The 845 ug/m^3 recorded at the 5:00AM, when viewed to other readings over 1Q2010, 1Q2011, and 1Q2012, appears to be an outlier, that was compromised by other factors rather than accurately reading PM-10 or less particulate matter. There would not have been an exceedence on January 18, 2012 but for the inclusion of this reading, which is most likely misrepresentative of actual conditions.

ADDITIONAL DOCUMENTATION

The Division offered MCC the website link www.epa.gov/ttn/analysis/events.htm (Attachment No. 11) as a guide to MCC for demonstrating examples for which the USEPA has made determinations resulting in concurrences to exceptional events. It can be seen that there are only two events in which USEPA concurred with exceptional events for PM-10 monitors. Both of these determinations were for forest firs, one in California in 2007 and Montana in 2008. It is difficult to comprehend that the USEPA has only concurred on two exceptional events, since 2007, that were the result of an exceptional event.

SUMMARY

Mountain Cement Company believes that the exceptional naturally occurring circumstances around January 18, 2012 led to the exceedence of the 24-hr PM-10 limit of 150 ug/m^3. All of the information contained in this submittal clearly shows that MCC's Laramie, WY cement plant was not the primary contributor that led to the exceedence; rather the extreme meteorological conditions at 05:00 AM, coupled with the limitations of the TEOM monitor led to an errant measurement over a one hour period that caused the overall exceedence for the day.

After reviewing USEPA's prior determinations and draft guidance document entitled "Guidance on the Preparation of Demonstrations in Support of Requests to Exclude Ambient Air Quality Data Affected by High Winds under the Exceptional Events Rule", it is clear that the regulated community bears unreasonable burdens placed on them to be compliant with PM-10 ambient standards under virtually all meteorological conditions. There are certain meteorological events, especially in the Laramie, WY area, that result in high TEOM readings despite all the preventative measures taken by MCC to minimize fugitive dust.

If the reader of this submittal understands the elements found in the section entitled "ASSESSMENT OF PLANT CONTROL OF FUGITIVE DUST COMPARED TO BACKGROUND" it should be clear that Mountain Cement Company has very little impact to the EAST TEOM when viewing long-term quarterly data; in this case three years worth of data. The assumption that the Company fails to control fugitives; thereby resulting in exceedences, during hours in which winds reached in excess of 60 mph (e.g. 61.71 mph at 5:00, January 18, 2012) is an absurd requirement placed on the source by regulatory agencies.

Electronic versions of all raw data and statistical data can be sent to the Division at its request. A copy of data sorted by wind degree sector is included as Attachment No. 12. The summary of calculations made regarding the 225-315 sector, considered potential influence of the MCC plant, and summaries of background estimates (i.e. non-215-315 sector data) is shown on the first page of the raw data.

Mountain Cement therefore requests the Division to exclude data attained by the EAST TEOM at 5:00AM on January 18, 2012 due to all of the evidence included with this submittal.

If you are in need of any more information regarding this submittal, please feel free to contact Mark Andrews, Environmental Manager at (307) 745-2621.

Sincerely yours,

Phil Lane
Plant Manager
Mountain Cement Company

Attachments

Cc:
Mr. Glenn Spangler – WDEQ-AQD, without attachments
Mr. Robert Gill – WDEQ-AQD, without attachments
USEPA Region VIII, without attachments
MCC file, with attachments

ATTACHMENT NO. 1

Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Matthew H. Mead, Governor

John Corra, Director

June 7, 2012

Mr. Mark Andrews
Mountain Cement Company
5 Sand Creek Rd.
Laramie, WY 82070

Re: May 3, 2012 Request for Flag under the Exceptional Event Rule for PM_{10} November 14, 2011 Exceedance

Dear Mr. Andrews,

The Air Quality Division (AQD) has reviewed the request to flag the November 14, 2011 PM_{10} ambient monitored data as an Exceptional Event in accordance with the 40 CFR Part 50.14 at the Mountain Cement Company (MCC) facility. A team of AQD staff were convened and have evaluated the MCC May 3, 2012 submittal and found significant deficiencies in the "weight of evidence" approach presented. The MCC request to flag the November 14, 2011 PM_{10} data as an Exceptional Event will not be pursued by the AQD.

As noted in the Division's July 15, 2011 letter; the exceptional event documentation packet should have been submitted with the 4th Quarter ambient monitoring report 60 days after the end of the quarter, in this case the submittal date for the November 14, 2011 exceptional event should have been February 28, 2011. The requirement to submit Exceptional Event packages to the AQD as noted in the July 15, 2011 letter takes into account the required deadline of July 1, 2012 to flag the data per 40 CFR Part 50.14, which entails completion of public notice requirements for the AQD and response to public comment. The MCC May 3, 2012 submittal shortened the typical timeframes, added limitations to the AQD review team and also created a situation that did not allow MCC to submit supplemental information after the AQD team review.

Many required elements needed to exclude event-related concentrations from regulatory determinations were not addressed in the MCC May 3, 2012 request. The required elements to justify data exclusion include but are not limited to:

- The event satisfies the criteria set forth in 40 CFR Part 50.1(j). The MCC request did not focus on or provide information to completely satisfy this requirement. Very few control or prevention strategies, and the subsequent impacts, are noted in the packet for this event.
- Clearly define the event in terms of either human activity that is unlikely to recur or natural event in accordance with 40 CFR Part 50.1(j). The MCC request failed to clearly define the November 14, 2011 exceedance in the above terms.
- An Exceptional Event cannot include air pollution relating to source noncompliance. There is no mention of source compliance records or documentation within the MCC request.

- There is a clear causal relationship between the measurement under consideration and the event that is claimed to have affected the air quality in the area.
- The event is associated with the measured concentration in excess of normal historical fluctuations, including background. Historical meteorological information is presented; however, there is no reference to historical PM_{10} concentrations at the facility.
- There would have been no exceedance or violation "but for" the event. MCC did not discuss this key element within the Exceptional Event documentation packet.
- Additional documentation as noted in the EPA's "Guidance on the Preparation of Demonstrations in Support of Requests to Exclude Ambient Air Quality Data Affected by High Winds under the Exceptional Events Rule". The AQD strongly encourages MCC to read this EPA guidance document and incorporate the strategies outlined in Exceptional Event packages. EPA Region 8 has specified that they will be using this draft high wind guidance to judge any High Wind Exceptional Events that are submitted to them.

The AQD level of review for Exceptional Event packages is greatly dependent on the level of detail and information provided by the facility in the request to flag exceedances. EPA has also provided examples of exceptional events demonstrations that meet the requirements of the draft high wind guidance. The following link http://www.epa.gov/ttn/analysis/exevents.htm is the best place to find examples of information that are needed to have EPA concur with an exceptional event demonstration. If you have questions please contact Amber Potts at (307) 777-2489 or amber.potts@wyo.gov.

Sincerely,

Amber Potts for Cara Keslar

Cara Keslar
Monitoring Section Supervisor

Cc: Amber Potts, Monitoring Section
Mountain Cement Monitoring File
Glenn Spangler, District 1 Engineer

ATTACHMENT NO. 2

Report of Elevated PM_{10} Concentrations
January 18, 2012
Mountain Cement Company, Inc. (MCC)

Sampler: R&P TEOM 1400a

Date of Sampling: January 18, 2012

24-Hour PM_{10} concentration (0000-2300): 171 ug/m^3

Summary

Mountain Cement Company (MCC) underwent a high wind event on January 18, 2012. The high winds averaged 27.8 mph (12.4 m/s) for the 24-hour period with hourly averages as high as 40.3 mph (18.0 m/s). This resulted in an exceedance of the National Ambient Air Quality Standard (NAAQS) for PM_{10} (150 ug/m^3 for a 24-hour average concentration). The data from the TEOM at the East Station show the major contributors to exceeding the NAAQS standard occurred during the 0200-1000 hours, with 1-hr concentrations peaking at 845 ug/m^3. Data collection for this day was 100% for meteorological data and 100% for PM_{10} data.

Discussion

Data:

On January 18, 2012, the TEOM at the East Station, located at about one-half mile east of MCC's plant, recorded a 24-hour PM_{10} concentration of 171 ug/m^3, with the highest hourly average recorded at 845 ug/m^3 during the 0500 hour. Figure 1 shows that the average hourly wind speed was 27.8 mph (12.4 m/s) during this day. Also, when PM_{10} concentrations were elevated during the 0200-1000 period wind speed was generally higher. Figure 2 and Figure 3 show that winds were largely from the west, with some contributions from the west-southwest and southwest.

Figure 4 shows the spatial relationship between the MCC plant, the meteorological station, and the two (2) TEOM stations. As seen in Figure 2, the largest contributions to the measured PM_{10} concentrations at the East Stations were from the west, which would have been blowing across the MCC plant property.

When compared to the period of August 1, 2007 to February 29, 2012, Figure 5 shows that the average hourly wind speeds on January 18, 2012 were significantly above normal most of the day. PM_{10} concentrations were generally high from 0200-1000 when wind speed first increased and was at its maximum for the day.

Figure 6 displays similar results using data only from January 14, 2012 – January 22, 2012. Wind speeds were higher than normal for the beginning and end of the day, though average hourly wind speeds were much higher during the period of elevated PM_{10} concentrations.

Table 1 and Table 2 show a summary of meteorological data for January 14, 2012 through January 22, 2012 and for January 18, 2012 only. The average wind speed for January 18 was nearly 46% higher than average when compared to the period from January 14, 2012 through January 22, 2012. Table 3 shows the data from the MCC meteorological station and the East TEOM station.

Table 4 presents data collected from the Laramie Regional Airport (about 4.5 miles northwest of MCC) obtained from Weather Underground (www.wunderground.com) for January 18, 2012. The data, consistent with data collected from MCC's meteorological station, show sustained wind speeds of 48.3 mph with gusts as high as 59.8 mph.

Figure 1.
Mountain Cement East Station TEOM
1/18/12 High Wind Event

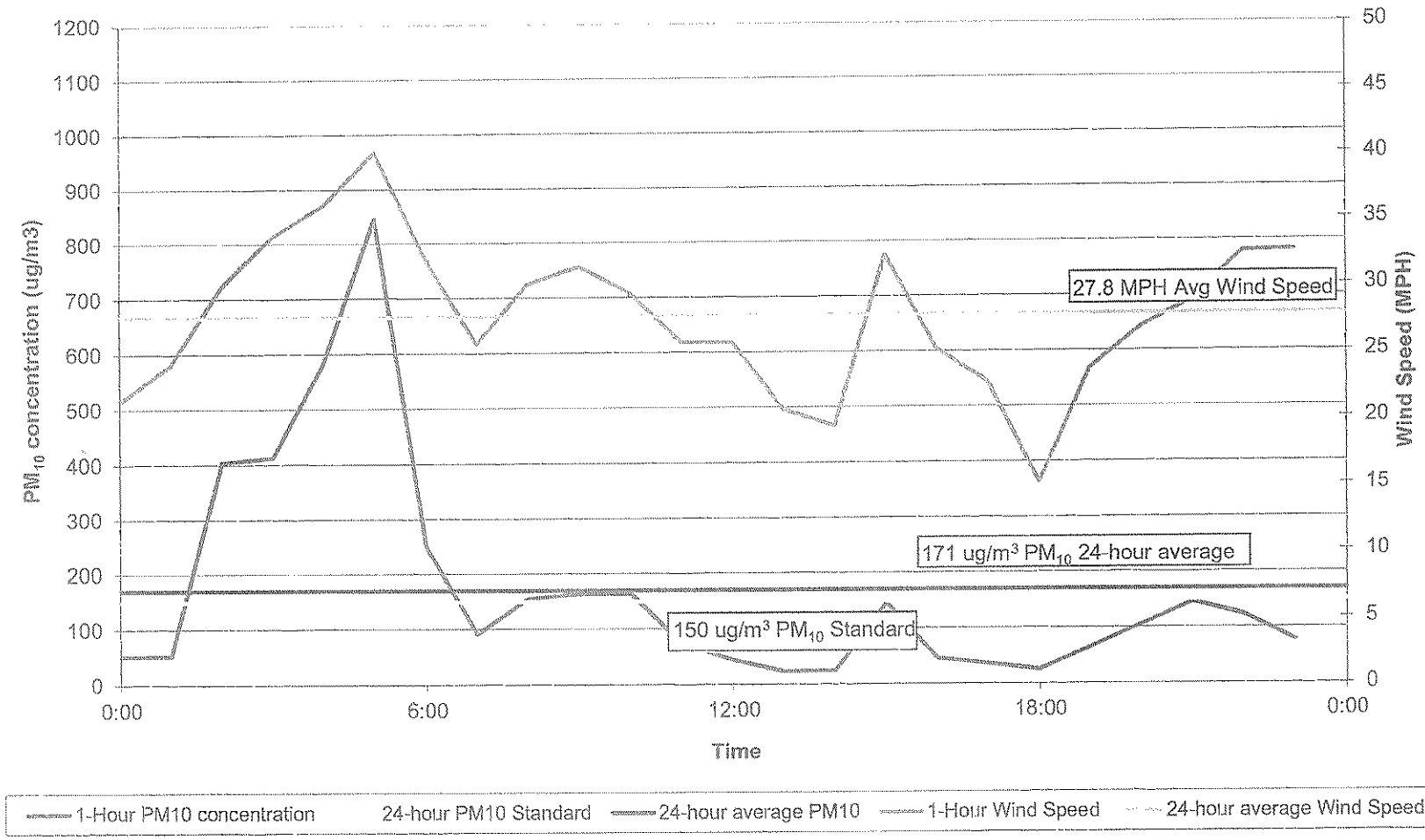
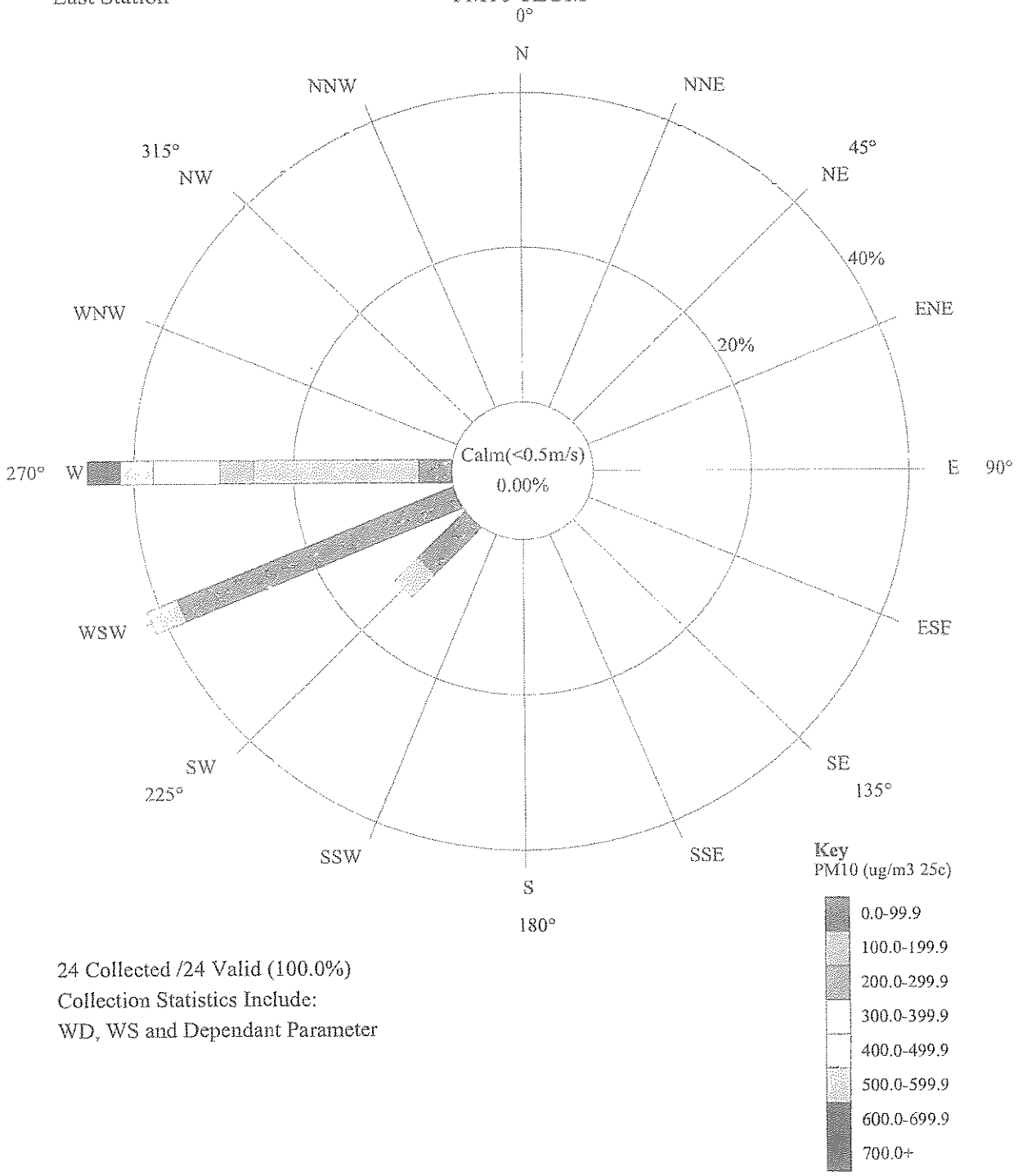


Figure 2

Mountain Cement
East Station

Pollutant Rose
PM10 TEOM

01/18/2012



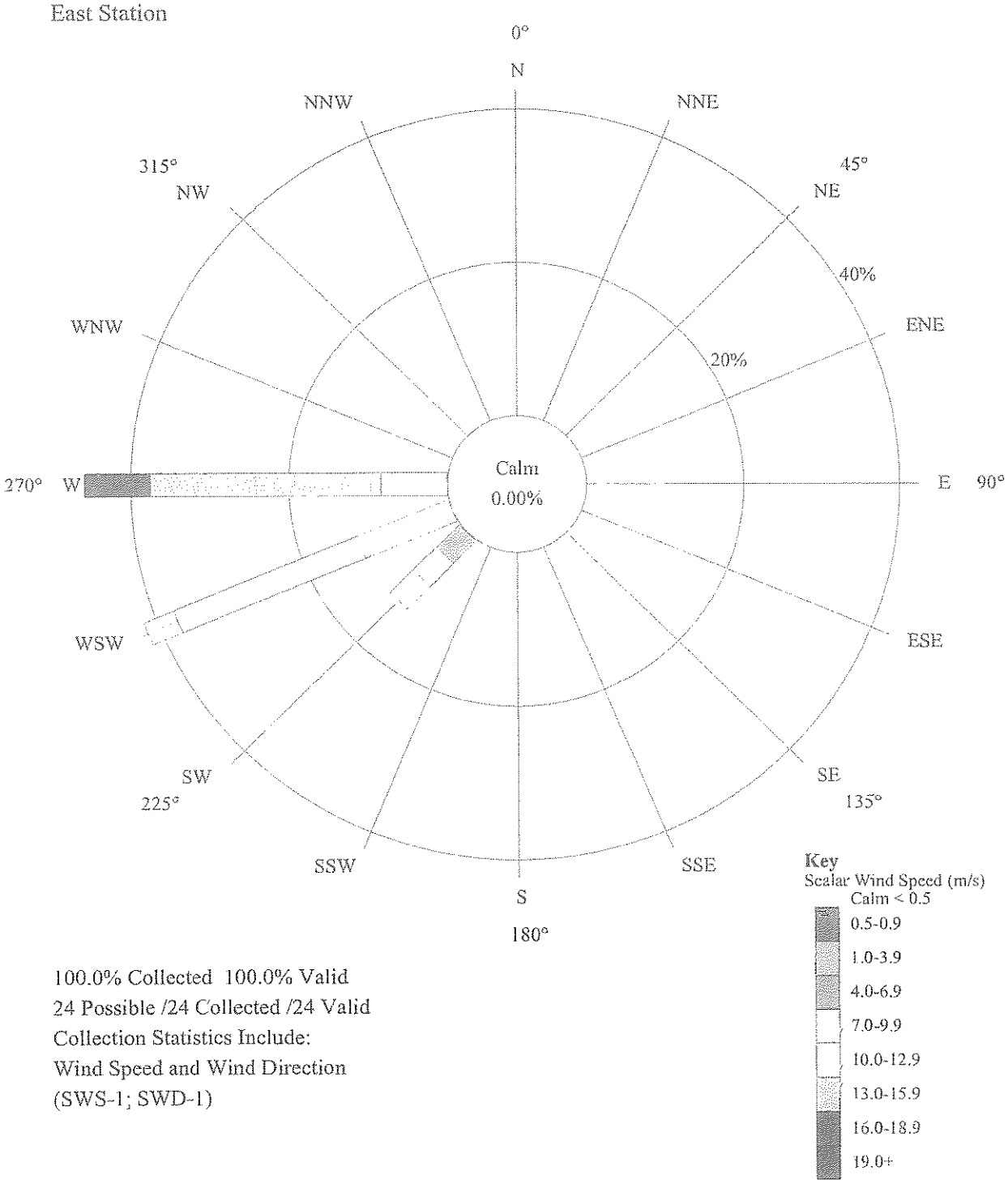
24 Collected /24 Valid (100.0%)
Collection Statistics Include:
WD, WS and Dependant Parameter

Figure 3

Mountain Cement
East Station

Wind Rose

01/18/2012



100.0% Collected 100.0% Valid
24 Possible /24 Collected /24 Valid
Collection Statistics Include:
Wind Speed and Wind Direction
(SWS-1; SWD-1)

Figure 4. Aerial photo of Mountain Cement East Station (LCPE) with wind direction overlay.

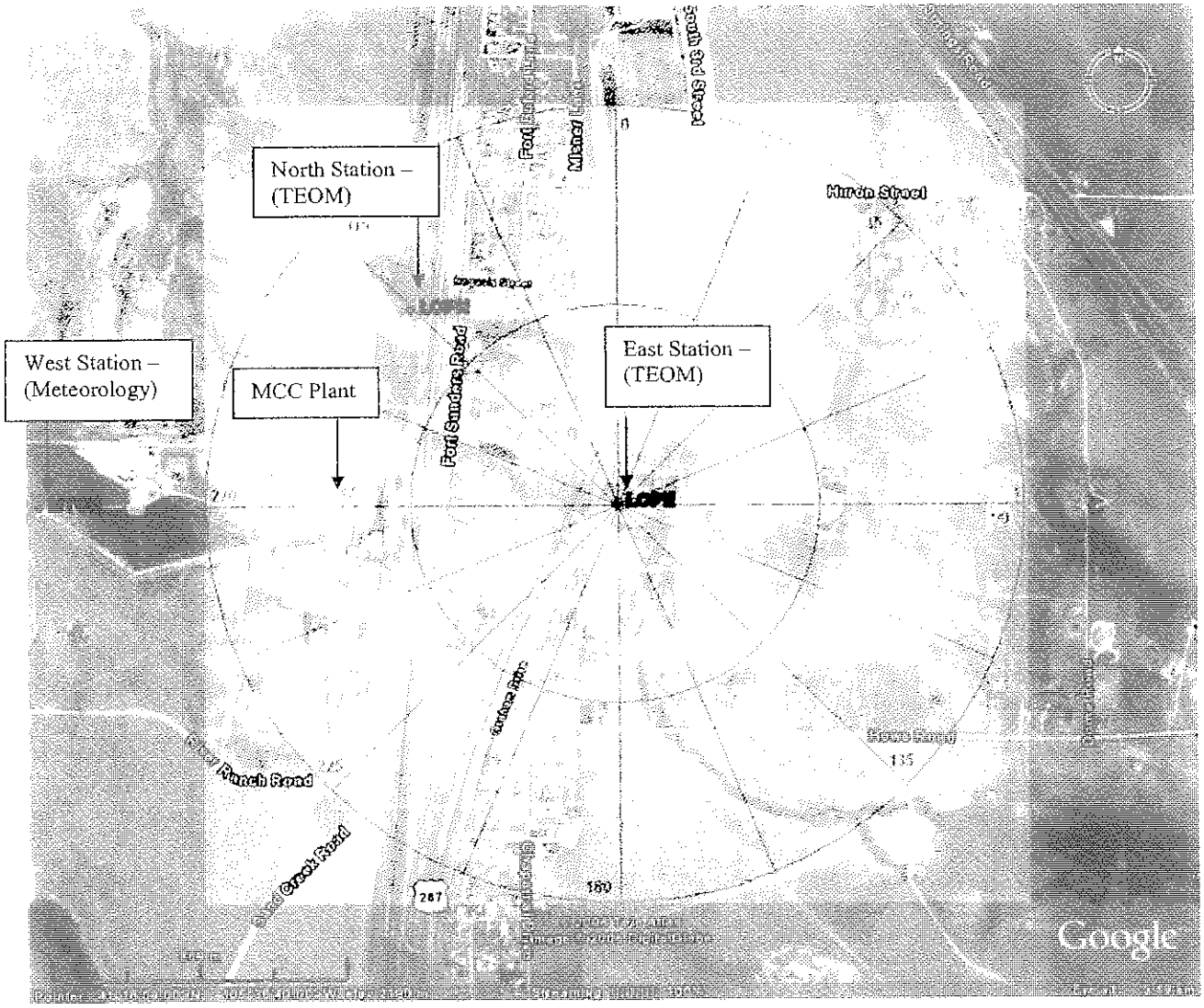


Figure 5. Wind Speed for 1/18/2012 vs Time of Day Average Wind Speed from 08/01/07- 2/29/12

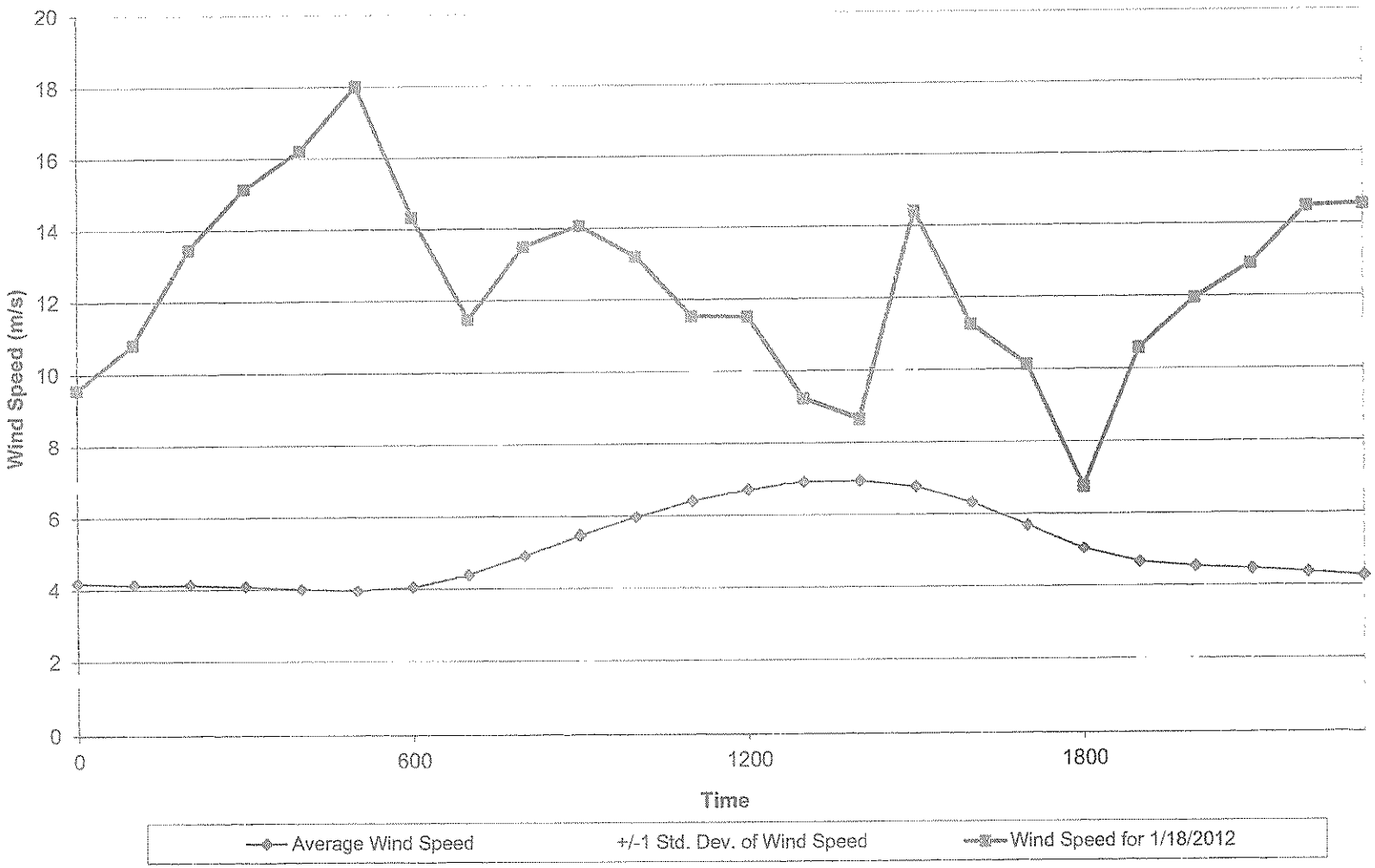


Figure 6. Wind Speed for 1/18/2012 vs Time of Day Average Wind Speed from 1/14/12 - 1/22/12

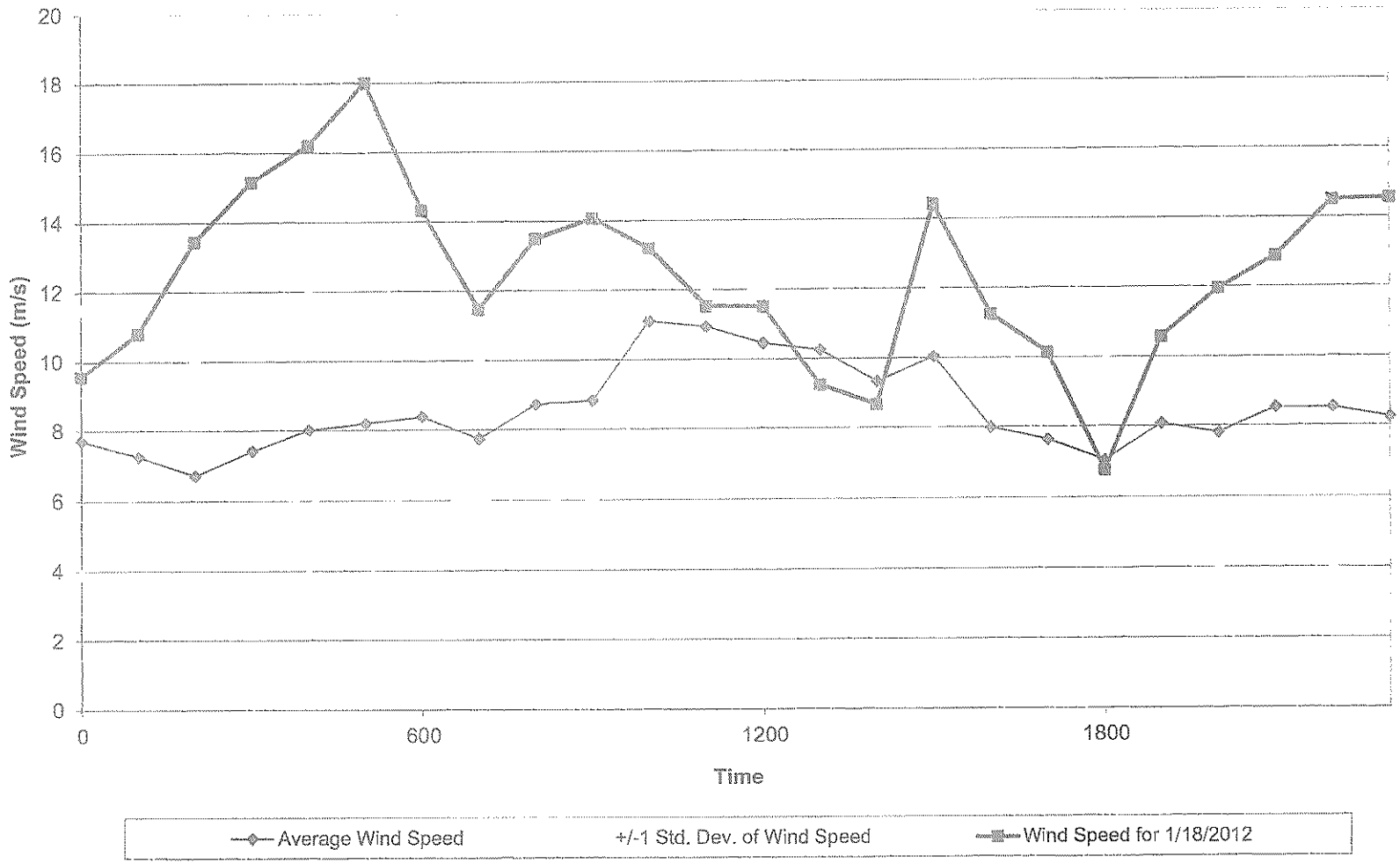


Table 1

Summary of Selected Meteorological Data

Mountain Cement West Station

Final Validation

01/14/2012 - 01/22/2012

Parameter	Value	Units	Number	Std Dev
SCALAR WIND SPEED				
Average	8.5	m/s	216	3.1
Maximum	18.0	m/s		
Percent calm = 0.00				
AMBIENT TEMPERATURE				
Average	-1.3	degC	216	6.2
Maximum	9.9	degC		
Minimum	-18.9	degC		
RELATIVE HUMIDITY				
Average	NA			
Maximum	NA			
Minimum	NA			

Note: Calms are included in the average scalar wind speed and are defined as winds less than 0.5 m/s (1.0 mph).

Table 2

Summary of Selected Meteorological Data

Mountain Cement West Station

Final Validation

01/18/2012 - 01/18/2012

Parameter	Value	Units	Number	Std Dev
SCALAR WIND SPEED				
Average	12.4	m/s	24	2.6
Maximum	18.0	m/s		
Percent calm = 0.00				
AMBIENT TEMPERATURE				
Average	-2.9	degC	24	3.2
Maximum	1.0	degC		
Minimum	-9.5	degC		
RELATIVE HUMIDITY				
Average	NA			
Maximum	NA			
Minimum	NA			

Note: Calms are included in the average scalar wind speed and are defined as winds less than 0.5 m/s (1.0 mph).

Table 3

Data from Mountain Cement West Station (Meteorology) and East Station (TEOM)

DATE DATE DATE	TIME TIME TIME	PM10 hourly validated ug/m3 25c	PM10 24-hour validated ug/m3 25c	SWS-1 validated m/s	SWD-1 validated deg	SDWD-1 validated deg	TMP-1 validated degC
1/18/2012	0	52.3	171.4	9.58	256.2	13.3	-9.5
1/18/2012	100	53.3	170.5	10.82	254.9	14.8	-8.4
1/18/2012	200	404.4	171.1	13.46	266.9	15.2	-7.2
1/18/2012	300	412.9	155.3	15.16	270.5	17.2	-6.5
1/18/2012	400	583.2	140	16.22	272.4	17.7	-5.9
1/18/2012	500	845	116.4	18.02	267.7	19.8	-5.5
1/18/2012	600	249.9	83	14.34	264.4	15.2	-5.7
1/18/2012	700	91.7	73.4	11.48	264.1	12.8	-5.7
1/18/2012	800	155.4	70.1	13.5	268	14.3	-4.7
1/18/2012	900	163.8	64.2	14.08	268.1	14.9	-3.9
1/18/2012	1000	165	58.1	13.21	264.7	14.9	-3.2
1/18/2012	1100	73.6	51.8	11.54	255.3	14.4	-2.5
1/18/2012	1200	44.2	49.5	11.52	251.2	13.7	-1.9
1/18/2012	1300	23.2	48.8	9.25	243.3	14.2	-1.2
1/18/2012	1400	24.6	48.9	8.68	237.1	15.3	-0.5
1/18/2012	1500	145.5	49	14.43	234.9	15.3	-0.8
1/18/2012	1600	46	43.4	11.26	239.3	12.2	-0.2
1/18/2012	1700	36.3	41.9	10.15	228.5	11.3	-0.7
1/18/2012	1800	25.6	40.8	6.76	231.1	12.9	0
1/18/2012	1900	65.3	40.1	10.59	255.6	14.2	1
1/18/2012	2000	105.7	37.6	11.96	258.1	15.4	0.8
1/18/2012	2100	145.7	35.9	12.9	258.9	16.7	0.6
1/18/2012	2200	123.4	33.9	14.5	262.9	17.9	0.5
1/18/2012	2300	77.1	30.6	14.55	255.6	18.1	0.5

Table 4

Table 4. Data for Laramie Regional Airport retrieved from Weather Underground for 1/18/12 (www.wunderground.com)

TimeMST	TemperatureF	Dew PointF	Humidity	Sea Level PressureIn	VisibilityMPH	Wind Direction	Wind SpeedMPH	Gust SpeedMPH	PrecipitationIn	Events	Conditions
12:53 AM	14	-2.9	47	30.01	10	WSW	20.7	32.2	N/A		Clear
1:53 AM	16	-0.9	47	29.98	10	WSW	24.2	36.8	N/A		Scattered Clouds
2:53 AM	18	1	48	29.94	10	West	33.4	49.5	N/A		Partly Cloudy
3:53 AM	19.9	1	44	29.92	10	West	41.4	59.8	N/A		Clear
4:53 AM	21	1	42	29.94	10	West	36.8	50.6	N/A		Clear
5:53 AM	21	3	46	29.93	8	West	48.3	55.2	N/A		Clear
6:53 AM	21	5	50	29.99	10	West	33.4	47.2	N/A		Overcast
7:53 AM	21.9	3.9	46	30.01	10	West	32.2	38	N/A		Overcast
8:53 AM	23	5	46	29.99	10	West	39.1	47.2	N/A		Overcast
9:53 AM	26.1	3.9	39	29.95	10	West	46	52.9	N/A		Partly Cloudy
10:53 AM	27	6.1	41	29.93	10	West	38	46	N/A		Clear
11:53 AM	28	7	41	29.89	10	WSW	38	50.6	N/A		Clear
12:53 PM	28.9	8.1	41	29.86	10	WSW	28.8	35.7	N/A		Overcast
1:53 PM	30.9	9	40	29.8	10	WSW	24.2	36.8	N/A		Scattered Clouds
2:53 PM	32	10.9	42	29.75	10	WSW	31.1	44.9	N/A		Mostly Cloudy
3:53 PM	30.9	12	46	29.73	10	WSW	32.2	46	N/A		Scattered Clouds
4:53 PM	30.9	12	46	29.77	10	WSW	32.2	44.9	N/A		Clear
5:53 PM	30.9	12.9	47	29.75	10	WSW	20.7	32.2	N/A		Clear
6:53 PM	33.1	12.9	43	29.77	10	West	26.5	42.6	N/A		Clear
7:53 PM	34	14	44	29.75	10	West	40.3	51.8	N/A		Clear
8:53 PM	32	18	56	29.77	10	West	38	48.3	N/A		Scattered Clouds
9:53 PM	33.1	19	56	29.73	9	West	42.6	58.7	N/A		Clear
10:53 PM	33.1	19.9	59	29.73	10	West	44.9	56.4	N/A		Scattered Clouds
11:53 PM	32	21	64	29.73	10	WSW	38	49.5	N/A		Scattered Clouds

ATTACHMENT NO. 3

History for Laramie, WY

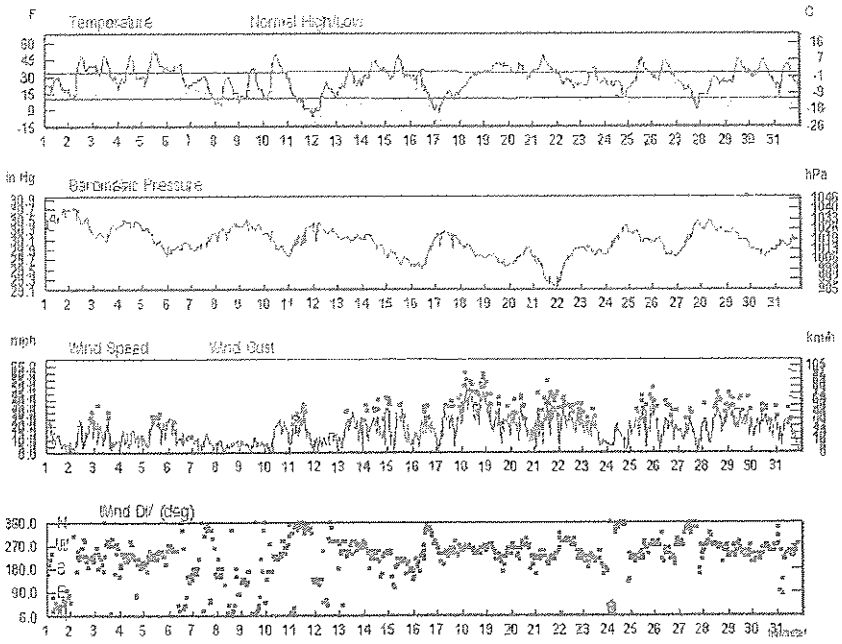
Month of January, 2012

Month of January, 2012

Previous Month January 1 2012 View Next Month

Daily Weekly **Monthly** Custom

	Max	Avg	Min	Sum
Temperature				
Max Temperature	54 °F	39 °F	18 °F	
Mean Temperature	39 °F	26 °F	7 °F	
Min Temperature	33 °F	13 °F	-8 °F	
Degree Days				
Heating Degree Days (base 65)	58	39	26	1197
Cooling Degree Days (base 65)	0	0	0	0
Growing Degree Days (base 50)	0	0	0	0
Dew Point				
Dew Point	29 °F	11 °F	-14 °F	
Precipitation				
Precipitation	0.00 in	0.00 in	0.00 in	0.00 in
Snowdepth	-	-	-	-
Wind				
Wind	52 mph	16 mph	0 mph	
Gust Wind	64 mph	31 mph	17 mph	
Sea Level Pressure				
Sea Level Pressure	30.74 in	30.03 in	29.13 in	



Certify This Report

Monthly Calendar Overview

Precipitation: Actual month total 0.00 Normal month total 0.27

Previous Month 2011 January 2012 2013 Next Month

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 Actual: 30 | 13 Precip: 0.00 Average: 33 | 10 Precip: 0.01	2 Actual: 49 | 9 Precip: 0.00 Average: 33 | 10 Precip: 0.01	3 Actual: 50 | 17 Precip: 0.00 Average: 33 | 10 Precip: 0.01	4 Actual: 50 | 17 Precip: 0.00 Average: 33 | 10 Precip: 0.00	5 Actual: 54 | 21 Precip: 0.00 Average: 33 | 10 Precip: 0.01	6 Actual: 42 | 19 Precip: 0.00 Average: 33 | 10 Precip: 0.01	7 Actual: 31 | 9 Precip: T Average: 33 | 10 Precip: 0.01
8 Actual: 31 | 3 Precip: 0.00 Average: 33 | 10 Precip: 0.01	9 Actual: 33 | 2 Precip: 0.00 Average: 33 | 10 Precip: 0.00	10 Actual: 49 | 8 Precip: 0.00 Average: 33 | 10 Precip: 0.01	11 Actual: 39 | -2 Precip: T Average: 34 | 10 Precip: 0.01	12 Actual: 34 | -3 Precip: 0.00 Average: 34 | 10 Precip: 0.01	13 Actual: 36 | 7 Precip: 0.00 Average: 34 | 10 Precip: 0.01	14 Actual: 43 | 20 Precip: 0.00 Average: 34 | 10 Precip: 0.01
15 Actual: 45 | 23 Precip: 0.00 Average: 34 | 10 Precip: 0.00	16 Actual: 37 | 3 Precip: T Average: 34 | 10 Precip: 0.01	17 Actual: 19 | -3 Precip: 0.00 Average: 34 | 10 Precip: 0.01	18 Actual: 34 | 11 Precip: 0.00 Average: 33 | 10 Precip: 0.01	19 Actual: 43 | 33 Precip: T Average: 33 | 10 Precip: 0.01	20 Actual: 42 | 26 Precip: 0.00 Average: 33 | 10 Precip: 0.01	21 Actual: 51 | 36 Precip: 0.00 Average: 33 | 10 Precip: 0.01
22 Actual: 35 | 18 Precip: T Average: 33 | 10 Precip: 0.00	23 Actual: 39 | 20 Precip: 0.00 Average: 33 | 10 Precip: 0.01	24 Actual: 28 | 7 Precip: T Average: 33 | 10 Precip: 0.01	25 Actual: 48 | 13 Precip: 0.00 Average: 33 | 10 Precip: 0.01	26 Actual: 46 | 31 Precip: T Average: 33 | 10 Precip: 0.01	27 Actual: 29 | 3 Precip: T Average: 33 | 10 Precip: 0.01	28 Actual: 29 | 5 Precip: 0.00 Average: 33 | 10 Precip: 0.01
29 Actual: 40 | 22 Precip: 0.00 Average: 33 | 10 Precip: 0.01	30 Actual: 40 | 36 Precip: 0.00 Average: 33 | 10 Precip: 0.01	31 Actual: 43 | 12 Precip: 0.00 Average: 33 | 10 Precip: 0.01				

Calendar Legend

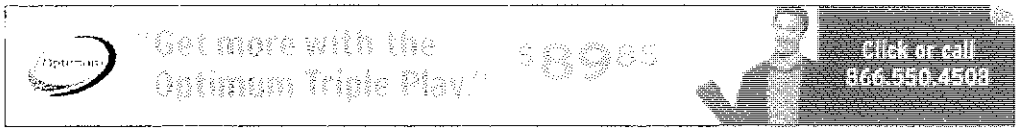
Sunny, Clear | Mostly Cloudy, Partly Sunny | Partly Cloudy, Mostly Sunny | Cloudy | Rain | Snow | Hail, Flurries | Thunderstorms | Hazy, Fog | Sleet | '?' denotes chance of | Unknown

Actual: 90 | 56 — Gold Category, Condition, High Temp, Low Temp
Precip: 0.00 — Precip (in inches)
Average: 71 | 53 — Daily Avg. Temp
Precip: 0.00 — Temps in °F

Daily Observations

2012	Temp. (°F)			Dew Point (°F)			Humidity (%)			Sea Level Press. (in Hg)			Visibility (mi)			Wind (mph)			Precip. (in)	Events
Jan	high	avg	low	high	avg	low	high	avg	low	high	avg	low	high	avg	low	high	avg	high	sum	
1	30	22	13	13	7	0	73	56	39	30.71	30.52	30.25	10	10	10	30	11	35	0.00	
2	49	29	9	22	14	4	76	53	29	30.74	30.52	30.21	10	10	10	25	12	32	0.00	
3	50	34	17	17	14	11	63	42	21	30.38	30.22	30.07	10	10	10	32	13	38	0.00	
4	50	34	17	18	13	10	74	49	23	30.48	30.41	30.32	10	10	10	21	10	25	0.00	
5	54	38	21	20	16	12	68	44	19	30.32	30.09	29.77	10	10	10	29	16	32	0.00	
6	42	31	19	20	16	0	91	54	17	30.04	29.94	29.81	10	10	10	31	13	39	0.00	
7	31	20	9	22	16	6	92	71	49	30.22	30.00	29.87	10	8	2	17	6	22	T	Snow
8	31	17	3	14	7	0	91	65	39	30.40	30.27	30.06	10	10	10	12	5	13	0.00	
9	38	23	8	21	13	4	92	70	48	30.46	30.35	30.28	10	10	10	12	6	15	0.00	
	49	29	8	20	12	7	92	56	19	30.24	30.01	29.75	10	10	10	30	13	36	0.00	

2012	Temp. (°F)			Dew Point (°F)			Humidity (%)			Sea Level Press. (in)			Visibility (mi)			Wind (mph)			Precip. (in)	Events
[illegible]	29	11	-8	21	6	-14	92	76	59	30.38	30.05	29.77	10	5	1	31	15	38	T	Snow
[illegible]	24	8	-8	8	-1	-14	64	57	49	30.41	30.27	30.06	10	10	10	20	9	24	0.00	
[illegible]	38	23	7	10	4	-2	63	46	29	30.17	30.11	30.04	10	10	10	33	17	39	0.00	
[illegible]	46	33	20	11	9	6	46	34	22	30.19	30.02	29.77	10	10	10	33	19	41	0.00	
[illegible]	49	36	23	7	2	-5	42	28	13	29.86	29.72	29.57	10	10	10	36	17	47	0.00	
[illegible]	37	20	3	27	14	-8	84	58	31	30.05	29.65	29.51	10	7	0	30	16	36	T	Fog , Snow
17	18	7	-5	-2	-6	-12	65	51	37	30.25	30.16	29.93	10	10	10	39	19	46	0.00	
18	34	25	11	21	8	-3	56	47	37	30.01	29.86	29.73	10	10	8	51	35	62	0.00	
19	43	38	33	27	25	21	69	61	53	29.81	29.68	29.54	10	10	10	52	23	64	T	
21	42	34	25	26	22	19	78	61	43	29.94	29.76	29.60	10	10	10	37	20	46	0.00	
21	51	39	26	29	23	17	75	53	31	29.77	29.41	29.13	10	10	10	44	23	55	0.00	
22	35	27	18	25	17	4	96	70	44	29.93	29.61	29.17	10	6	0	36	22	41	T	Fog , Snow
[illegible]	39	30	20	14	10	7	62	47	32	29.95	29.86	29.77	10	10	10	31	15	38	0.00	
[illegible]	28	18	7	24	17	4	100	79	57	30.36	30.07	29.78	10	8	1	26	10	32	T	Snow
[illegible]	48	33	17	21	13	1	67	48	28	30.25	30.13	30.01	10	10	10	43	21	49	0.00	
[illegible]	46	34	21	29	20	12	78	53	27	30.12	29.89	29.73	10	9	2	33	18	40	T	Snow
[illegible]	29	13	-3	21	13	-3	95	79	62	30.45	30.08	29.75	10	5	0	28	14	35	T	Fog , Snow
28	29	17	5	7	1	-4	53	49	34	30.47	30.32	30.22	10	10	10	39	22	46	0.00	
[illegible]	46	34	22	18	11	0	50	39	28	30.29	30.14	29.92	10	10	10	39	25	46	0.00	
[illegible]	46	36	26	18	13	8	68	45	22	29.91	29.85	29.74	10	10	10	31	20	38	0.00	
[illegible]	42	27	12	11	8	3	76	48	20	30.13	30.01	29.86	10	10	10	30	14	36	0.00	



ATTACHMENT NO. 4

History for Laramie, WY

Month of December, 2011

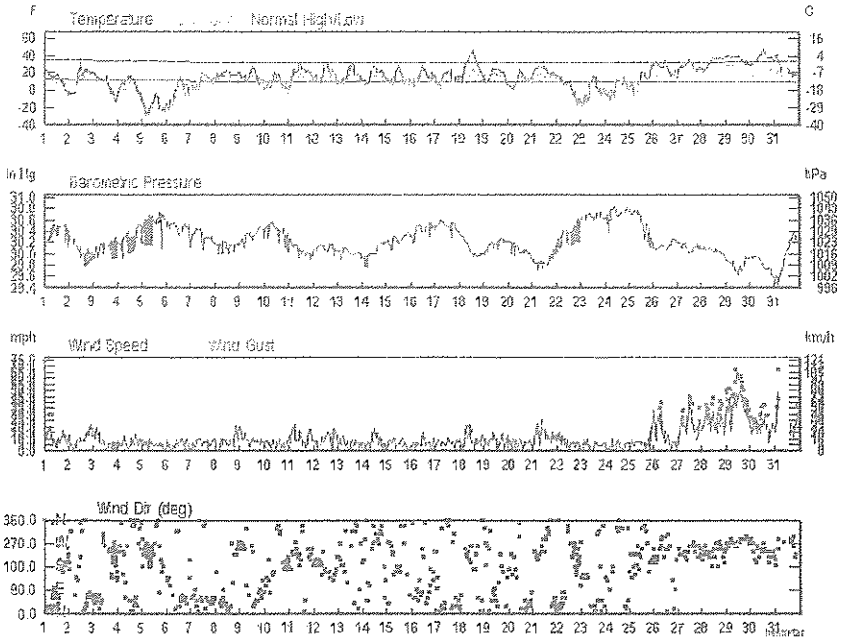
Month of December, 2011

Previous Month December 1 2011 View Next Month

Daily Weekly **Monthly** Custom

	Max	Avg	Min	Sum
Temperature				
Max Temperature	47 °F	27 °F	-2 °F	
Mean Temperature	37 °F	14 °F	-15 °F	
Min Temperature	29 °F	0 °F	-29 °F	
Degree Days				
Heating Degree Days (base 65)	80	51	28	1580
Cooling Degree Days (base 65)	0	0	0	0
Growing Degree Days (base 50)	0	0	0	0
Dew Point				
Dew Point	29 °F	6 °F	-31 °F	
Precipitation				
Precipitation	0.04 in	0.00 in	0.00 in	0.05 in
Snowdepth	-	-	-	-
Wind				
Wind	59 mph	9 mph	0 mph	
Gust Wind	68 mph	29 mph	16 mph	
Sea Level Pressure				
Sea Level Pressure	30.84 in	30.19 in	29.46 in	

AdChoices



Certify This Report

Monthly Calendar Overview

Precipitation: Actual month total 0.06 Normal month total 0.32

Previous Month 2010 December 2011 2012 Next Month

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 Actual: 26 | -7 Precip: 0.04 Average: 34 | 12 Precip: 0.01	2 Actual: 33 | -7 Precip: 0.02 Average: 34 | 11 Precip: 0.01	3 Actual: 20 | -10 Precip: T Average: 33 | 11 Precip: 0.02
4 Actual: 16 | -12 Precip: T Average: 33 | 11 Precip: 0.01	5 Actual: -2 | -20 Precip: 0.00 Average: 33 | 11 Precip: 0.01	6 Actual: 15 | -27 Precip: 0.00 Average: 33 | 11 Precip: 0.01	7 Actual: 22 | -1 Precip: 0.00 Average: 32 | 10 Precip: 0.01	8 Actual: 23 | 10 Precip: T Average: 32 | 10 Precip: 0.01	9 Actual: 27 | 6 Precip: 0.00 Average: 32 | 10 Precip: 0.02	10 Actual: 23 | -6 Precip: 0.00 Average: 32 | 10 Precip: 0.01
11 Actual: 33 | -6 Precip: 0.00 Average: 32 | 10 Precip: 0.01	12 Actual: 32 | 6 Precip: 0.00 Average: 32 | 10 Precip: 0.01	13 Actual: 32 | 5 Precip: 0.00 Average: 32 | 10 Precip: 0.01	14 Actual: 28 | 2 Precip: 0.00 Average: 32 | 10 Precip: 0.01	15 Actual: 30 | 3 Precip: 0.00 Average: 32 | 10 Precip: 0.01	16 Actual: 28 | 2 Precip: 0.00 Average: 32 | 10 Precip: 0.01	17 Actual: 25 | 2 Precip: 0.00 Average: 32 | 10 Precip: 0.01
18 Actual: 46 | 0 Precip: 0.00 Average: 32 | 10 Precip: 0.01	19 Actual: 44 | 6 Precip: T Average: 32 | 10 Precip: 0.01	20 Actual: 24 | -1 Precip: 0.00 Average: 32 | 10 Precip: 0.01	21 Actual: 29 | 5 Precip: T Average: 32 | 10 Precip: 0.01	22 Actual: 18 | -10 Precip: T Average: 32 | 10 Precip: 0.01	23 Actual: 10 | -22 Precip: 0.00 Average: 32 | 10 Precip: 0.01	24 Actual: 16 | -14 Precip: 0.00 Average: 32 | 10 Precip: 0.01
25 Actual: 31 | -6 Precip: 0.00 Average: 32 | 10 Precip: 0.00	26 Actual: 34 | 12 Precip: 0.00 Average: 32 | 10 Precip: 0.01	27 Actual: 35 | 14 Precip: 0.00 Average: 32 | 10 Precip: 0.01	28 Actual: 39 | 21 Precip: 0.00 Average: 32 | 10 Precip: 0.01	29 Actual: 40 | 20 Precip: T Average: 33 | 10 Precip: 0.01	30 Actual: 47 | 27 Precip: 0.00 Average: 33 | 10 Precip: 0.01	31 Actual: 41 | 13 Precip: 0.06 Average: 33 | 10 Precip: 0.01

Calendar Legend

Sunny / Clear · Mostly Cloudy / Partly Sunny · Partly Cloudy / Mostly Sunny · Cloudy · Rain · Snow · Hail / Flurries · Thunderstorms · Hazy / Fog · Sleet · "?" denotes "chance of" · Unknown

Data Category
Condition
High Temp.
Lo Temp
Precip. (in inches)
Daily Avg. Temp.
Temp. in °F

Actual: 90 | 58
Precip 0.00
Average: 71 | 53
Precip: 0.03

Daily Observations

2011	Temp. (°F)			Dew Point (°F)			Humidity (%)			Sea Level Pressure (in Hg)			Visibility (mi)			Wind (mph)			Precip. (in)	Events
Dec	high	avg	low	high	avg	low	high	avg	low	high	avg	low	high	avg	low	high	avg	high	sum	
1	26	9	-7	23	12	-9	100	84	67	30.53	30.32	30.07	10	4	0	24	10	31	0.04	Fog , Snow
2	33	13	-7	21	11	-9	92	78	63	30.34	30.01	29.78	10	5	0	22	8	26	0.02	Fog , Snow
3	20	2	-16	14	-2	-18	92	81	70	30.29	30.02	29.91	10	5	0	23	7	28	T	Fog , Snow
4	16	2	-12	11	3	-14	87	80	73	30.53	30.20	29.92	10	8	1	15	5	18	T	Snow
5	-2	-15	-29	-9	-23	-31	100	86	71	30.74	30.36	30.08	10	5	1	9	4	10	0.00	
6	15	-6	-27	6	-8	-24	88	77	65	30.55	30.46	30.33	10	10	10	12	5	13	0.00	
7	22	11	-1	11	5	-2	95	79	62	30.45	30.30	30.07	10	10	10	13	5	15	0.00	
8	23	17	10	18	13	6	88	72	56	30.23	30.12	29.99	10	8	0	22	7	24	T	Fog , Snow
	27	17	6	16	8	4	68	72	55	30.48	30.33	30.09	10	10	10	25	8	29	0.00	

2011	Temp. (°F)			Dew Point (°F)			Humidity (%)			Sea Level Press. (in)			Visibility (mi)			Wind (mph)			Precip. (in)	Events
	23	9	-6	13	3	-8	100	84	66	30.57	30.33	30.06	10	7	0	10	4	12	0.00	Fog
	33	14	-6	19	9	-8	87	71	54	30.25	30.08	29.89	10	9	0	26	10	30	0.00	Fog
	32	19	6	19	11	2	88	73	58	30.17	30.09	29.96	10	10	10	21	9	24	0.00	
	32	19	5	22	12	3	96	82	68	30.09	30.01	29.90	10	10	10	13	5	13	0.00	
	28	15	2	16	11	0	92	78	63	30.20	29.99	29.77	10	8	1	20	7	23	0.00	
	30	17	3	17	8	3	100	82	63	30.37	30.25	30.07	10	10	9	12	5	14	0.00	
	28	15	2	15	8	1	91	74	56	30.54	30.42	30.19	10	10	10	17	5	20	0.00	
	25	14	2	13	6	-2	91	73	54	30.60	30.49	30.27	10	10	10	12	5	14	0.00	
	46	26	6	24	13	3	83	58	32	30.39	30.10	29.94	10	10	10	24	8	29	0.00	
	24	15	6	21	14	4	96	79	62	30.28	30.15	28.98	10	10	10	17	7	20	T	
	24	12	-1	15	7	-1	96	84	71	30.22	30.08	29.94	10	10	4	13	5	15	0.00	
	29	18	6	19	15	5	88	75	62	30.11	29.90	29.71	10	7	2	28	12	38	T	Snow
	18	0	-18	16	-2	-20	100	88	76	30.61	30.25	30.02	10	4	0	17	6	23	T	Fog , Snow
	18	-2	-22	7	-6	-22	91	75	59	30.76	30.66	30.60	10	10	10	12	4	12	0.00	
	16	1	-14	6	-2	-18	91	79	66	30.84	30.72	30.37	10	10	10	10	3	12	0.00	
	31	14	-4	18	4	-8	87	73	58	30.77	30.52	30.12	10	10	10	26	7	30	0.00	
	34	23	12	18	12	6	57	53	38	30.26	30.14	30.05	10	10	8	33	12	45	0.00	
	35	25	14	16	12	4	71	55	39	30.20	30.11	30.01	10	10	10	39	21	45	0.00	
	30	30	21	29	22	12	79	63	50	30.12	30.05	29.92	10	10	10	29	22	35	0.00	
	40	35	29	29	24	16	70	61	52	29.94	29.80	29.63	10	10	10	59	36	68	T	
	47	37	27	29	22	12	63	55	47	29.94	29.82	29.57	10	10	10	36	19	45	0.00	
	41	28	16	23	12	3	71	58	44	30.30	29.97	29.46	10	10	10	33	18	41	0.00	Rain

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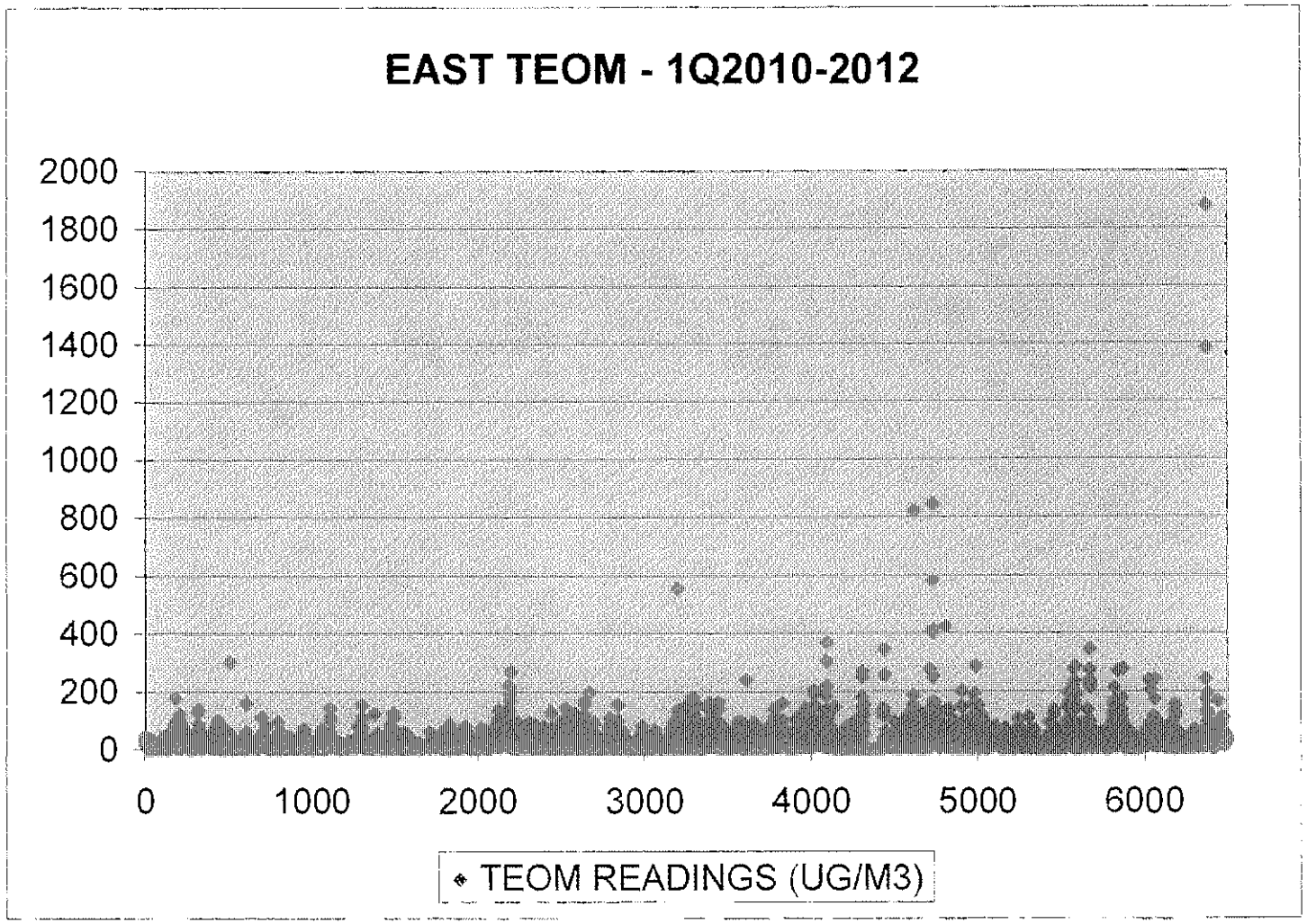
ATTACHMENT NO. 5

PARTICULATE READING OUTLIERS



ATTACHMENT NO. 6

April 30, 2012

Mike Slate, *et al.*,
Air Resource Management, Inc.
1901 Sharp Point Drive
Suite E
Fort Collins, CO 80525

Re: Analysis of March 28, 2012 East TOM exceedance filter particle assemblage, with comparisons to industrial process (cement plant) and roadway particle types: *Chemoptix #G-MIC-10886.*

Dear Mike:

The filter cited herein has been analyzed using a variety of qualitative and quantitative microscopic techniques, per ASTM D1245 and ASTM F312. Previous sample submissions and exceedances were compared and used as reference standards. The results should be of interest:

Result Summary:

The anomaly in this exceedance is within the 10-50µm carbonate mineral fractions. This relatively coarse material consisted of cleavage fragments, and was not complimented by an increase in precipitated calcium carbonate fines well represented on site and prevalent within the May 11 2010 exceedance. In this manner, the carbonate mineral assemblage matches that seen in the *Road Dust* reference material. The presence of tire wear appears to corroborate this result. Coal dust particles appear to be present but were rare.

Methods:

The filter was examined using diffuse fluorescent illumination under low magnification and a dissection stereomicroscope. Dissected fractions were mounted in n_D 1.550 high-dispersion refractive index oil, and analyzed with respect to birefringence, fracture and transport morphology using transmitted polarized light (PLM); and PLM with a 530 nm retardation plate. Quantitative evaluation was performed using a CCD chip digital camera with particle dimension analysis software using PLM microscopy after hand agitation and resuspension within the refractive index oil. Particle size distributions were performed on the same particle population for both total particles (via the 530 nm retardation plate) and highly birefringent calcium carbonate particles (via crossed polars), and compared to a *LCPE* filter baseline datum (February 3, 2010) and a reported exceedance from May 11, 2010. The particle assemblage was qualified by comparisons for both carbonate mineral species and the general particle assemblage to *Clinker*, *Raw Feed* and *Road Way* reference samples previously analyzed at this laboratory.

Results:

Relative particle size distributions (the ratio of carbonate minerals to total particles) are as follows: particle size distribution scatter-grams and statistical data are also presented below.

% Carbonates to total particles	*LCPE 2/3/10*	*LCPE Exceedance 5/11/10*	*E TOM March 2012 Exceedance*	*Δ LCPE (2/3/10 reference datum)*
1-2.5 µm	14.9%	17.4%	10.0%	-4.9%
2.5-5 µm	48.5%	53.6%	41.6%	-6.9%
5-10 µm	39.7%	59.1%	39.5%	-0.2%
10-20 µm	7.1%	20.5%	23.4%	+16.3%

20-50 µm	0.7%	3.4%	8.9%	+8.2%
Particles analyzed	*n* =7154 carbonates: *n* = 1822	*n* =10,286 carbonates: *n* = 3292	*n* =9936 carbonates: *n* = 2279	--

PARTICLE SIZE DISTRIBUTION

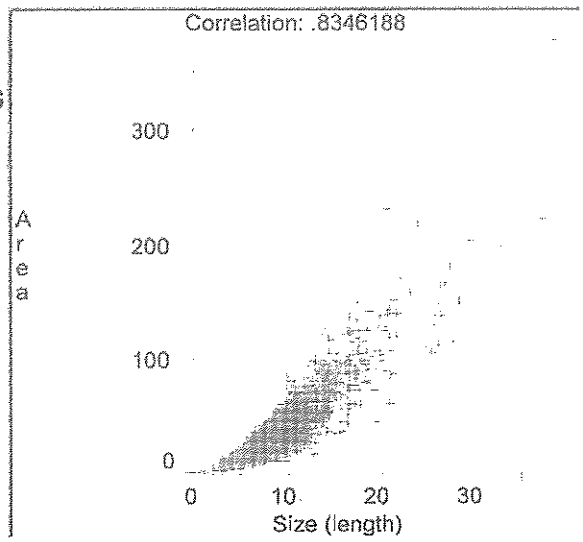
Analyst: Stan Cassell
Chemoptix ID#: G-MIC-10886; E TOM Exceedance
Client: Air Resource
Project Manager: Mike State

Date Sampled: 03/28/12
Date Analyzed: 04/30/12
Matrix: resuspension from filter
Volume Filtered: –

A particle size distribution has been completed on this sample.
The particles have been sized using a Zeiss Universal research microscope equipped with NIST traceable calibrated optics. Image capture is done using a SPOT RT digital camera with image anaylsis by Image Pro Plus.

Total Particles Analyzed: n = 9936

SIZE RANGE	TOTAL PARTICLES COUNTED
1-2.5um	5366
2.5-5um	2145
5-10um	1789
10-20um	591
20-50um	45
50-100um	<1
>100um	<1



RELATIVE
PARTICLE SIZE DISTRIBUTION

Class	Objects	% Area	Mean Area	Std.dev. Area	Max Area	% Size (length)	Mean Size (length)	Std.dev. Size (length)	Max Size (length)	(Range of...	Size (length))
1	5366	11.601686	2.8006887	1.0791881	8.4180737	18.728992	1.2550554	.47173712	2.1539307	.80000001	2.50
2	2145	15.121072	8.4795580	3.3370874	21.512856	21.612139	3.6230105	.71192867	4.9874878	2.50	5
3	1789	37.114510	24.954641	10.540868	84.180740	35.372761	7.1098061	1.3658538	9.9901581	5	10
4	591	30.403883	61.881310	26.437683	214.19321	21.150410	12.868574	2.4009919	19.907928	10	20
5	45	5.7588525	153.93643	57.276882	376.94263	3.13570	25.056543	4.8216186	38.638306	20	50
6	0	0	0	0	0	0	0	0	0	50	100
7	0	0	0	0	0	0	0	0	0	100	10000

Particle analysis performed at 100x magnification.
*All dimensions are in micrometers (um).

Comments:

G-MIC-10886: E. TOM Exceedance (continued), all particles:

NOTE: This size distribution is for all particle types recovered from this TOM filter.

1-2.5 um particles are better resolved when bracketed as 0.8-2.5 um.

PARTICLE SIZE DISTRIBUTION

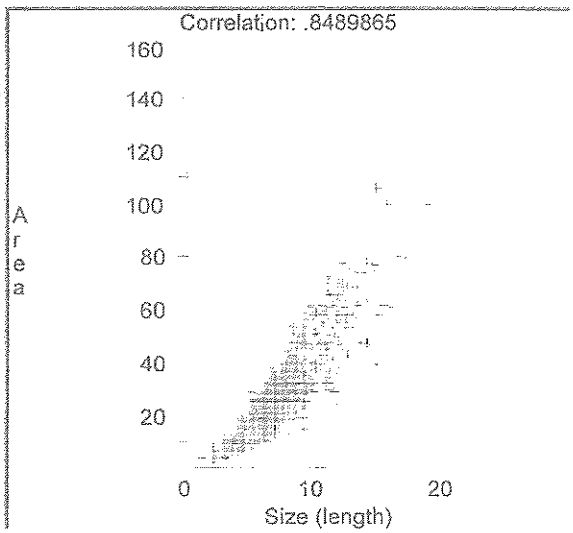
Analyst: Stan Cassell
Chemoptix ID#: G-MtC-10886; E TOM Exceedance
Client: Air Resource
Project Manager: Mike Slate

Date Sampled: 03/28/12
Date Analyzed: 04/30/12
Matrix: resuspension from filter
Volume Filtered: --

A particle size distribution has been completed on this sample.
The particles have been sized using a Zeiss Universal research microscope equipped with NIST traceable calibrated optics. Image capture is done using a SPOT RT digital camera with image maylsis by Image Pro Plus.

Carbonate Particles Analyzed: n = 2279

SIZE RANGE	TOTAL PARTICLES COUNTED
1-2.5um	537
2.5-5um	893
5-10um	707
10-20um	138
20-50um	4
50-100um	<1
>100um	<1



RELATIVE
PARTICLE SIZE DISTRIBUTION

Class	Objects	% Area	Mean Area	Std.dev. Area	Max Area	% Size (length)	Mean Size (length)	Std.dev. Size (length)	Max Size (length)	(Range of...	Size (length))
1	537	4.6852942	3.3529468	1.3131276	8.4180737	7.4972582	1.5110071	.55157650	2.1539307	.80000001	2.50
2	893	23.682032	10.191347	3.9237926	28.995588	30.978111	3.7544105	.70552379	4.9887695	2.50	5
3	707	47.719418	25.938198	10.047057	64.538567	44.726818	6.8467879	1.2720597	9.9570618	5	10
4	138	22.552694	62.803440	19.606493	121.59440	15.911950	12.479081	2.0223515	19.068359	10	20
5	4	1.3605609	130.71399	20.097603	161.81409	.86586038	23.968651	2.8437071	27.640930	20	50
6	0	0	0	0	0	0	0	0	0	50	100
7	0	0	0	0	0	0	0	0	0	100	10000

Particle analysis performed at 100x magnification.
*All dimensions are in micrometers (um).

Comments:

G-MIC-10886: E. TOM Exceedance (continued), carbonate particles:

NOTE: This size distribution is for carbonate minerasls recovered from this TOM filter.

1-2.5 um particles are better resolved when bracketed as 0.8-2.5 um.

Discussion:

The absence of precipitated calcium carbonate fines within this assemblage suggests that the carbonate material seen here has a different point of origin. Road activity was represented by the presence of tire wear: the contribution from roads is a possible factor within the exceedance.

Thank you for your considerable patience during our investigation into this interesting material. If you have questions, need further testing, hard data or require elaboration on any aspect of this project, feel free to call (503) 636-9251, or email me at stancassell@chemoptix.com.

Respectfully Submitted,

Stan Cassell,
Microanalyst

ATTACHMENT NO. 7

MOUNTAIN
CEMENT COMPANY

MOUNTAIN CEMENT COMPANY

SUBJECT: January 18, 2012

On the day of January 18, 2012 Mountain Cement Plant enacted its High Wind Event Plan in response to weather conditions where the daily average wind speed was 27.81 mph (max. 61.7 mph maximum winds). A high wind advisory was given to plant managers and supervisors on the preceding day, to plan plant operations and maintenance accordingly.

Plant water applications were more than quadrupled the average daily rate. Plant watering of roadways totaled 62,000 gallons, compared to a yearly average daily rate of 11,169 gallons per day.

Baghouse dust sales pickups were suspended for the day.

Outside clinker storage transfers were suspended for the day, and all doors of the clinker storage building were closed.

Non-essential maintenance activities involving outside work or use of plant vehicles were suspended for the day.

The plant's kiln operations were normal, with no upsets or exceedences of permit limits or visible emissions noted during daily USEPA Method 22 inspections.

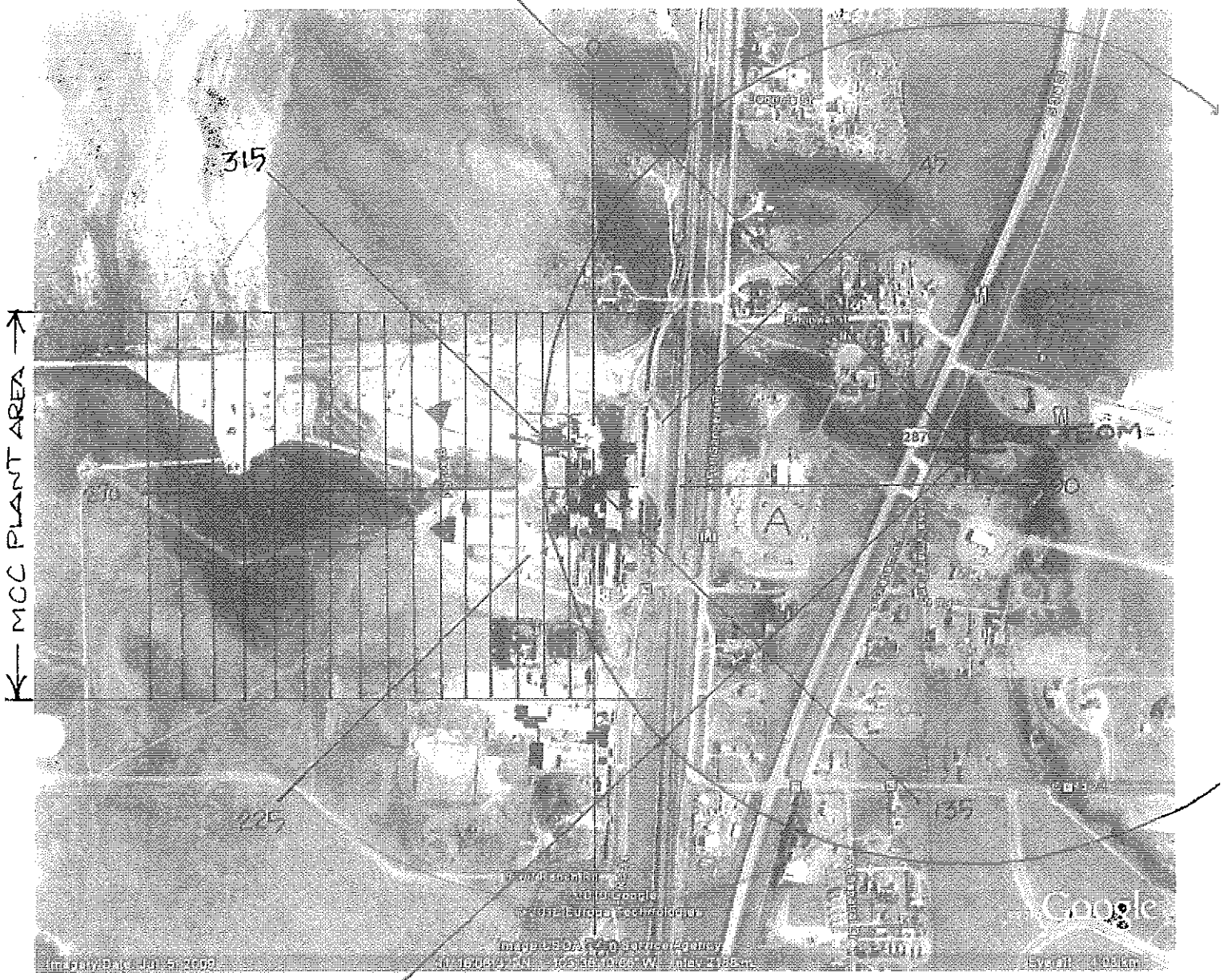
The plant shipments of product (bulk cement) amounted to 1754.93 tons, this is a normal amount of plant shipments during non-peak times. Summer month shipments are typically 3,000 – 4,000 tons per day, or 75-100 bulk cement trucks.

5 Sand Creek Road Laramie, WY 82070 (307) 745-4879 (307) 742-4534 FAX www.mountaincement.com

ATTACHMENT NO. 8

ATTACHMENT NO. E

315 DEG FROM EAST TEOM



225 DEG FROM EAST TEOM

THE 225-315 DEGREE SECTOR INCLUDES MCC PLANT AREA, ALONG WITH SUBSTANTIAL NON-MCC AREA INCLUDED TO ACCOUNT FOR VARIATIONS IN WIND DIRECTIONS THAT MIGHT OCCUR OVER THE COURSE OF HOURLY READINGS.

THE EAST TEOM IS POSITIONED SLIGHTLY NORTH OF THE MCC'S PLANT CENTERLINE, ABOUT 40YDS FROM HIGHWAY 287 AND EAST OF BURGENER TRUCKING COMPANY (LABELED "A").

ATTACHMENT NO. 9

MOUNTAIN
CEMENT COMPANY

5 Sand Creek Rd.
Laramie, Wyoming 82070
(307) 745-4879 Fax (307) 742-4534

April 9, 2012

Administrator
WDEQ – Air Quality Division
122 West 25th Street, 2nd East
Cheyenne, Wyoming 82002

Re: 1Q2012 Continuous Emission Monitoring Report
Mountain Cement Company, Albany County

Dear Administrator:

Enclosed please find Mountain Cement Company's Continuous Emission Monitoring Report for the first quarter of 2012. We have prepared the reports to the best of our ability and believe them to be both accurate and complete.

If you have any questions, please do not hesitate to contact me at (307) 745-2621.

Sincerely,

Mark Andrews
Environmental Manager
Mountain Cement Company

Attachments

Cc: USEPA Region VIII/with attachments
MCC file/with attachments

Certification of Truth, Accuracy, and Completeness

By

Responsible Official

I certify that to the best of knowledge the information contained in this report is true, accurate, and complete.

Name: Phil Lane

Signature: _____

Title: Plant Manager

Date: 4/9/2012

Name: Mark Andrews

Signature: _____

Title: Environmental Manager

Date: 4/9/12

Report: **1Q2012 Continuous Emission Monitoring Report**
Report Date: April 9, 2012

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
CONTINUOUS EMISSION MONITORING REPORT

FIRST QUARTER 2012

Prepared by:
MOUNTAIN CEMENT COMPANY
LARAMIE, WYOMING
OPERATING PERMIT 3-1-098

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CLINKER COOLER #1

- General Information Report
- Opacity Monitor Calibration Error Determination
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CLINKER COOLER #2

- General Information Report
- Opacity Monitor Calibration Error Determination
- Excess Opacity & Downtime Summary Report
- Excess Opacity Emissions Detail Report
- Opacity Monitor Downtime Detail Report

SIGNATURE SHEET

I certify that to the best of my knowledge, the information contained in this report is true, accurate and complete.

Name: Phil Lane

Signature: Phil Lane

Title: Plant Manager - Mountain Cement Company

Date: 4/9/2012

Summary of Compliance Requirements

The operators did not deviate from the Startup, Shutdown, and Malfunction Plan (SSMP) during the quarter.

Operations and maintenance activities performed during the quarter complied with the Operation and Maintenance (O&M) Plan.

It is standard operating procedure at Mountain Cement Company to inspect portions of the combustion system when the pyroprocess is shut down for extended periods (e.g., 12 hours) and personnel open and enter the process system. Both combustion systems were inspected/repaired during the Spring 2012 outage which had taken place March 25, 2012 and extended through April 9, 2012.

Monitoring required under the MACT and CAM regulations is being performed according to the requirements. Monitoring reports are kept in the Environmental Manager's office. The results of this monitoring are summarized in the semi-annual report.

Field filter audits were conducted on the opacity monitors for Kiln No. 1&2 and Cooler No. 1&2 during this quarter on February 13 and March 12, 2012. All monitors passed the standards for accuracy.

Quarterly gas audits were performed on March 12, 2012, by Mountain Cement personnel. Results of the gas audits were satisfactory for all continuous emissions monitors.

Thermocouple audits were conducted for Kiln No. 1 and Kiln No. 2 on March 13, 2012. The thermocouples are located on the inlet of the kiln baghouses. Results of the thermocouple audits revealed that they were operating within tolerable limits of accuracy.

EXCESS EMISSIONS REASON/CORRECTIVE ACTION CODES

Excess Emissions – Reason Codes

1) Kiln start up
2) Kiln shutdown
3) Raw mill start up
4) Raw mill system down
5) Electrical surge/outage/power bump
6) Dirty monitor lens
7) Process upset
8) Other (explain below)

Excess Emissions – Corrective Action Codes

1) Process equipment's operation stabilized
2) Isolated baghouse compartment for repair
3) Maintenance on water sprays/spray tower
4) Adjustment to gas temperature
5) Cleaned or serviced monitor
6) Shutdown kiln, raw mill, and/or associated equipment
7) Other (explain)

QUARTERLY MONITORING REPORT SUMMARY
MOUNTAIN CEMENT COMPANY
FIRST QUARTER 2012

	Kiln #1	Kiln #2	Clinker Cooler #1	Clinker Cooler #2
Excess Opacity	0.17%	0.00%	0.11%	0.02%
COM Downtime	0.00%	0.00%	0.00%	0.00%
Excess SO_2 Emissions	0.00% -- 30-d 0.00% -- 3-hr	0.00% -- 30-d 0.00% -- 3-hr	N/A	N/A
Excess NO_x Emissions (30-d averages)	0.00%	0.00%	N/A	N/A
CMS Downtime	0.00%	0.00%		
Temperature at Inlet to APCD	0.00%	0.0% with raw mill operating 0.24% without raw mill operating	N/A	N/A
Temperature Monitor Downtime	0.00%	0.00%	N/A	N/A

All values are presented as a percentage of source operating time for the quarter.

CONTINUOUS EMISSION MONITORING REPORTS

KILN #1
SULFUR DIOXIDE
CONTINUOUS EMISSIONS MONITORING
GENERAL INFORMATION REPORT

I. GENERAL INFORMATION

A.	Facility Name:	**Mountain Cement Company**
B.	Process Unit / Pollutant Monitored:	**Cement Kiln #1 / SO_2**
C.	Applicable Permit Number or Regulation:	**3-1-098**
D.	Applicable Emission Limit:	**406.0 lbs/hr (3-hour rolling avg.)** **100.0 lbs/hr (30-day rolling avg.)**

II. MONITOR INFORMATION

A.	Date of Original Monitor Installation:	**January 31, 1996**
B.	Date of Latest Monitor Certification:	**December 18, 2001**
C.	SO_2 Monitor	
	1. Manufacturer:	**Monitor Labs**
	2. Model Number:	**SM 8100B**
	3. Serial Number Main Chassis:	**0652453R**
	4. Basis of Measurement (If Applicable – Wet or Dry)	**Wet**
	5. Instrument Span, Range Value (Specify Units):	**0 – 1,500 ppm**
D.	Diluent Monitor:	**N/A**
E.	Flow Monitor	
	1. Type of Instrument:	**S-Type Pitot Tube**
	2. Manufacturer:	**Dwyer**
	3. Model Number:	**S-Type**
	4. Serial Number Main Chassis:	
F.	Quality Assurance Data	
	1. QA Plan Date:	**January 30, 1997**
	2. QA Plan Approval Date:	**January 12, 2001**

III. OPERATING MONITORING DATA

A.	Quarter	**January – March**
B.	Total Hours in Reporting Period:	**2184**
C.	Hours Source Unit Operated During Report Period:	**1995.31**

IV. QUARTERLY AUDITS/MONITORING SYSTEM MODIFICATIONS

A.	Quarterly Audits	
	1. Type Audit:	**CGA**
	2. CEM Monitor (Include Date Conducted & Pass/Fail):	**March 12, 2012 – Pass**
B.	Equipment Replaced During Reporting Period:	**None**

V. REPORT CONTACT

A.	Name:	**Mark Andrews** **Environmental Manager**
B.	Phone Number:	**[307] 745-2621**

KILN #1
SULFUR DIOXIDE
CONTINUOUS EMISSIONS MONITORING
EXCESS EMISSIONS SUMMARY REPORT

Source Operating Time		**1995.31 hrs.**
EMISSIONS DATA SUMMARY		
A.	Duration of Excess Emissions in Reporting Period Due to:	
	1. Kiln Start up	0
	2. Kiln Shut down	0
	3. Raw Mill Start up/Shut Down	0
	4. Erratic Feed Rate	0
	5. Erratic Fuel Rate	0
	6. Broken Dust Collector Bag(s)	0
	7. Electrical or Mechanical Malfunction in Precipitator	0
	8. Personnel Working inside Process System or Pollution Control Equipment	0
	9. Unknown Cause	0
	10. Equipment Plugged	0
	11. Other Explanation (explanation below)	0
B.	Total Duration of Excess Emissions	0.00 hrs
C.	Percent of Source Operating Time	0.00%
CMS PERFORMANCE SUMMARY		
A.	CMS Downtime in Reporting Period Due to:	
	1. Database Maintenance	0
	2. Working on the monitor	0
	3. Performing additional calibrations	0
	4. Power loss	0
B.	Total CMS Downtime	0.0 hrs
C.	Percent Downtime of Source Operating Time	0.00%
D.	Total Time of Excess Emission Events Due to Emergency/Abnormal Operations	0 hrs

NOTE: CMS downtime during periods of kiln downtimes are not reported under "CMS Performance Summary" since there are no emissions that are occurring during these periods.

KILN #1
SULFUR DIOXIDE
CONTINUOUS EMISSIONS MONITORING
EXCESS EMISSIONS DETAIL & EMISSIONS AVERAGES REPORT

Incident Number	Date of Incident	Time Incident Began	Time Incident Ended	Hours Involved	Average Emission Rate (lb/hr)	Cause of Excess Emissions	Corrective Action(s) Taken
No SO_x 30-day average value exceeded the permit limitation during the quarter.							

Per Condition F26 (a) of the Operating Permit, the following are the thirty-day rolling averages of SO_2 emissions (lb/hr); Permit Limit is 100 lbs SO_2/hr:

January	30-Day Average SO_2 Emissions (lb/hr)	February	30-Day Average SO_2 Emissions (lb/hr)	March	30-Day Average SO_2 Emissions (lb/hr)
1	25.33	1	24.06	1	36.14
2	25.15	2	23.84	2	36.88
3	24.38	3	24.18	3	37.01
4	25.57	4	23.96	4	36.57
5	23.75	5	25.06	5	35.85
6	21.36	6	27.2	6	36.16
7	20.84	7	28.99	7	34.23
8	19.9	8	31.58	8	32.44
9	20.76	9	31.29	9	30.47
10	21.95	10	30.57	10	30.18
11	21.18	11	31.77	11	30.15
12	20.31	12	32.34	12	29.49
13	20.17	13	33.24	13	29.87
14	20.27	14	33.79	14	29.66
15	20.81	15	32.94	15	28.88
16	21.35	16	33.13	16	30.6
17	21.53	17	34.83	17	30.53
18	21.83	18	35.45	18	28.58
19	23.38	19	34.4	19	27.93
20	25.23	20	32.69	20	27.52
21	24.69	21	33.14	21	28.39
22	24.7	22	33.23	22	30.11
23	24.59	23	32.87	23	29.02
24	24.67	24	34.11	24	28.97
25	24.11	25	34.24	25	28.1
26	24.72	26	34.26	26	28.68
27	25.95	27	32.55	27	29.26
28	26.94	28	33.02	28	28.74
29	26.94	29	35.36	29	28.74
30	26.19			30	28.74
31	25.01			31	36.14

KILN #1
SULFUR DIOXIDE
CONTINUOUS EMISSIONS MONITORING
EXCESS EMISSIONS DETAIL & EMISSIONS AVERAGES REPORT
180 MINUTE AVERAGES

Per Condition F26 (a) of the Operating Permit, the following are the one hundred eighty minute rolling averages of SO_2 emissions (lb/hr); Permit Limit is 406 lbs SO_2/hr:

Incident Number	Date of Incident	Time Incident Began	Time Incident Ended	Hours Involved	Average Emission Rate (lb/hr)	Cause of Excess Emissions	Corrective Action(s) Taken
0							

NOTES:

KILN #1
SULFUR DIOXIDE
CONTINUOUS EMISSIONS MONITORING
MONITOR DOWNTIME DETAIL REPORT

The following table lists the dates and times when the continuous emissions monitor (CEM) was inoperative while the kiln was operating:

Incident Number	Date of Incident	Time Incident Began and Ended	Hours Involved in Incident	Explanation for Incident
0				

CYLINDER GAS AUDIT
KILN #1
SECTION 30 PERMIT # 30-098

QUARTER DATE OF AUDIT	1 ST 3/12/2012		COMPONENT	SO_2

FACILITY: NAME	Mountain Cement Company	ANALYZER: MANUFACTURER	Monitor Labs
LOCATION	Laramie, Wyoming	MODEL #	SM 8100B
CONTACT PERSON	Mark Andrews; Environmental Manager	SERIAL #	0652453R

Cylinder #	Range	Concentration (ppm)	Date of Assay	Date of Expiration	PSI	Supplier
SG9159201BAL	Low	334.4	7/16/2010	7/16/2012	850	AIRGAS
SG9154011BAL	High	800	11/5/2011	11/5/2013	1800	AIRGAS

AUDIT RESULTS *(All values expressed in PPM)*

RUN Number	Start Time	End Time	Range	Cylinder Value	Monitor Reading	DIFFERENCE LOW	DIFFERENCE HIGH
1	12;45:00PM	12;48:00PM	Low	334.4	327	-7.4	
2	12;51:00 PM	12;54:00 PM	High	800.0	792		-8.0
3	12;57:00 PM	1:00:00 PM	Low	334.4	339	4.6	
4	1:03:00 PM	1:06:00 PM	High	800.0	790		-10.0
5	1:09:00 PM	1:12:00 PM	Low	334.4	330	-4.4	
6	1:15:00 PM	1:18:00 PM	High	800.0	795		-5.0

Arithmetic Mean:	-2.4	-7.7
% Error:	-0.7%	-1.0%
Standard Limit (+/- 5% of span conc.) Passed:	YES	YES

TESTER:

NAME Wade M. Date: 3/12/2012

KILN #1
NITROGEN OXIDES
CONTINUOUS EMISSIONS MONITORING
GENERAL INFORMATION REPORT

I. GENERAL INFORMATION

A.	Facility Name:	**Mountain Cement Company**
B.	Process Unit / Pollutant Monitored:	**Kiln #1 / NO_x**
C.	Applicable Permit Number or Regulation:	**3-1-098**
D.	Applicable Emission Limit:	**208.8 lbs/hr (30-day rolling avg.)**

II. MONITOR INFORMATION

A.	Date of Original Monitor Installation:	**January 31, 1996**
B.	Date of Latest Monitor Certification:	**December 18, 2001**
C.	Opacity Monitor	
	1. Manufacturer:	**Monitor Labs**
	2. Model Number:	**SM 8100B**
	3. Serial Number Main Chassis:	**0652453R**
	4. Basis of Measurement (If Applicable – Wet or Dry)	**Wet**
	5. Instrument Span, Range Value (Specify Units):	**0 – 1,500 ppm**
D.	Diluent Monitor:	**N/A**
E.	Flow Monitor	
	1. Type of Instrument:	**S-Type Pitot Tube**
	2. Manufacturer:	**Dwyer**
	3. Model Number:	**S-Type**
	4. Serial Number Main Chassis:	
F.	Quality Assurance Data	
	1. QA Plan Date:	**January 30, 1997**
	2. QA Plan Approval Date:	**January 12, 2001**

III. OPERATING MONITORING DATA

A.	Quarter	**January – March 2012**
B.	Total Hours in Reporting Period:	**2184**
C.	Hours Source Unit Operated During Report Period:	**1995.31**

IV. QUARTERLY AUDITS/MONITORING SYSTEM MODIFICATIONS

A.	Quarterly Audits	
	1. Type Audit:	**CGA**
	2. CEM Monitor (Include Date Conducted & Pass/Fail):	**March 12, 2012 – Pass**
B.	Equipment Replaced During Reporting Period:	**None**

V. REPORT CONTACT

A.	Name:	**Mark Andrews** **Environmental Manager**
B.	Phone Number:	**[307] 745-2621**

KILN #1
NITROGEN OXIDES
CONTINUOUS EMISSIONS MONITORING
EXCESS EMISSIONS SUMMARY REPORT

Source Operating Time	**1995.31 hrs.**
EMISSIONS DATA SUMMARY	
A. Duration of Excess Emissions in Reporting Period Due to:	
1. Kiln Start up	0
2. Kiln Shut down	0
3. Raw Mill Start up/Shut Down	0
4. Erratic Feed Rate	0
5. Erratic Fuel Rate	0
6. Broken Dust Collector Bag(s)	0
7. Electrical or Mechanical Malfunction in Precipitator	0
8. Personnel Working inside Process System or Pollution Control Equipment	0
9. Unknown Cause	0
10. Equipment Plugged	0
11. Other Explanation (explanation below)	0
B. Total Duration of Excess Emissions	0 hrs
C. Percent of Source Operating Time	0%
CMS PERFORMANCE SUMMARY	
A. CMS Downtime in Reporting Period Due to:	
1. Database Maintenance	0
2. Working on the monitor	0
3. Performing additional calibrations	0.0
4. Power loss	0
B. Total CMS Downtime	0.0 hrs
C. Percent of Source Operating Time	0.00 %
D. Total Time of Excess Emission Events Due to Emergency/Abnormal Operations	0 hrs

NOTE: CMS downtime during periods of kiln downtimes are not reported under "CMS Performance Summary" since there are no emissions that are occurring during these periods.

KILN #1
NITROGEN OXIDES
CONTINUOUS EMISSIONS MONITORING
EXCESS EMISSIONS DETAIL & EMISSIONS AVERAGES REPORT

Incident Number	Date of Incident	Time Incident Began	Time Incident Ended	Hours Involved	Average Emission Rate (lb/hr)	Cause of Excess Emissions
No NO_x 30-day average value exceeded the permit limitation during the quarter.						

Per Condition F26 (a) of the Operating Permit, the following are the thirty-day rolling averages of 208.8 NO_x lb/hr emissions:

January	30-Day Average NO_x Emissions (lb/hr)	February	30-Day Average NO_x Emissions (lb/hr)	March	30-Day Average NO_x Emissions (lb/hr)
1	168.79	1	133.12	1	128.53
2	168.26	2	133.42	2	131.27
3	168.89	3	132.43	3	131.71
4	169.85	4	134.38	4	130.84
5	165.99	5	134.21	5	128.16
6	159.44	6	134.2	6	127.44
7	158.23	7	133.9	7	127.01
8	158.11	8	133.8	8	126.54
9	157.08	9	133.43	9	126.61
10	154.8	10	134.03	10	126.86
11	150.7	11	137.78	11	126.8
12	147.52	12	139.23	12	126.95
13	145.93	13	139	13	127.67
14	147.7	14	135.54	14	128.17
15	147.43	15	131.94	15	128.51
16	145.57	16	131.25	16	132.25
17	146.89	17	128.85	17	133.78
18	142.16	18	130.6	18	134.16
19	142.05	19	129.9	19	133.89
20	143.51	20	128.28	20	134.91
21	139.51	21	128.23	21	134.82
22	138.58	22	127.3	22	135.18
23	139.17	23	127.99	23	136.63
24	140.29	24	127.68	24	136.21
25	136.65	25	127.47	25	136.82
26	138.97	26	126.11	26	138.03
27	145.37	27	121.25	27	138.64
28	148.72	28	118.53	28	138.5
29	148.72	29	124.46	29	138.5
30	141.8			30	138.5
31	137.26			31	128.53

KILN #1
NITROGEN OXIDES
CONTINUOUS EMISSIONS MONITORING
MONITOR DOWNTIME DETAIL REPORT

The following table lists the dates and times when the continuous emissions monitor (CEM) was inoperative while the kiln was operating:

Incident Number	Date of Incident	Time of Incident	Hours of Incident	Explanation for Incident
0				

KILN #1

SECTION 30 PERMIT # 30-098

QUARTER DATE OF AUDIT	1 ST 3/12/2012		COMPONENT	NO_x

FACILITY:		ANALYZER:	
NAME	Mountain Cement Company	MANUFACTURER	Monitor Labs
LOCATION	Laramie, Wyoming	MODEL #	SM8100B
CONTACT PERSON	Mark Andrews; Environmental Manager	SERIAL #	0652453R

PROTOCOL GAS CYLINDER INFORMATION

Cylinder #	Range	Concentration (ppm)	Date of Assay	Date of Expiration	PSI	Supplier
SG9159201BAL	Low	407.1	7/16/2010	7/16/2012	850	AIRGAS
SG9154011BAL	High	801	11/5/2011	11/5/2013	1800	AIRGAS

AUDIT RESULTS *(All values expressed in PPM)*

RUN Number	Start Time	End Time	Range	Cylinder Value	Monitor Reading	DIFFERENCE LOW	DIFFERENCE HIGH
1	12;45:00PM	12;48:00PM	Low	407.1	396	-11.1	
2	12;51:00 PM	12;54:00 PM	High	801	808		7.0
3	12;57:00 PM	1:00:00 AM	Low	407.1	401	-6.1	
4	1:03:00 AM	1:06:00 AM	High	801	804		3.0
5	1:09:00 AM	1:12:00 AM	Low	407.1	403	-4.1	
6	1:15:00 AM	1:18:00 AM	High	801	809		8.0

Arithmetic Mean:	-7.1	6.0
% Error:	-1.7%	0.7%
Standard Limit (+/- 5% of span conc.) Passed:	YES	YES

TESTER:

NAME Wade M

Date: 3/12/2012

K1 Stack Airflow

Stack Temp	321.00	°F
Static Pressure	0.04	inches wc
Density	0.0391	lbs/ft³
Pitot factor	0.84	
Number of points	20.00	

Velocity Pressures		Point Velocity
1	0.05	1014.31
2	0.05	1014.31
3	0.06	1111.12
4	0.06	1111.12
5	0.09	1360.84
6	0.10	1434.45
7	0.08	1283.01
8	0.08	1283.01
9	0.08	1283.01
10	0.05	1014.31
11	0.05	1014.31
12	0.05	1014.31
13	0.05	1014.31
14	0.08	1283.01
15	0.10	1434.45
16	0.10	1434.45
17	0.1	1434.45
18	0.08	1283.01
19	0.05	1014.31
20	0.05	1014.31
21		0.00
22		0.00
23		0.00
24		0.00
AVG		1193

ft/min

Barometric Pressure	29.84 inches Hg
Elevation factor =	0.766
Corrected Pressure	23.06 inches Hg

Duct Diam	108.75 inches
Cross Section	64.47 ft²

ABB Vol flow indicated	90,000 ACFM	Control Indicated Value
Vol flow Actual	76,883 ACFM	Measured Value
Vol Stndrd	40117 SCFM	
Vol Smetric	130640 Am³/hr	
Mass Flow	3009 lbs/min	
	23 kg/s	

1.009943673	1 788 Am³/s
0.939698837	1.663 Sm³/s

NAME: Wade Moore

DATE: 3/13/2012

KILN #2
SULFUR DIOXIDE
CONTINUOUS EMISSIONS MONITORING
GENERAL INFORMATION REPORT

I. GENERAL INFORMATION

A.	Facility Name:	**Mountain Cement Company**
B.	Process Unit / Pollutant Monitored:	**Cement Kiln #2 / SO_2**
C.	Applicable Permit Number or Regulation:	**3-1-098**
D.	Applicable Emission Limit:	**537.5 lbs/hr (3-hour rolling avg.)** **100.0 lbs/hr (30-day rolling avg.)**

II. MONITOR INFORMATION

A.	Date of Original Monitor Installation:	**December 2005**
B.	Date of Latest Monitor Certification:	**December 16, 2005**
C.	SO_2 Monitor	
	1. Manufacturer:	**Teledyne Monitor Labs**
	2. Model Number:	**SM 8160**
	3. Serial Number Main Chassis:	**09052593**
	4. Basis of Measurement (If Applicable – Wet or Dry)	**Wet**
	5. Instrument Span, Range Value (Specify Units):	**0 – 600 ppm**
D.	Diluent Monitor:	**N/A**
E.	Flow Monitor	
	1. Type of Instrument:	**Ultraflow**
	2. Manufacturer:	
	3. Model Number:	**150**
	4. Serial Number Main Chassis:	
F.	Quality Assurance Data	
	1. QA Plan Date:	**January 30, 1997**
	2. QA Plan Approval Date:	**January 12, 2001**

III. OPERATING MONITORING DATA

A.	Quarter	**January – March 2012**
B.	Total Hours In Reporting Period:	**2184**
C.	Hours Source Unit Operated During Report Period:	**1985.75**

IV. QUARTERLY AUDITS/MONITORING SYSTEM MODIFICATIONS

A.	Quarterly Audits	
	1. Type Audit:	**CGA**
	2. CEM Monitor (Include Date Conducted & Pass/Fail):	**March 12, 2012 – Pass**
B.	Equipment Replaced During Reporting Period:	**None**

V. REPORT CONTACT

A.	Name:	**Mark Andrews** **Environmental Manager**
B.	Phone Number:	**[307] 745-2621**

KILN #2
SULFUR DIOXIDE
CONTINUOUS EMISSIONS MONITORING
EXCESS EMISSIONS SUMMARY REPORT

Source Operating Time	**1985.75 hrs**
EMISSIONS DATA SUMMARY	
A. Duration of Excess Emissions in Reporting Period Due to:	
1. Kiln Start up	0
2. Kiln Shut down	0
3. Raw Mill Start up/Shut Down	0
4. Erratic Feed Rate	0
5. Erratic Fuel Rate	0
6. Broken Dust Collector Bag(s)	0
7. Electrical or Mechanical Malfunction in Precipitator	0
8. Personnel Working inside Process System or Pollution Control Equipment	0
9. Unknown Cause	0
10. Equipment Plugged	0
11. Other Explanation (explanation below)	0
B. Total Duration of Excess Emissions (3-hr limit only)	0.0 hrs
C. Percent of Source Operating Time	0.00%
CMS PERFORMANCE SUMMARY	
A. CMS Downtime in Reporting Period Due to:	
1. Database Maintenance	
2. Working on Monitor	0.0 hrs
3. Performing additional Calibrations	0
4. Power loss	0
B. Total CMS Downtime	0.0 hrs
C. Percent Downtime of Source Operating Time	0.00%
D. Total Time of Excess Emission Events Due to Emergency/Abnormal Operations	0.0 hrs

KILN #2
SULFUR DIOXIDE
CONTINUOUS EMISSIONS MONITORING
EXCESS EMISSIONS DETAIL & EMISSIONS AVERAGES REPORT

Incident Number	Date of Incident	Time Incident Began	Time Incident Ended	Hours Involved	Average Emission Rate (lb/hr)	Cause of Excess Emissions	Corrective Action(s) Taken
0							
No SO_x 30-day average value exceeded the permit limitation during the quarter.							

Per Condition F26 (a) of the Operating Permit, the following are the thirty-day rolling averages of SO_2 emissions (lb/hr), Permit limit is 100 lbs SO_2/hour:

January	30-Day Average SO_2 Emissions (lb/hr)	February	30-Day Average SO_2 Emissions (lb/hr)	March	30-Day Average SO_2 Emissions (lb/hr)
1	8.79	1	32.85	1	46.54
2	8.85	2	31.71	2	45.42
3	10.13	3	27.63	3	45.54
4	13.86	4	27.48	4	48.46
5	14.77	5	29.31	5	48.59
6	14.52	6	29.15	6	48.16
7	15.46	7	29.98	7	47.68
8	15.8	8	27.75	8	46.78
9	18.49	9	27.3	9	47.73
10	19.13	10	27.09	10	48.41
11	19.01	11	28.72	11	51.49
12	18.97	12	29.09	12	50.78
13	20.16	13	28.59	13	50.07
14	21.26	14	26.65	14	50.83
15	23.29	15	27.38	15	51.24
16	23.38	16	27.55	16	50.44
17	23.43	17	27.69	17	50.87
18	23.47	18	28.18	18	51.29
19	22.42	19	28.74	19	52.27
20	22.51	20	31.03	20	51.81
21	22.7	21	33.39	21	51.23
22	23.17	22	36.59	22	49.08
23	23.38	23	39.27	23	47.08
24	23.81	24	43.07	24	43.94
25	24.09	25	43.66	25	39.87
26	25.64	26	43.98	26	39.87
27	27.78	27	44.83	27	39.87
28	29.4	28	45.02	28	39.87
29	30.48	29	45.97	29	39.87
30	30.59			30	39.87
31	30.85			31	46.54

KILN #2
SULFUR DIOXIDE
CONTINUOUS EMISSIONS MONITORING
EXCESS EMISSIONS DETAIL & EMISSIONS AVERAGES REPORT
180 MINUTE AVERAGES

Per Condition F26 (a) of the Operating Permit, the following are the one hundred eighty minute rolling averages of SO_2 emissions (lb/hr); Permit Limit is 537.5 lbs SO_2/hr:

Incident Number	Date of Incident	Time Incident Began	Time Incident Ended	Hours Involved	Average Emission Rate (lb/hr)	Cause of Excess Emissions	Corrective Action(s) Taken
No SO_x 180-minute average value exceeded the permit limitation during the quarter.							

NOTES:

None.

KILN #2
SULFUR DIOXIDE
CONTINUOUS EMISSIONS MONITORING
MONITOR DOWNTIME DETAIL REPORT

The following table lists the dates and times when the continuous emissions monitor (CEM) was inoperative while the kiln was operating:

Incident Number	Date of Incident	Time Incident Began and Ended	Hours Involved in Incident	Explanation for Incident
0				

CYLINDER GAS AUDIT
KILN #2
SECTION 30 PERMIT # 30-098

QUARTER	1 ST		COMPONENT	SO_2
DATE OF AUDIT	3/12/2012			

FACILITY:		**ANALYZER:**	
NAME	Mountain Cement Company	MANUFACTURER	Monitor Labs
LOCATION	Laramie, Wyoming	MODEL #	SMB160
CONTACT PERSON	Mark Andrews; Environmental Manager	SERIAL #	90552593

PROTOCOL GAS CYLINDER INFORMATION

Cylinder #	Range	Concentration (ppm)	Date of Assay	Date of Expiration	PSI	Supplier
SG9151882BAL	Low	335.4	7/16/2010	7/16/2012	1200	AIRGAS
CC122869	High	772.2	7/19/2010	7/19/2012	1400	AIRGAS

AUDIT RESULTS *(All values expressed in PPM)*

RUN Number	Start Time	End Time	Range	Cylinder Value	Monitor Reading	DIFFERENCE LOW	DIFFERENCE HIGH
1	9:51:00 AM	9:48:00 AM	Low	335.4	341.0	5.6	
2	9:51:00 AM	9:54:00 AM	High	772.2	783.0		10.8
3	9:57:00 AM	10;00:00 AM	Low	335.4	340.0	4.6	
4	10;03:00 AM	10;06:00 AM	High	772.2	780.0		7.8
5	10;09:00 AM	10;12:00 AM	Low	335.4	334.0	-1.4	
6	10;15:00 AM	10;18:00 AM	High	772.2	774.0		1.8

Arithmetic Mean:	2.9	6.8
% Error:	0.9%	0.9%
Standard Limit (+/- 5% of span conc.) Passed:	YES	YES

TESTER:

NAME Denny R. Date: 3/12/2012

KILN #2
NITROGEN OXIDES
CONTINUOUS EMISSIONS MONITORING
GENERAL INFORMATION REPORT

I. GENERAL INFORMATION

A.	Facility Name:	**Mountain Cement Company**
B.	Process Unit / Pollutant Monitored:	**Cement Kiln #2 / NO_x**
C.	Applicable Permit Number or Regulation:	**3-1-098**
D.	Applicable Emission Limit:	**450.0 lbs/hr (30-day rolling avg.)**

II. MONITOR INFORMATION

A.	Date of Original Monitor Installation:	**December 2005**
B.	Date of Latest Monitor Certification:	**December 16, 2005**
C.	NOx Monitor	
	1. Manufacturer:	**Teledyne Monitor Labs**
	2. Model Number:	**SM 8160**
	3. Serial Number Main Chassis:	**09052593**
	4. Basis of Measurement (If Applicable – Wet or Dry)	**Wet**
	5. Instrument Span, Range Value (Specify Units):	**0 – 750 ppm**
D.	Diluent Monitor:	**N/A**
E.	Flow Monitor	
	1. Type of Instrument:	**UltraFlow**
	2. Manufacturer:	
	3. Model Number:	**150**
	4. Serial Number Main Chassis:	
F.	Quality Assurance Data	
	1. QA Plan Date:	**January 30, 1997**
	2. QA Plan Approval Date:	**January 12, 2001**

III. OPERATING MONITORING DATA

A.	Quarter	**January – March 2012**
B.	Total Hours in Reporting Period:	**2184**
C.	Hours Source Unit Operated During Report Period:	**1985.75**

IV. QUARTERLY AUDITS/MONITORING SYSTEM MODIFICATIONS

A.	Quarterly Audits	
	1. Type Audit:	**CGA**
	2. CEM Monitor (Include Date Conducted & Pass/Fail):	**March 12, 2012 – Pass**
B.	Equipment Replaced During Reporting Period:	**None**

V. REPORT CONTACT

A.	Name:	**Mark Andrews** **Environmental Manager**
B.	Phone Number:	**[307] 745-2621**

KILN #2
NITROGEN OXIDES
CONTINUOUS EMISSIONS MONITORING
EXCESS EMISSIONS SUMMARY REPORT

Source Operating Time	**1985.75 hrs**
EMISSIONS DATA SUMMARY	
A. Duration of Excess Emissions in Reporting Period Due to:	
1. Kiln Start up	0
2. Kiln Shut down	0
3. Raw Mill Start up/Shut Down	0
4. Erratic Feed Rate	0
5. Erratic Fuel Rate	0
6. Broken Dust Collector Bag(s)	0
7. Electrical or Mechanical Malfunction in Precipitator	0
8. Personnel Working inside Process System or Pollution Control Equipment	0
9. Unknown Cause	0
10. Equipment Plugged	0
11. Other Explanation (explanation below)	0
B. Total Duration of Excess Emissions	0 hrs
C. Percent of Source Operating Time	0.00%
CMS PERFORMANCE SUMMARY	
A. CMS Downtime in Reporting Period Due to:	
1. DAHS Maintenance	
2. Working on the Monitor	0
3. Performing Additional Calibrations	0 hrs
4. Power Loss	0
B. Total CMS Downtime	0.00 hrs
C. Percent of Source Operating Time	0.0%
D. Total Time of Excess Emission Events Due to Emergency/Abnormal Operations	0.0 hrs

KILN #2
NITROGEN OXIDES
CONTINUOUS EMISSIONS MONITORING
EXCESS EMISSIONS DETAIL & EMISSIONS AVERAGES REPORT

Incident Number	Start of Incident	End of Incident	Days Involved	Average Emission Rate (lb/hr)	Cause of Excess Emissions	Corrective Action(s) Taken
0						
No NO_x 30-day average value exceeded the permit limitation during the quarter.						

Per Condition F26 (a) of the Operating Permit, the following are the thirty-day rolling averages of NO_x emissions (lb/hr); Permit Limit – 450 lb/hr, 30-day rolling average:

January	30-Day Average NO_x Emissions (lb/hr)	February	30-Day Average NO_x Emissions (lb/hr)	March	30-Day Average NO_x Emissions (lb/hr)
1	354.93	1	328.97	1	414.12
2	352.83	2	328.78	2	411.55
3	355.26	3	333.76	3	408.38
4	352.96	4	338.1	4	405.37
5	346.29	5	341.38	5	404.76
6	342.97	6	343.72	6	401.04
7	338.7	7	344.19	7	399.48
8	338.83	8	341.58	8	400.25
9	340.06	9	342.61	9	399.07
10	336.65	10	334.73	10	398.28
11	338.18	11	342.35	11	402.36
12	329.97	12	347.73	12	401.32
13	327.66	13	354.03	13	400.46
14	319.62	14	352.45	14	396.52
15	321.28	15	358.32	15	393.11
16	316.12	16	366.99	16	390.85
17	304.48	17	373.24	17	390.12
18	295.88	18	382.75	18	390.87
19	284.38	19	391.4	19	388.37
20	274.05	20	399.35	20	386.19
21	261.99	21	406.43	21	387.47
22	259.35	22	411.02	22	392
23	256.77	23	420.58	23	390.8
24	264.28	24	422.07	24	372.96
25	274.71	25	419.62	25	360.22
26	285.4	26	415.26	26	360.22
27	296.43	27	415.76	27	360.22
28	304.8	28	416.15	28	360.22
29	306.39	29	413.57	29	360.22
30	314.64			30	360.22
31	325.54			31	414.12

KILN #2
NITROGEN OXIDES
CONTINUOUS EMISSIONS MONITORING
MONITOR DOWNTIME DETAIL REPORT

The following table lists the dates and times when the continuous emissions monitor (CEM) was inoperative:

Incident Number	Date of Incident	Time Incident Began and Ended	Hours Involved in Incident	Explanation for Incident
0				

CYLINDER GAS AUDIT
KILN #2
SECTION 30 PERMIT # 30-098

QUARTER DATE OF AUDIT	1 ST 3/12/2012		COMPONENT	NO_x

FACILITY:		ANALYZER:	
NAME	Mountain Cement Company	MANUFACTURER	Monitor Labs
LOCATION	Laramie, Wyoming	MODEL #	SMB160
CONTACT PERSON	Mark Andrews; Environmental Manager	SERIAL #	90552593

PROTOCOL GAS CYLINDER INFORMATION

Cylinder #	Range	Concentration (ppm)	Date of Assay	Date of Expiration	PSI	Supplier
SG9151882BAL	Low	408.9	7/16/2010	7/16/2012	1200	AIRGAS
CC122869	High	804.6	7/19/2010	7/19/2012	1400	AIRGAS

AUDIT RESULTS *(All values expressed in PPM)*

RUN Number	Start Time	End Time	Range	Cylinder Value	Monitor Reading	DIFFERENCE LOW	DIFFERENCE HIGH
1	9:51:00 AM	9:48:00 AM	Low	408.9	400.0	-8.9	
2	9:51:00 AM	9:54:00 AM	High	804.6	795.00		-9.6
3	9:57:00 AM	10;00:00 AM	Low	408.9	399.00	-9.9	
4	10;03:00 AM	10;06:00 AM	High	804.6	792.00		-12.6
5	10;09:00 AM	10;12:00 AM	Low	408.9	396.00	-12.9	
6	10;15:00 AM	10;18:00 AM	High	804.6	799.00		-5.6

Arithmetic Mean:	-10.6	-9.3
% Error:	-2.6%	-1.2%
Standard Limit (+/- 5% of span conc.) Passed:	YES	YES

TESTER:

NAME Denny R. Date: 3/12/2012

K2 Stack Airflow

Stack Temp	282.00	°F
Static Pressure	0.04	inches wc
Density	0.0412	lbs/ft³
Pitot factor	0.84	
Number of points	20.00	

Velocity Pressures		Point Velocity
1	0.30	2484.55
2	0.52	3271.06
3	0.70	3795.21
4	0.65	3657.15
5	0.72	3849.04
6	0.74	3902.13
7	0.72	3849.04
8	0.73	3875.68
9	0.64	3628.91
10	0.46	3628.91
11	0.32	3076.56
12	0.54	2566.03
13	0.60	3333.37
14	0.66	3513.68
15	0.66	3685.18
16	0.74	3685.18
17	0.72	3902.13
18	0.68	3849.04
19	0.66	3740.60
20	0.44	3685.18
21		3008.93
22		0.00
23		0.00
24		0.00
AVG		3699 ft/min

Barometric Pressure	29.84	inches Hg
Elevation factor =	0.766	
Corrected Pressure	23.06	Inches Hg

Duct Diam	108.75	inches
Cross Section	64.47	ft²

ABB Vol flow Indicated	238,000	ACFM	Control Indicated Value
Vol flow Actual	238,503	ACFM	Measured Value
Vol Stndrd	130991	SCFM	
Vol Smetric	405265	Am³/hr	
Mass Flow	9824	lbs/min	
	74	kg/s	

1.009943673	1.788	Am³/s
0.939698837	1.663	Sm³/s

NAME: Wade Moore

DATE: 3/13/2012

TEMPERATURE & OPACITY REPORTS

KILN #1
CONTINUOUS OPACITY MONITORING
GENERAL INFORMATION REPORT

I. GENERAL INFORMATION

A. Facility Name:	**Mountain Cement Company**
B. Process Unit / Pollutant Monitored:	**Cement Kiln #1 / Opacity**
C. Applicable Permit Number or Regulation:	**3-1-098**
D. Applicable Emission Limit:	**20%**

II. MONITOR INFORMATION

A. Date of Original Monitor Installation:	**May 24, 2008**
B. Date of Latest Monitor Certification:	**July 18, 1996**
C. Opacity Monitor	
1. Manufacturer:	**Monitor Labs**
2. Model Number:	**Lighthawk 560**
3. Serial Number Main Chassis:	**5601644**
4. Basis of Measurement (If Applicable – Wet or Dry)	**N/A**
5. Instrument Span, Range Value (Specify Units):	**1 – 100%**
D. Diluent Monitor:	**N/A**
E. Flow Monitor	
1. Type of Instrument:	**S-Type Pitot Tube**
2. Manufacturer:	**Dwyer**
3. Model Number:	**S-Type**
4. Serial Number Main Chassis:	
F. Quality Assurance Data	
1. QA Plan Date:	**January 30, 1997**
2. QA Plan Approval Date:	**January 12, 2001**

III. OPERATING MONITORING DATA

A. Quarter	**January – March 2012**
B. Total Hours in Reporting Period:	**2184**
C. Hours Source Unit Operated During Report Period:	**1995.31**

IV. QUARTERLY AUDITS/MONITORING SYSTEM MODIFICATIONS

A. Quarterly Audits	
1. Type Audit:	**Quarterly Audit (last)**
2. Opacity Monitor (Include Date Conducted & Pass/Fail):	**March 12, 2012/PASS**
B. Equipment Replaced During Reporting Period:	**None**

V. REPORT CONTACT

A. Name:	**Mark Andrews** **Environmental Manager**
B. Phone Number:	**[307] 745-2621**

KILN #1
CONTINUOUS OPACITY MONITORING
EXCESS OPACITY & DOWNTIME SUMMARY REPORT

Source Operating Time	**1995.31**
Emissions Data Summary	
A. Duration of Excess Emissions in Reporting Period Due to:	Hours
1. Kiln Start up	0
2. Kiln Shut down	0
3. Raw Mill Start up	0
4. Raw Mill Shut down	0
5. Electrical surge/outage/power bump	0
6. Dirty Monitor Lens	0.2
7. Process Upset	3.1
8. Other causes	0
B. Total Duration of Excess Emissions	3.3 hrs
C. Percent of Source Operating Time	0.17%
CMS Performance Summary	
A. CMS Downtime in Reporting Period Due to:	Hours
1. Monitor Equipment Malfunctions (including routine service)	0
2. Annual Audit	0
3. DAHS Maintenance	0
B. Total CMS Downtime with source in operation	0
C. Percent of Source Operating Time	0.00%
D. Total Time of Excess Emission Events Due to Emergency/Abnormal Operations	0

KILN #1
CONTINUOUS OPACITY MONITORING
EXCESS OPACITY DETAIL REPORT†

Starting Time	Ending Time	Duration (minutes)	Emission >20.5	Reason Code	C. A. Code
1/5/2012 08:12	1/5/2012 08:18	6	6	7	1
1/13/2012 11:12	1/13/2012 11:24	12	12	6	5
2/18/2012 00:18	1/18/2012 02:54	150	150	7	1
3/12/2012 13:30	3/12/2012 14:00	30	30	7	1

KILN #1
CONTINUOUS OPACITY MONITORING
MONITOR DOWNTIME DETAIL REPORT

The following table lists the dates and times when the continuous opacity monitor (COM) was inoperative:

Incident Number	Date of Incident	Time Incident Began and Ended	Hours Involved in Incident	Explanation for Incident
0				

OPACITY MONITOR CALIBRATION ERROR DETERMINATION
QUARTERLY AUDIT
MOUNTAIN CEMENT COMPANY

Person conducting test: Wade M

Date of test: 12-Mar-12

Analyzer tested:
Location: K1 STACK
Manufacturer: Monitor Labs
Model / Serial No 560 1544

Calibrated Neutral Density Filter Values: *(Expressed in Percent Opacity)*	Low Range	Mid Range	High Range
	12.40	24.40	48.30

Monitoring System Output Pathlength Corrected? Yes [ ] No [x]

TEST RESULTS:

Run Number	Range	Calibrated Filter *(% Opacity)*	Instrument Reading *(% Opacity)*		Arithemtic Difference Low	Mid	High
1	Low	12.40	11.33		1.07	-------	-------
2	Mid	24.40	23.70		-------	0.70	-------
3	High	48.30	47.45		-------	-------	0.85
4	Low	12.40	11.11		1.29	-------	-------
5	Mid	24.40	23.80		-------	0.60	-------
	High	48.30	47.50		-------	-------	0.80
7	Low	12.40	11.00		1.40	-------	-------
8	Mid	24.40	23.80		-------	0.60	-------
9	High	48.30	47.60		-------	-------	0.70
10	Low	12.40	11.20		1.20	-------	-------
11	Mid	24.40	23.90		-------	0.50	-------
12	High	48.30	47.60		-------	-------	0.70
13	Low	12.40	11.35		1.05	-------	-------
14	Mid	24.40	24.00		-------	0.40	-------
15	High	48.30	47.80		-------	-------	0.50

	Low Range	Mid Range	High Range
Arithmetic Mean =	1.20	0.56	0.71
Standard Deviation =	0.15	0.11	0.13
Confidence Coefficient =	0.18	0.14	0.17
Calibration Error =	1.39	0.70	0.88

CALIBRATION ERROR (% OPACITY) = 0.99

KILN #1
CONTINUOUS TEMPERATURE MONITORING
GENERAL INFORMATION REPORT

I. GENERAL INFORMATION

A.	Facility Name:	**Mountain Cement Company**
B.	Process Unit / Pollutant Monitored:	**Kiln #1 / Baghouse inlet temperature**
C.	Applicable Permit Number or Regulation:	**31-098 & 40 CFR 63, Subpart LLL**
D.	Applicable Emission Limit:	**449.4 °F (180-min rolling average)**

II. MONITOR INFORMATION

A.	Date of Original Monitor Installation:	**1996**
B.	Date of Latest Monitor Certification:	**February 18, 2004**
C.	Thermocouple	
	1. Manufacturer:	**Thermosensor Corp.**
	2. Model Number:	**KA10(80)46A-48P44**
	3. Serial Number Main Chassis:	**N/A**
	4. Instrument Span, Range Value (Specify Units):	**0 – 1,200 °F**
D.	Diluent Monitor:	**N/A**
E.	Quality Assurance Data	
	1. QA Plan Date:	**February 3, 2003**
	2. QA Plan Approval Date:	

III. OPERATING MONITORING DATA

A.	Quarter	**January – March 2012**
B.	Total Hours in Reporting Period:	**2184**
C.	Hours Source Unit Operated During Report Period:	**1995.31**

IV. QUARTERLY AUDITS/MONITORING SYSTEM MODIFICATIONS

A.	Quarterly Audits	
	1. Type Audit:	**Fluke Thermometer Tester**
	2. Thermocouple Audit (Include Date Conducted & Pass/Fail):	**March 13, 2012 – Passed**
B.	Equipment Replaced During Reporting Period:	**None**

V. REPORT CONTACT

A.	Name:	**Mark Andrews** **Environmental Manager**
B.	Phone Number:	**[307] 745-2621**

KILN #1
CONTINUOUS TEMPERATURE MONITORING
EXCESS TEMPERATURE & DOWNTIME SUMMARY REPORT

Source Operating Time	1995.31 hrs
Temperature Exceedences Explanation	Hours
1. Raw Mill Start up or Shut down	0
2. Kiln Start up or Shut Down	0
3. Malfunction with Spray ("Cooling") Tower	0
4. Malfunction of Kiln Feed Delivery System	0
5. Power Outage or Surge	0
6. Mechanical Malfunction (Equipment shut down)	0
7. Air Flow Disturbance due to Restriction or Material Buildup/Process Upset	0
8. Process Fan Failure	0
9. Re-establishment of temperature limit (D/F testing)	0
Total Hours of Excess Temperature =	0.0
Percent of Source Operating Time =	0.0%
CMS Performance Summary	Hours
1. Thermocouple Malfunctions	0
2. Working on Thermocouple	0
3. Performing Calibrations	0
4. Historian data loss	0
5. DAHS Maintenance	0
Total Hours of CMS Downtime with source in operation =	0
Percent of Source Operating Time =	0.0%

KILN #1
CONTINUOUS TEMPERATURE MONITORING
EXCESS TEMPERATURE DETAIL REPORT

Kiln #1 Limit = 457 °F for 180-minute rolling average

Incident Number	Date of Incident	Time of Incident	3-hour Average Temp (°F)	Reason for Incident
Total Duration of Excess Temperature (hrs) =				
Percent of Source Operating Time =			0.00%	

KILN #1
CONTINUOUS TEMPERATURE MONITORING
THERMOCOUPLE DOWNTIME DETAIL REPORT

The following table lists the dates and times when the continuous temperature monitor (thermocouple) was inoperative while the kiln was operating:

Incident Number	Date of Incident	Time Incident Began and Ended	Hours Involved in Incident	Explanation for Incident
0				

KILN #1 Baghouse Inlet Temperature
Measurement Verification and Calibration

SECTION 3 PERMIT # 31-096

FACILITY:	Mountain Cement Company
LOCATION:	Laramie, Wyoming
CONTACT:	Mark Andrews; Environmental Manager
QUARTER:	1st Quarter
AUDIT DATE:	3/13/2012

Thermocouple Verification:

Operating Pt.

When Temperature Measurements are close agreement (+-4%) No Ter Circuit Calibration Required

Origin	Device	Measure TE-710 East	Measure TE-724 West
Production Indication	**Control Room DCS Indicator:**	413	422
Calibrated Instrument	**Fluke 714 Thermocouple Calibrator**	415	426

Temprature Circuit (

TE-710A ***Zero:***

Origin	Device	Indication As Found	Indication As Left '
Production Indication	**Control Room DCS Indicator:**		
Cal. Instrument Indication	**Temperature X-mitter Output:**		

TE-724 ***Zero:***

Origin	Device	Indication As Found	Indication As Left '
Production Indication	**Control Room DCS Indicator:**		
Cal. Instrument Indication	**Temperature X-mitter Output:**		

TE-710 Span:

Origin	Device	Indication As Found	Indication As Left '
Production Indication	**Control Room DCS Indicator:**		
Cal. Instrument Indication	**Temperature X-mitter Output:**		

TE-724 Span:

Origin	Device	Indication As Found	Indication As Left '
Production Indication	**Control Room DCS Indicator:**		
Cal. Instrument Indication	**Temperature X-mitter Output:**		

TESTER:

NAME Wade M. .

KILN #2
CONTINUOUS OPACITY MONITORING
GENERAL INFORMATION REPORT

I. GENERAL INFORMATION

A. Facility Name:	**Mountain Cement Company**
B. Process Unit / Pollutant Monitored:	**Cement Kiln #2 / Opacity**
C. Applicable Permit Number or Regulation:	**3-1-098**
D. Applicable Emission Limit:	**20%**

II. MONITOR INFORMATION

A. Date of Original Monitor Installation:	**July 2004**
B. Date of Latest Monitor Certification:	**July 6, 2004**
C. Opacity Monitor	
1. Manufacturer:	**Teledyne Monitor Labs**
2. Model Number:	**Lighthawk 560**
3. Serial Number Main Chassis:	**5600580**
4. Basis of Measurement (If Applicable – Wet or Dry)	**N/A**
5. Instrument Span, Range Value (Specify Units):	**1 – 100%**
D. Diluent Monitor:	**N/A**
E. Flow Monitor	
1. Type of Instrument:	**Ultraflow**
2. Manufacturer:	
3. Model Number:	**150**
4. Serial Number Main Chassis:	
F. Quality Assurance Data	
1. QA Plan Date:	**January 30, 1997**
2. QA Plan Approval Date:	**January 12, 2001**

III. OPERATING MONITORING DATA

A. Quarter	**January – March 2012**
B. Total Hours in Reporting Period:	**2208**
C. Hours Source Unit Operated During Report Period:	**1985.75**

IV. QUARTERLY AUDITS/MONITORING SYSTEM MODIFICATIONS

A. Quarterly Audits	
1. Type Audit:	**Quarterly Audit**
2. Opacity Monitor (Include Date Conducted & Pass/Fail):	**February 13, 2012 - Pass**
B. Equipment Replaced During Reporting Period:	**None**

V. REPORT CONTACT

A. Name:	**Mark Andrews** **Environmental Manager**
B. Phone Number:	**[307] 745-2621**

KILN #2
CONTINUOUS OPACITY MONITORING
EXCESS OPACITY DETAIL REPORT

Starting Time	Ending Time	Duration (minutes)	Emission >20.5	Reason Code	Corrective Action Code
0					

KILN #2
CONTINUOUS OPACITY MONITORING
MONITOR DOWNTIME DETAIL REPORT

The following table lists the dates and times when the continuous opacity monitor (COM) was inoperative while the kiln was operating:

Incident Number	Date of Incident	Time Incident Began and Ended	Hours Involved in Incident	Explanation for Incident
0				

OPACITY MONITOR CALIBRATION ERROR DETERMINATION
QUARTERLY AUDIT
MOUNTAIN CEMENT COMPANY

Person conducting test: Wade M

Date of test: 13-Feb-12

Analyzer tested:
Location: K2 STACK
Manufacturer: Monitor Labs
Model / Serial No LIGHTHAWK/5600580

Calibrated Neutral Density Filter Values:
(Expressed in Percent Opacity)

Low Range	Mid Range	High Range
14.90	26.00	50.40

Monitoring System Output Pathlength Corrected? Yes [ ] No [x]

TEST RESULTS:

Run Number	Range	Calibrated Filter Value *(% Opacity)*	Instrument Reading *(% Opacity)*		Arithemtic Difference Low	Mid	High
1	Low	14.90	15.50		0.60	-------	-------
2	Mid	26.00	26.90		-------	0.90	-------
3	High	50.40	51.10		-------	-------	0.70
4	Low	14.90	15.60		0.70	-------	-------
5	Mid	26.00	27.00		-------	1.00	-------
	High	50.40	51.20		-------	-------	0.80
	Low	14.90	15.30		0.40	-------	-------
8	Mid	26.00	26.90		-------	0.90	-------
9	High	50.40	51.30		-------	-------	0.90
10	Low	14.90	15.70		0.80	-------	-------
11	Mid	26.00	26.70		-------	0.70	-------
12	High	50.40	51.50		-------	-------	1.10
13	Low	14.90	15.60		0.70	-------	-------
14	Mid	26.00	27.00		-------	1.00	-------
15	High	50.40	51.40		-------	-------	1.00

	Low Range	Mid Range	High Range
Arithmetic Mean =	0.64	0.90	0.90
Standard Deviation =	0.15	0.12	0.16
Confidence Coefficient =	0.19	0.15	0.20
Calibration Error =	0.83	1.05	1.10

CALIBRATION ERROR (% OPACITY) = **0.99**

KILN #2
CONTINUOUS TEMPERATURE MONITORING
GENERAL INFORMATION REPORT

I. GENERAL INFORMATION

A. Facility Name:	**Mountain Cement Company**
B. Process Unit / Pollutant Monitored:	**Kiln #2 baghouse inlet temperature**
C. Applicable Permit Number or Regulation:	**31-098 & 40 CFR 63, Subpart LLL**
D. Applicable Emission Limit:	**180-minute rolling average: 401 °F with raw mill operating, or 451 °F without raw mill operating**

II. MONITOR INFORMATION

A. Date of Original Installation:	**October 17, 2007**
B. Date of Latest Certification:	**N/A**
C. Thermocouple:	
1. Manufacturer:	**Rosemount**
2. Model Number:	**248HANAA2URN003T25U12**
3. Serial Number Main Chassis:	**N/A**
4. Instrument Span, Range Value (Specify Units):	**0 – 1,200 °F**
D. Diluent Monitor:	**N/A**
E. Quality Assurance Data	
1. QA Plan Date:	**February 3, 2003**
2. QA Plan Approval Date:	

III. OPERATING MONITORING DATA

A. Quarter	**January – March, 2012**
B. Total Hours in Reporting Period:	**2184**
C. Hours Source Unit Operated During Report Period:	**1985.75**

IV. QUARTERLY AUDITS/MONITORING SYSTEM MODIFICATIONS

A. Quarterly Audits	
1. Type Audit:	**Fluke Thermometer Tester**
2. Thermocouple Audit (Include Date Conducted & Pass/Fail):	**March 13, 2012 - Pass**
B. Equipment Replaced During Reporting Period:	**None**

V. REPORT CONTACT

A. Name:	**Mark Andrews** **Environmental Manager**
B. Phone Number:	**[307] 745-2621**

KILN #2
CONTINUOUS TEMPERATURE MONITORING
EXCESS TEMPERATURE & DOWNTIME SUMMARY REPORT

Source Operating Time	1985.75 hrs
Temperature Exceedence Explanation	Hours
1. Raw Mill Start up or Shut down	0
2. Kiln Start up or Shut Down	0
3. Malfunction with Spray ("Cooling") Tower	0
4. Malfunction of Kiln Feed Delivery System	0
5. Power Outage or Surge	0
6. Mechanical Malfunction (Equipment shut down)	0
7. Air Flow Disturbance due to Restriction or Material Buildup/Process Upset	0
8. Process Fan Failure	0
9. Establishment of Temperature during Dioxin Furan Test	4.78
Total Hours of Excess Temperature =	4.78 hrs
Percent of Source Operating Time =	0.24%
CMS Performance Summary	Hours
1. Thermocouple Malfunctions	0
2. Working on Thermocouple	0
3. Performing Calibrations	0
4. DAHS Maintenance	0
Total CMS Downtime with source in operation =	0
Percent of Source Operating Time =	0.00%

KILN #2
CONTINUOUS TEMPERATURE MONITORING
EXCESS TEMPERATURE DETAIL REPORT

Kiln #2 Temperature Limit with Raw Mill Operating = 356 °F

Starting Time	Ending Time	Duration	Emission >356	Maximum Excess	Average Excess	Reason Code	CA Code
0							

Kiln #2 Temperature Limit without Raw Mill Operating = 451 °F

Starting Time	Ending Time	Duration (min)	Emission >451 (min)	Maximum Excess	Reason Code	CA Code
3/6/2012 15:45	3/6/2012 12:02	287	287	457°F	9	N/A

NOTE: The exceedence of the 3-hr temperature limit of 451 degree F occurred while re-establishing a new limit for the scheduled dioxin and furan testing requirement. The objective of the performance test is to operate the inlet temperature of the APCD as close to possible as the existing temperature limit since it had been previously shown that dioxin and furan levels are within the established limits at the measured temperatures found at the inlet to APCD.

KILN #2
CONTINUOUS TEMPERATURE MONITORING
THERMOCOUPLE DOWNTIME DETAIL REPORT

The following table lists the dates and times when the continuous temperature monitor (thermocouple) was inoperative while the kiln was operating:

Incident Number	Date of Incident	Time Incident Began and Ended	Hours Involved in Incident	Explanation for Incident
0				

Quartely PC MACT Thermocouple Audit
KILN #2 baghouse Inlet Temperature
Measurement Verification and Calibration

SECTION 3 PERMIT # 31-098

FACILITY:	Mountain Cement Company
LOCATION:	Laramie, Wyoming
CONTACT:	Mark Andrews; Environmental Manager
QUARTER:	1 st Quarter
AUDIT DATE:	3/13/2012

Thermocouple Verification:

When Temperature Measurements are close agreement (+-4%) No Tem Circuit Calibration Required

Operating Pt.

Origin	Device	Measure TE-450-01
Production Instrument	**Control Room DCS Indicator:**	328
Calibrated Instrument	**Fluke 714 Thermocouple Calibrator**	331

Temprature Circuit Calibration:

TE-450-01 Zero:

Origin	Device	Indication As Found
Production Indication	**Control Room DCS Indicator:**	
Cal. Instrument Indication	**Temprature X-mitter Output:**	

TE-450-01 Span:

Origin	Device	Indication As Found
Production Indication	**Control Room DCS Indicator:**	
Cal. Instrument Indication	**Temprature X-mitter Output:**	

TESTER:

NAME Wade M.

CLINKER COOLER #1
CONTINUOUS OPACITY MONITORING
GENERAL INFORMATION REPORT

I. GENERAL INFORMATION

A. Facility Name:	**Mountain Cement Company**
B. Process Unit / Pollutant Monitored:	**Clinker Cooler #1 / Opacity**
C. Applicable Permit Number or Regulation:	**3-1-098**
D. Applicable Emission Limit:	**10%**

II. MONITOR INFORMATION

A. Date of Original Monitor Installation:	**April 30, 2003**
B. Date of Latest Monitor Certification:	**May 7, 2003**
C. Opacity Monitor	
1. Manufacturer:	**Teledyne Monitor Labs**
2. Model Number:	**Lighthawk 560**
3. Serial Number Main Chassis:	**5600392**
4. Basis of Measurement (If Applicable – Wet or Dry)	**N/A**
5. Instrument Span, Range Value (Specify Units):	**1 – 100%**
D. Diluent Monitor:	**N/A**
E. Flow Monitor	
1. Type of instrument:	**S-Type Pitot Tube**
2. Manufacturer:	**Dwyer**
3. Model Number:	**S-Type**
4. Serial Number Main Chassis:	
F. Quality Assurance Data	
1. QA Plan Date:	**February 28, 2003**
2. QA Plan Approval Date:	**No official notice of approval received from WDEQ/AQD**

III. OPERATING MONITORING DATA

A. Quarter	**January – March 2012**
B. Total Hours in Reporting Period:	**2184**
C. Hours Source Unit Operated During Report Period:	**1995.31**

IV. QUARTERLY AUDITS/MONITORING SYSTEM MODIFICATIONS

A. Quarterly Audits	
1. Type Audit:	**Quarterly Audit**
2. Opacity Monitor (Include Date Conducted & Pass/Fail):	**February 13, 2012 - Pass**
B. Equipment Replaced During Reporting Period:	**None**

V. REPORT CONTACT

A. Name:	**Mark Andrews** **Environmental Manager**
B. Phone Number:	**[307] 745-2621**

CLINKER COOLER #1
CONTINUOUS OPACITY MONITORING
EXCESS OPACITY & DOWNTIME SUMMARY REPORT

Source Operating Time		**1995.31**
Emissions Data Summary		
A.	Duration of Excess Emissions in Reporting Period Due to:	Hours
	1. Kiln Start up	0
	2. Kiln Shut down	0
	3. Raw Mill Start up	0
	4. Raw Mill Shut down	0
	5. Electrical surge/outage/power bump	0
	6. Dirty Monitor Lens	0.1
	7. Process Upset	2.6
	8. Working on monitor (no real emissions likely)	0
	9. Other Known/Unknown Causes	0
B.	Total Duration of Excess Emissions	2.7
C.	Percent of Source Operating Time	0.11%
CMS Performance Summary		
A.	CMS Downtime in Reporting Period Due to:	Hours
	1. Monitor Equipment Malfunctions	0
	2. Working on the Monitor	0
	3. Performing Additional Calibrations/Audit (not including scheduled audits)	0
	4. Other	0
B.	Total CMS Downtime with source in operation	0
C.	Percent of Source Operating Time	0.00%
D.	Total Time of Excess Emission Events Due to Emergency/Abnormal Operations	0.0 hrs

CLINKER COOLER #1
CONTINUOUS OPACITY MONITORING
EXCESS OPACITY DETAIL REPORT

Starting Time	Ending Time	Duration (minutes)	Emission >10.5	Reason Code	CA Code	NOTES
1/04/2012 10:06	1/04/2012 10:36	30	24	7	1	
1/05/2012 07:36	1/05/2012 07:42	6	6	7	1	
1/06/2012 10:30	1/06/2012 10:42	12	12	7	1	
1/14/2012 07:30	1/14/2012 07:36	6	6	6	5	
1/17/2012 07:18	1/17/2012 07:54	30	30	7	1	
1/23/2012 14:48	1/23/2012 15:36	48	18	7	1	
1/29/2012 15:06	1/29/2012 15:12	6	6	7	1	
2/02/2012 07:42	2/02/2012 08:18	36	12	7	1	
2/02/2012 11:18	2/02/2012 11:30	12	12	7	1	
3/01/2012 13:00	3/01/2012 13:13	12	12	7	1	
3/14/2012 20:30	3/14/2012 20:36	6	6	7	1	
3/28/2012 06:18	3/28/2012 06:30	12	12	7	1	
3/29/2012 08:42	3/29/2012 08:48	6	6	7	1	

NOTE:

CLINKER COOLER #1
CONTINUOUS OPACITY MONITORING
MONITOR DOWNTIME DETAIL REPORT

The following table lists the dates and times when the continuous opacity monitor (COM) was inoperative:

Incident Number	Date of Incident	Time Incident Began and Ended	Hours Involved in Incident	Explanation for Incident
0				

OPACITY MONITOR CALIBRATION ERROR DETERMINATION
QUARTERLY AUDIT
MOUNTAIN CEMENT COMPANY

Person conducting test: Wade M

Date of test: 13-Feb-12

Analyzer tested:
Location: Clinker Coolers (K#1)
Manufacturer: Monitor Labs
Model / Serial No LIGHTHAWK/5600392

Calibrated Neutral Density Filter Values:
(Expressed in Percent Opacity)

Low Range	Mid Range	High Range
4.80	8.60	15.90

Monitoring System Output Pathlength Corrected? Yes [x] No [ ]

TEST RESULTS:

Run Number	Range	Calibrated Filter Value *(% Opacity)*	Instrument Reading *(% Opacity)*		Arithemtic Difference Low	Mid	High
1	Low	4.80	3.90		0.90	-------	-------
2	Mid	8.60	7.90		-------	0.70	-------
3	High	15.90	14.90		-------	-------	1.00
4	Low	4.80	4.10		0.70	-------	-------
	Mid	8.60	8.20		-------	0.40	-------
	High	15.90	14.70		-------	-------	1.20
7	Low	4.80	4.00		0.80	-------	-------
8	Mid	8.60	8.10		-------	0.50	-------
9	High	15.90	15.10		-------	-------	0.80
10	Low	4.80	3.80		1.00	-------	-------
11	Mid	8.60	8.20		-------	0.40	-------
12	High	15.90	14.80		-------	-------	1.10
13	Low	4.80	3.90		0.90	-------	-------
14	Mid	8.60	7.90		-------	0.70	-------
15	High	15.90	14.90		-------	-------	1.00

	Low Range	Mid Range	High Range
Arithmetic Mean =	0.86	0.54	1.02
Standard Deviation =	0.11	0.15	0.15
Confidence Coefficient =	0.14	0.19	0.18
Calibration Error =	1.00	0.73	1.20

CALIBRATION ERROR (% OPACITY) = 0.98

CLINKER COOLER #2
CONTINUOUS OPACITY MONITORING
GENERAL INFORMATION REPORT

I.	**GENERAL INFORMATION**	
	A. Facility Name:	**Mountain Cement Company**
	B. Process Unit / Pollutant Monitored:	**Clinker Cooler #2 / Opacity**
	C. Applicable Permit Number or Regulation:	**3-1-098**
	D. Applicable Emission Limit:	**10%**
II.	**MONITOR INFORMATION**	
	A. Date of Original Monitor Installation:	**April 21, 2005**
	B. Date of Latest Monitor Certification:	**May 19, 2005**
	C. Opacity Monitor	
	1. Manufacturer:	**Monitor Labs**
	2. Model Number:	**Lighthawk 560**
	3. Serial Number Main Chassis:	**5600800**
	4. Basis of Measurement (If Applicable – Wet or Dry)	**N/A**
	5. Instrument Span, Range Value (Specify Units):	**1 – 100%**
	D. Diluent Monitor:	**N/A**
	E. Flow Monitor	
	1. Type of Instrument:	**Ultraflow**
	2. Manufacturer:	
	3. Model Number:	**150**
	4. Serial Number Main Chassis:	
	F. Quality Assurance Data	
	1. QA Plan Date:	**January 30, 1997**
	2. QA Plan Approval Date:	**January 12, 2001**
III.	**OPERATING MONITORING DATA**	
	A. Quarter	**January – March 2012**
	B. Total Hours in Reporting Period:	**2184**
	C. Hours Source Unit Operated During Report Period:	**1985.75**
IV.	**QUARTERLY AUDITS/MONITORING SYSTEM MODIFICATIONS**	
	A. Quarterly Audits	
	1. Type Audit:	**Quarterly Audit**
	2. Opacity Monitor (Include Date Conducted & Pass/Fail):	**February 13, 2012 – Pass**
	B. Equipment Replaced During Reporting Period:	**None**
V.	**REPORT CONTACT**	
	A. Name:	**Mark Andrews** **Environmental Manager**
	B. Phone Number:	**[307] 745-2621**

CLINKER COOLER #2
CONTINUOUS OPACITY MONITORING
EXCESS OPACITY & DOWNTIME SUMMARY REPORT

Source Operating Time	**1985.75 hrs**
Emissions Data Summary	
A. Duration of Excess Emissions in Reporting Period Due to:	Hours
1. Kiln Start up	0
2. Kiln Shut down	0
3. Raw Mill Start up	0
4. Raw Mill Shut down	0
5. Electrical surge/outage/power bump	0
6. Dirty Monitor Lens	0
7. Process Upset	0.4
8. Other causes	0
B. Total Duration of Excess Emissions	0.4
C. Percent of Source Operating Time	0.02%
CMS Performance Summary	
A. CMS Downtime in Reporting Period Due to: CANARY	Hours
1. Monitor Equipment Malfunctions	0
2. Working on the Monitor	0
3. Performing Additional Calibrations/Audit	0
4. DAHS Maintenance	0
B. Total CMS Downtime with source in operation	0
C. Percent of Source Operating Time	0.00%
D. Total Time of Excess Emission Events Due to Emergency/Abnormal Operations	0.0 hrs

CLINKER COOLER #2
CONTINUOUS OPACITY MONITORING
EXCESS EMISSIONS DETAIL REPORT

Starting Time	Ending Time	Duration (minutes)	Emission >10.5 (minutes)	Reason Code	CA Code
1/04/2012 11:12	1/04/2012 11:24	12	12	7	1
2/29/2012 13:36	2/29/2012 13:48	12	12	7	1

CLINKER COOLER #2
CONTINUOUS OPACITY MONITORING
MONITOR DOWNTIME DETAIL REPORT

The following table lists the dates and times when the continuous opacity monitor (COM) was inoperative:

Incident Number	Date of Incident	Time Incident Began and Ended	Hours Involved in Incident	Explanation for Incident
0				

OPACITY MONITOR CALIBRATION ERROR DETERMINATION
QUARTERLY AUDIT
MOUNTAIN CEMENT COMPANY

Person conducting test: Wade M

Date of test: 13-Feb-12

Analyzer tested:
Location: Clinker Coolers (K#2)
Manufacturer: Monitor Labs
Model / Serial No LIGHTHAWK/5600800

Calibrated Neutral Density Filter Values:
(Expressed in Percent Opacity)

Low Range	Mid Range	High Range
8.60	15.90	37.20

Monitoring System Output Pathlength Corrected? Yes [ ] No [x]

TEST RESULTS:

Run Number	Range	Calibrated Filter Value *(% Opacity)*	Instrument Reading *(% Opacity)*		Arithemtic Difference Low	Mid	High
1	Low	8.60	9.20		0.60	-------	-------
2	Mid	15.90	16.30		-------	0.40	-------
3	High	37.20	37.90		-------	-------	0.70
4	Low	8.60	9.10		0.50	-------	-------
[illegible]	Mid	15.90	16.40		-------	0.50	-------
[illegible]	High	37.20	37.70		-------	-------	0.50
7	Low	8.60	9.30		0.70	-------	-------
8	Mid	15.90	16.50		-------	0.60	-------
9	High	37.20	37.80		-------	-------	0.60
10	Low	8.60	9.40		0.80	-------	-------
11	Mid	15.90	16.30		-------	0.40	-------
12	High	37.20	37.80		-------	-------	0.60
13	Low	8.60	9.20		0.60	-------	-------
14	Mid	15.90	16.10		-------	0.20	-------
15	High	37.20	37.70		-------	-------	0.50

	Low Range	Mid Range	High Range
Arithmetic Mean =	0.64	0.42	0.58
Standard Deviation =	0.11	0.15	0.08
Confidence Coefficient =	0.14	0.18	0.10
Calibration Error =	0.78	0.60	0.68

CALIBRATION ERROR (% OPACITY) = 0.69

ATTACHMENT NO. 10

Date	1/18/2012
ator	Kevin Rames
Supervisor	Vince Beamer
CR Operator	Casey Ferrell
Shift	1 (6am-6pm)
Crusher and Raw Materials	Crusher- Clean up done and a couple metal detectors. No other issues
Roller Mill	down for pms
RM Run Hrs.	0.00
Blend Silos	60 78
K1 Kiln and Kiln Cooler	kiln burning ok shutdown for 30 mins to purge east bearing on primary air fan. 1 pirtin 761. dust tanks -10.4 and -9.0. not wasiing any dust
K1 Kiln TPH	12.00 K1 DUST TPH 7.0
K1 Kiln RPM	2.04
K1 Kiln Ratio	12.00
K1 Run Hrs.	12.00
K1 and K2 Coal Mills	no issues
En mental	no issues
nouse:	

Pre-Heater	build up minimal no issues
K2 Kiln and Kiln Cooler	kiln ran good no issues
K2 Kiln TPH	80.00 K2 DUST TPH 12
K2 Kiln RPM	2.96
K2 Kiln Ratio	27.00
K2 Run Hrs.	12.00
Clinker Storage and Handling	training roller changed east of hopper 14 on 135 belt. Tripping at 305
A Mill 2.00	brought up on class g waiting on so3 and o3a to come into spec
B Mill	no issues
B Mill 12.00	
Finish Silos	both mills in silo 1 down 33 feet
Misc.Problems and Automation Control System issues CALL OUTS	no issues

Blend Silo 1	60
Blend Silo 2	78
Total Feed:	138
A Mill Type	G
A Mill Silo #	1
B Mill Type	II/V
B Mill Silo #	1

Export info.

Kiln Outage List | Print Outage Report

Visible Emissions Observation

Item	Visible Emissions Y/N ?
Crusher Lg DC	n
Crusher Sm DC	n
R-111 Belt Dschg	n
Blend Silo 1 K207-1	N
Blend Silo 2 K207-2	N
Kiln 2 Feed Scale	N
Preheater Building	N
Kiln Dust Storage/loado	N
K-553 Coal Tunnel	N
K-1 783 Clk Conveyor	N
F-405 Clk Stg Load-In	N
F-410 Clk Stg Load-Out	N
F-406 Clk Reclaim Twr	N
B-882 Rail Unloading	N
Burner Building	N
A Mill Dust Collector	N
B Mill F-540 Dust Collect	N
B Mill F-544 Dust Collect	N
B Mill F-550 Dust Collect	N
C Mill F-776 Dust Collect	N

All visible emissions must be explained

ATTACHMENT NO. 11

http://www.epa.gov/ttn/analysis/exevents.htm
Last updated on Monday, April 23, 2012

Technology Transfer Network
Air Quality Analysis

Treatment of Data Influenced by Exceptional Events

Exceptional Events are unusual or naturally occurring events that can affect air quality but are not reasonably controllable using techniques that tribal, state or local air agencies may implement in order to attain and maintain the National Ambient Air Quality Standards.

Contact: Mark Evangelista
Evangelista.Mark@epa.gov
(919) 541-2803

Background

The Environmental Protection Agency (EPA) finalized a rule to establish criteria and procedures for use in determining if air quality monitoring data has been influenced by exceptional events. The rule:

- ensures that air quality measurements are properly evaluated and characterized with regard to their causes,
- identifies reasonable actions that should be taken to address the air quality and public health impacts caused by these types of events,
- avoids imposing unreasonable planning requirements on state, local, and tribal air quality agencies related to violations of the NAAQS due to exceptional events, and
- ensures that the use of air quality data, whether afforded special treatment or not, is subject to full public disclosure and review.

Examples of Reviewed Exceptional Event Submissions

These documents are examples of exceptional event submissions, or the decision documents responding to the demonstrations, for various cases of exceptional events. The purpose of this table is to provide examples of Exceptional Event demonstrations that have been reviewed by EPA. This table is not intended to serve as a database for all Agency actions on exceptional events. These examples may help agencies develop demonstration packages submitted in support of requests for data exclusion due to influence of Exceptional Events; however, they may not contain the minimum level of data or case-specific analyses necessary for any other exceptional event demonstration.

Please note that not all concentrations addressed in the demonstrations in this table may have resulted in EPA concurrences.

PM2.5

Event	Agency	Location	Available Documentation

Summer 2008 Wildfires (series 2)	California ARB	Plumas and Shasta Cos.	Shasta-Plumas demonstration series 2 (8/28/09) (ZIP, 463 KB) EPA response letter (4/02/10) (PDF, 53 KB) EPA technical support document (3/30/10) (PDF, 1.5 MB)
Summer 2008 Wildfires (series 1)	California ARB	Plumas and Shasta Cos.	Shasta-Plumas demonstration series 1 (8/28/09) (ZIP, 900 KB) EPA response letter (3/11/10) (PDF, 60 KB) EPA technical support document (3/11/10) (PDF, 1.5 MB)
Summer 2007 Wildfires	California ARB	Plumas Co.	Plumas demonstration (6/17/09) (ZIP, 29 MB) EPA response letter (3/11/10) (PDF, 60 KB) EPA technical support document (3/11/10) (PDF, 980 KB)
July 2008 Fireworks	Illinois EPA	Granite City, IL	Granite City demonstration (6/17/09) (ZIP, 603 KB) EPA response letter (7/24/09) (PDF, 225 KB) EPA technical support document (7/24/09) (PDF, 443 KB)
Summer 2007 Wildfires	Montana DEQ	Multiple locations across Montana	MT DEQ demonstration (12/14/07) (PDF, 43 MB) EPA response letter (8/18/08) (PDF, 758 KB) EPA technical support document (8/18/08) (PDF, 272 KB)
July 2007 Wildfire	Utah DEQ	Lindon, UT	Lindon demonstration (12/24/2007) (PDF, 3 MB) EPA response letter (4/29/08) (PDF, 612 KB)
July 2007 Fireworks	Utah DEQ	Rose Park, UT West Valley, UT	Rose Park demonstration (12/24/2007) (PDF, 895 KB) West Valley demonstration (12/24/2007) (PDF, 877 KB) EPA response letter (4/29/08) (PDF, 612 KB)

PM10

Event	Agency	Location	Available Documentation
August 2007 Wildfires	Montana DEQ	Silverbow Co., MT	MT DEQ demonstration (12/14/07) (PDF, 43 MB) EPA response letter (8/18/08) (PDF, 758 KB) EPA technical support document (8/18/08) (PDF, 272 KB)

Ozone

Event	Agency	Location	Available Documentation
Summer 2008 Wildfires	California ARB	Sacramento County, CA	CARB demonstration (3/30/11) (ZIP, 80 MB) EPA response letter (4/13/11) (PDF, 92 KB) EPA technical support document (4/13/11) (PDF, 238 KB)

Publicly Available Support Information and Tools

EPA provides no endorsement of specific publicly available tools, nor does EPA mandate their use.

- Technical Support Document (TSD) Preparation - "best practices and components" presentation (PPT, 11.7 MB)
- Remote Sensing Information Gateway
- Wildland Fire Air Quality Tools Portal EXIT Disclaimer
- University of Utah MESOWEST EXIT Disclaimer
- DataFed: Web-based software providing atmospheric data and tools EXIT Disclaimer

ATTACHMENT NO. 12

DATA SORTED BY DEGEE SECTORS 0-360

DATE	TIME	AVE WIND SWS-1	PK WIND PWS-1	DIRECT SWD-1	TEMP C TMP-1	PM-10 ug/m3
2/6/2011	900	6.52	10.50	0	-10.3	12
20100109	1100	1.36	2.60	0.1	-10.4	74
20100129	1400	2.27	3.30	0.1	-1.5	29
2/6/2012	1700	5.21	8.90	0.1	-6.1	13.9
20100106	900	6.45	8.80	0.3	-8.5	14
3/8/2012	100	1.87	3.20	0.3	-9.2	9.3
20100126	1400	2.38	4.50	0.5	-1.9	32
20100219	1500	2.25	4.40	0.5	-8.5	19
20100208	1000	7.34	9.70	0.6	-9.9	8
1/11/2012	1900	4.82	7.30	0.8	-17.6	9.4
20100308	1300	9.66	15.10	0.9	1.6	15
3/29/2011	1100	3.14	7.30	0.9	0.3	15
2/6/2012	1900	3.61	8.30	1	-8	14.1
3/21/2012	1600	7.24	11.20	1	10.6	39
20100207	1300	3.84	5.80	1.2	-4.7	5
20100306	1300	6.01	8.00	1.2	1.4	14
20100223	1700	0.93	3.50	1.3	-9	27
2/6/2011	1000	5.56	9.20	1.3	-9.8	8
1/11/2012	1200	9.99	13.80	1.3	-13.5	31.6
20100218	400	1.82	3.00	1.4	-4.8	14
1/3/2011	2300	1.15	2.80	1.4	-21.5	9
20100111	100	1.56	2.80	1.5	-20.8	12
20100125	500	4.14	5.80	1.5	-13.9	14
20100310	1000	3.87	6.40	1.5	-3.2	15
3/3/2011	1800	3.20	5.50	1.5	0.4	25
2/13/2012	700	4.26	6.40	1.5	-5.3	5.9
3/29/2012	500	2.14	4.70	1.6	0	15.3
20100308	1200	8.81	12.80	1.7	1.4	13
2/3/2012	1600	4.94	7.50	1.8	-6.5	14
2/6/2011	400	6.11	9.60	1.9	-9.1	19
3/8/2011	1000	5.34	11.60	1.9	-6	16
20100326	2000	4.49	6.50	2.2	-2.7	11
2/23/2012	100	10.69	17.40	2.2	-5.3	
1/24/2012	1400	6.04	8.70	2.5	-4.5	5.1

DEGREES	WS-AVE (M/S)	WS-PEAK (M/S)	PART ug/m3
0-90	3.38	5.84	16.03
90-180	3.60	5.91	16.17
180-270	6.25	10.22	32.12
270-360	6.63	10.75	31.11
225-315	7.36	11.80	37.84
NOT PLANT	3.86	6.56	17.50

DEGREES	WS-AVE (MPH)	WS-PEAK (MPH)	PM-10 ug/m3
0-90	7.58	13.09	16.03
90-180	8.07	13.23	16.17
180-270	14.00	22.90	32.12
270-360	14.86	24.09	31.11
* 225-315	16.50	26.44	37.84
NOT PLANT	8.66	14.69	17.50

NOTE: NONE OF THE 9 TOP PM-10 OUTLIERS HAVE BEEN REMOVED FROM DATA SETS; ALL OF WHICH WERE FOUND IN THE 225-315 DEGREE AREA OF STUDY

DEGREES	WS-AVE (MPH)	WS-PEAK (MPH)	PM-10 ug/m3
225-315	16.50	26.44	35.39

NOTE: OUTLIERS REMOVED FOR AVE PM-10

1/31/2012	200	3.13	7.30	2.6	-5.6	9.3
2/6/2012	1300	4.67	7.60	2.6	-3.3	11.1
3/7/2012	2300	3.14	5.50	2.7	-7.5	7.4
1/6/2012	1400	3.87	6.50	2.8	4.6	11.2
3/22/2012	1700	6.05	9.60	2.8	12.1	19
20100208	600	4.96	7.20	2.9	-9.3	6
20100301	0	1.33	2.30	2.9	-5.9	14
2/12/2012	1500	4.32	6.80	2.9	1	15
3/7/2012	1500	5.84	9.30	3	-2.7	24.8
1/19/2011	1400	6.96	10.80	3.1	-8.5	6
3/13/2012	2100	1.84	3.80	3.1	7	22.1
20100226	1700	1.57	2.70	3.2	-7.9	24
3/7/2012	2100	4.54	7.90	3.2	-5.4	13
20100301	2000	1.17	5.10	3.3	-6.7	36
20100322	2200	5.52	9.80	3.6	-0.5	11
3/7/2012	2200	3.99	6.40	3.6	-6.2	8.8
3/22/2012	1600	7.06	11.20	3.7	13.7	26.7
20100309	1300	7.85	10.80	3.8	1.4	5
20100331	500	7.58	11.50	3.8	-3.1	16
1/8/2012	1200	2.81	5.70	3.9	-2.3	9.4
2/17/2012	1400	7.64	10.90	4	-4.5	12.1
20100228	1400	4.00	5.60	4.1	0.3	17
2/3/2011	1200	0.65	2.30	4.2	-10	20
1/27/2012	1500	6.80	10.90	4.2	-9	9
20100208	900	6.45	9.40	4.3	-10	14
20100225	1000	4.85	7.80	4.4	-3.5	10
2/13/2012	200	4.41	6.60	4.6	-4.4	5.4
2/6/2011	500	4.91	7.60	4.7	-9.8	-18
3/8/2012	1600	3.45	5.40	4.8	2.5	18.4
3/22/2012	1500	6.49	11.40	4.8	14.3	23
20100214	1100	2.25	5.00	4.9	-12.3	15
20100315	500	1.07	3.50	4.9	-4.7	10
2/5/2011	2100	5.51	8.70	4.9	-6.2	7
1/8/2012	1500	3.45	7.70	4.9	-1.3	13.2
1/31/2012	2300	2.09	3.50	4.9	-5.6	13.1
1/31/2011	1800	3.43	6.40	5	-20.6	11
20100219	1400	2.92	4.30	5.1	-8.3	21

20100309	1800	2.40	4.30	5.1	-2.5	18
20100318	1200	6.19	9.30	5.2	6.1	33
1/31/2011	800	3.83	8.80	5.4	-14.4	-10
20100208	800	5.97	8.50	5.5	-9.8	16
20100315	800	0.99	2.90	5.5	-3.4	11
1/9/2011	500	1.64	3.70	5.8	-5.4	9
2/3/2012	1100	5.35	7.70	5.9	-5.7	38.9
1/11/2012	300	4.97	10.40	6	-5.3	44.9
20100128	2200	1.29	2.00	6.4	-7.3	11
20100222	1200	1.02	2.30	6.4	-12.3	10
3/21/2012	1500	6.10	13.50	6.4	10.6	9.8
1/7/2011	1400	5.95	8.30	6.5	-0.1	13
1/24/2012	300	2.35	4.30	6.5	-4.3	6
20100223	1300	2.04	3.50	6.6	-3	14
2/1/2011	200	4.97	8.00	6.6	-29.1	7
2/6/2011	300	7.15	13.10	6.6	-8	8
3/22/2012	1800	2.64	4.50	6.6	7.7	28.2
20100316	1600	4.76	8.20	6.9	7.6	17
3/26/2011	1900	2.82	4.60	6.9	-1.1	12
1/8/2012	1600	3.40	5.30	6.9	-3.8	27.6
1/1/2012	800	3.18	5.80	7	-5.1	
1/31/2011	1700	3.31	4.60	7.2	-20.9	
2/3/2012	1200	5.87	8.60	7.2	-5.7	46.4
20100324	1100	1.97	4.70	7.5	-4.5	10
20100320	1300	5.24	8.30	7.6	-3.5	8
2/1/2011	1300	3.87	5.70	7.6	-27	13
20100227	1500	3.65	5.30	7.8	-2.4	23
20100227	1600	2.86	4.40	7.8	-4.3	16
1/24/2012	1500	3.83	7.20	7.8	-4.7	8.2
20100222	500	1.23	2.30	8	-19.5	12
20100315	100	2.98	4.50	8	-3.6	9
3/21/2012	1100	3.15	7.20	8	7.7	11.4
20100327	400	4.44	7.40	8.1	-4.9	6
2/3/2011	1600	1.92	3.10	8.1	-10.4	5
3/8/2012	1500	3.49	6.10	8.1	2.7	16.8
20100106	1600	8.17	11.50	8.2	-17.7	15
1/25/2011	1100	4.24	6.80	8.2	-4.8	18

3/11/2012	1000	0.96	2.50	8.4	7.2	12.3
3/21/2012	1800	3.96	6.70	8.5	5.5	22.3
2/6/2011	100	3.17	4.60	8.6	-7.7	7
3/10/2012	1500	5.14	7.50	8.6	11.6	20.7
20100207	1500	4.04	5.30	8.8	-4.7	8
2/3/2012	1300	5.72	8.10	8.8	-5.4	35.7
2/12/2012	1700	3.33	6.20	8.8	-1.8	7.7
20100319	1900	2.59	5.20	9	-8.8	9
1/19/2011	1500	5.80	9.10	9	-9.7	10
1/24/2011	1600	3.04	5.80	9.1	-5.6	8
2/3/2012	1500	5.20	7.90	9.1	-5.9	9.3
20100208	700	5.75	8.20	9.3	-9.7	10
20100324	200	2.99	5.00	9.3	-5.5	6
1/7/2012	700	1.42	3.80	9.3	-2.6	18.6
2/6/2011	200	5.29	10.10	9.5	-7.7	9
1/24/2012	1600	3.37	5.60	9.6	-5.1	9.6
3/21/2012	1000	1.60	4.80	9.6	6.4	13.1
20100207	1000	2.84	4.90	9.7	-5.3	7
3/12/2011	2000	1.19	2.70	9.9	0.1	8
20100106	1800	4.57	8.20	10	-17.4	9
20100214	100	8.77	11.50	10	-10.4	20
1/24/2012	1700	2.98	5.10	10.1	-7.8	14.7
3/22/2012	1100	3.48	6.50	10.1	10.8	14.6
20100207	1100	3.47	5.10	10.2	-4.4	3
20100316	1500	7.38	11.20	10.2	7.7	12
1/9/2012	1400	4.59	6.80	10.2	3	9.2
2/3/2012	1400	5.24	7.70	10.2	-5.5	10.5
20100106	1500	7.55	10.60	10.4	-17.5	11
20100214	200	6.97	11.50	10.4	-11.6	21
2/13/2012	800	3.13	5.40	10.4	-4.9	12.1
20100324	600	1.31	2.20	10.5	-7.2	9
3/8/2011	700	4.64	7.50	10.5	-8.7	11
1/7/2012	800	1.19	3.60	10.6	-2.6	16.7
2/17/2012	1300	6.70	9.90	10.6	-3.9	22.1
20100324	300	2.36	3.80	10.7	-7.2	4
2/3/2012	400	4.70	11.60	10.7	-6	28.7
2/14/2012	1300	3.77	5.60	10.7	-2.1	22.6

1/17/2012	100	1.66	4.50	10.8	-17.8	8
1/6/2012	1300	3.80	7.60	10.9	4.7	12.4
2/6/2012	1400	3.75	6.40	11	-3.8	12.7
3/11/2012	1400	4.55	9.60	11	9.1	10.5
20100207	800	2.07	4.20	11.1	-6	7
20100324	900	1.77	3.70	11.1	-6.2	8
2/5/2011	2200	5.48	10.10	11.1	-6.9	5
20100309	800	3.34	6.00	11.3	-2.8	10
1/24/2012	500	3.12	4.40	11.3	-5.2	7.7
2/17/2012	1800	5.39	8.80	11.3	-7.2	9
2/10/2012	1500	4.03	6.70	11.4	-2.6	25
3/14/2012	2200	2.23	6.20	11.6	2.1	17.5
2/2/2012	1800	4.63	9.00	11.7	-4.1	28.2
2/17/2012	1200	5.76	7.80	11.8	-3.6	16.1
20100130	1600	2.47	3.80	12	-5.4	11
20100306	1400	6.03	7.60	12.1	1.3	13
20100324	500	1.52	3.00	12.1	-7.3	7
20100324	800	2.17	4.30	12.1	-6.5	8
20100130	1200	3.03	4.30	12.2	-3.3	24
2/3/2012	1000	5.98	9.20	12.2	-5.9	21.8
20100327	0	3.38	6.10	12.3	-4.8	7
1/9/2012	1200	2.38	4.70	12.4	2.4	15.9
20100106	1400	8.50	12.70	12.7	-16.8	13
3/9/2012	1600	3.94	5.50	12.7	8.4	19.5
20100129	1500	2.49	3.50	13	-2.3	15
1/7/2011	1300	3.67	8.40	13	0.2	11
3/22/2012	1400	5.22	11.60	13	14.3	19.5
2/6/2011	1700	3.89	5.30	13.1	-15.3	4
20100323	600	1.73	2.70	13.2	-1.5	10
1/9/2012	1100	1.85	3.70	13.2	1	25.4
3/10/2012	1600	4.78	6.40	13.3	10.3	11.8
20100207	1400	4.02	5.80	13.4	-4.4	5
20100226	1300	3.98	5.90	13.4	-2.5	18
20100108	2000	1.66	2.90	13.5	-20.8	28
20100108	300	0.71	1.90	13.6	-35.8	12
1/12/2012	1000	2.38	6.20	13.6	-7.8	16.3
20100217	1100	4.17	5.80	13.7	-0.1	13

1/9/2012	2300	1.65	3.20	13.7	-10	10.2
20100315	1500	2.38	4.50	13.8	3.8	13
1/9/2012	1300	3.69	6.20	13.9	2.8	11
2/4/2011	600	1.69	3.10	14.1	-18.7	20
20100108	700	0.94	2.10	14.2	-32.5	24
20100207	1900	2.41	3.00	14.3	-6.4	7
20100228	2200	2.16	3.10	14.3	-4.4	12
20100130	1300	2.73	4.80	14.4	-3.6	17
20100315	200	2.42	3.50	14.4	-3.6	9
2/4/2011	1000	2.71	5.20	14.4	-7.4	60
2/6/2012	1500	2.88	6.30	14.4	-3.9	13.6
2/2/2012	1000	3.77	10.50	14.6	1.1	22.3
20100108	1300	2.63	4.80	14.7	-16.4	13
20100303	1500	4.78	7.10	14.7	3.7	13
2/24/2011	1800	3.55	6.10	14.8	-5.6	10
20100110	1100	1.61	3.90	14.9	-9.6	31
1/27/2011	1300	4.48	7.10	14.9	1.7	44
2/18/2012	1500	3.58	4.60	14.9	-1.2	6.6
20100208	200	1.09	2.70	15	-9.1	5
3/12/2011	1200	4.74	7.60	15	2.4	22
20100316	1300	5.82	10.60	15.1	6.9	14
2/27/2011	1100	5.34	10.30	15.1	-0.4	45
3/10/2012	1400	5.53	9.70	15.1	12.2	25.5
20100207	2000	2.81	3.60	15.2	-6.9	10
3/8/2011	600	4.83	6.80	15.3	-8.7	7
1/7/2012	900	1.98	3.80	15.4	-2.6	11.1
20100109	1400	2.59	3.40	15.5	-9.6	13
20100207	1800	2.53	3.80	15.6	-6	8
1/6/2012	1200	6.43	10.80	15.6	4	10
2/2/2012	1600	6.43	11.30	15.6	-3.4	33.6
2/17/2012	1900	3.52	5.90	15.6	-8.7	6.6
20100109	1000	0.90	2.20	15.7	-13.3	55
2/2/2012	1900	4.30	8.90	15.7	-3.9	43.4
2/12/2012	2000	2.01	3.40	15.7	-2.1	8.1
20100215	1400	4.36	5.60	15.8	-5.6	15
20100315	1400	3.52	5.80	15.8	3	17
1/13/2011	1100	1.59	3.60	15.8	1.8	38

3/9/2012	1300	4.72	8.90	15.8	9	19.3
3/22/2012	1200	3.36	7.10	15.8	12.8	6.5
20100322	2300	4.83	9.10	15.9	-0.8	10
20100115	1600	2.94	5.40	16	-4.8	19
2/4/2011	1100	2.79	4.70	16.1	-6.5	25
3/10/2012	1700	3.80	5.60	16.2	8	18.2
20100117	1500	2.11	3.40	16.3	0	21
20100128	1700	2.44	4.40	16.3	-5.4	8
1/31/2011	1900	4.84	6.80	16.4	-19.2	16
1/11/2011	2300	1.56	2.70	16.5	-20.4	9
20100326	1100	5.49	9.00	16.6	2.7	21
20100108	1200	3.90	5.40	16.7	-17.5	17
20100312	1200	4.18	6.30	16.8	2.1	11
3/7/2011	600	3.26	5.40	16.9	-7.6	5
20100322	2000	3.22	7.40	17	0.5	14
3/3/2011	1700	2.78	5.90	17	1	40
2/5/2012	1300	2.04	3.70	17.1	-0.3	19.4
1/23/2011	100	1.79	3.40	17.2	-10.6	0
20100207	1600	4.58	6.10	17.3	-4.9	7
20100312	800	1.63	2.70	17.3	-4.4	18
20100318	600	0.62	2.00	17.3	-2	23
2/14/2012	1400	3.97	6.00	17.3	-2	13.6
20100317	1300	6.12	8.60	17.4	9.5	12
20100217	1400	4.77	6.60	17.5	-0.7	15
20100228	1700	3.33	5.20	17.6	-0.6	18
1/12/2012	1200	5.70	7.90	17.6	-6.7	14.3
20100130	1500	3.76	5.70	17.7	-4.6	13
20100309	1400	7.82	11.40	17.7	1.7	8
20100130	300	0.60	1.30	17.8	-16.7	23
2/17/2012	1700	5.79	9.10	17.9	-6.8	12.7
20100217	400	0.84	3.10	18	-11	16
20100309	1700	4.37	6.20	18	-0.4	20
1/9/2012	1500	2.94	5.30	18	3	14.4
20100109	1300	2.70	3.60	18.2	-9	19
20100327	300	4.00	9.80	18.2	-4.5	8
2/15/2012	1600	2.96	5.80	18.2	-6.1	10.4
20100106	1900	5.63	8.10	18.3	-18.4	5

20100130	1000	0.99	2.00	18.3	-7.3	55
3/22/2012	1300	3.90	8.90	18.3	13.9	11.1
20100125	600	5.26	8.20	18.4	-12.9	12
20100106	1700	7.12	10.60	18.5	-18	10
20100207	700	2.54	4.40	18.5	-6.2	6
20100322	2100	3.85	7.70	18.7	-0.6	10
20100110	2100	0.79	1.60	18.8	-19.3	18
20100226	1500	1.88	3.60	18.9	-2.1	11
20100322	1800	4.84	8.40	18.9	1.7	26
20100327	200	1.87	3.30	18.9	-5.3	9
1/9/2011	1300	8.11	11.10	19	-9.4	38
1/1/2012	1000	3.15	5.00	19.1	-2.2	
20100114	1500	1.37	3.00	19.2	-4.9	18
20100309	1500	7.20	10.20	19.3	1.8	9
20100129	1600	3.23	4.30	19.4	-3.4	10
1/9/2011	600	4.40	8.30	19.5	-6.2	5
3/13/2011	1500	2.30	7.80	19.5	4.7	14
20100217	800	1.48	5.70	19.7	-5.4	28
20100302	1200	3.93	5.10	19.7	2	24
1/31/2011	1400	4.04	5.60	19.7	-14.6	19
2/15/2012	1400	5.56	7.70	19.7	-4.4	14
3/1/2012	1200	4.84	8.60	19.7	-3.5	15.1
1/9/2012	1600	2.01	3.80	20.1	0.8	42.6
2/15/2012	600	1.79	4.20	20.1	-20.1	21.4
2/2/2011	1700	0.75	1.70	20.3	-24.6	11
3/9/2012	1500	3.60	5.50	20.3	8.7	15.2
20100115	1500	2.98	5.00	20.4	-2.6	16
20100331	1000	2.23	5.10	20.4	5.3	19
3/8/2011	500	4.35	6.60	20.6	-8.2	12
20100207	1700	3.48	4.80	20.7	-5.4	8
20100208	1100	6.81	9.60	20.7	-10.2	8
3/3/2011	1200	4.98	9.10	20.8	2.6	59
3/9/2012	1400	4.17	7.00	20.9	9.1	19.3
20100208	1300	7.06	10.60	21	-10.5	5
1/7/2011	1200	4.40	6.90	21	-0.6	35
20100208	1600	4.84	7.40	21.1	-12.3	8
20100331	400	6.70	10.10	21.1	-2.4	16

20100103	1300	0.24	1.10	21.2	-2.8	6
2/2/2012	1700	5.96	10.90	21.2	-3.7	22.8
2/1/2011	1400	3.05	5.10	21.3	-26.8	6
1/19/2011	1600	2.55	4.80	21.4	-10.1	19
1/6/2012	1100	5.66	10.00	21.4	4	11.9
20100130	1400	4.14	5.60	21.5	-4.3	14
2/3/2011	1100	0.83	2.30	21.5	-11.3	23
2/15/2012	1500	5.14	7.50	21.6	-5.4	9.5
1/24/2012	700	3.98	5.50	21.7	-4.5	10
2/13/2012	1300	4.17	5.90	21.7	-2.4	6.1
20100226	1200	1.14	3.20	21.8	0.1	15
20100226	1400	3.09	4.20	21.9	-2	10
20100323	2000	2.84	5.40	21.9	-4.9	11
3/20/2011	100	4.17	6.50	22	-2	48
20100228	2300	2.36	3.60	22.1	-5.3	14
20100217	1300	5.11	8.50	22.3	-0.6	17
20100312	1300	4.93	7.60	22.3	2.5	13
2/1/2011	400	3.19	4.50	22.3	-31.8	7
3/20/2011	200	4.31	7.10	22.4	-2.5	39
1/23/2012	2300	1.24	2.60	22.4	-4.9	16.8
2/3/2012	500	5.09	9.70	22.6	-6.3	19.7
20100208	1400	6.14	9.10	22.8	-10.8	6
2/10/2012	600	1.14	3.10	22.8	-9.8	7.8
20100108	400	1.32	2.30	22.9	-34.7	17
20100208	1200	7.82	11.70	22.9	-10.5	8
3/13/2011	1300	2.26	4.60	22.9	3.4	11
2/1/2011	500	3.17	3.90	23	-32.6	7
2/2/2011	1500	3.23	5.40	23	-21.6	18
3/22/2012	1000	1.99	5.30	23	9.4	16.8
20100308	1100	6.01	10.50	23.1	0.8	8
2/13/2012	1400	3.69	5.50	23.1	-2.4	8
1/19/2011	1200	6.94	11.40	23.2	-6.5	17
20100113	1500	3.45	5.20	23.3	-0.6	16
3/11/2012	1100	2.17	5.80	23.3	8.5	20.7
20100109	1200	2.17	3.00	23.4	-9.5	21
20100206	1600	2.94	4.20	23.4	0.3	14
1/31/2011	1600	4.23	7.10	23.4	-17.6	3

3/11/2012	1200	4.64	7.00	23.4	8.7	12
20100103	1200	1.17	2.30	23.7	-3.5	9
20100214	600	3.82	6.10	23.9	-14.4	5
20100303	1600	3.85	5.60	23.9	3.2	17
1/1/2012	1300	5.99	9.00	23.9	-1.8	
3/8/2012	0	1.70	3.30	23.9	-7.7	8.9
20100108	1100	1.86	3.80	24	-19.5	82
20100114	1400	2.91	4.40	24	-5.9	15
20100219	1300	1.17	2.10	24	-8.5	9
2/3/2012	800	4.88	8.50	24.1	-6.6	23.9
2/3/2011	1700	2.93	4.80	24.3	-14.2	11
1/24/2012	100	2.06	3.00	24.3	-3.2	14
20100215	1500	4.04	5.40	24.4	-6.1	12
20100306	1700	3.23	6.60	24.4	-0.9	17
1/1/2012	900	4.01	6.00	24.5	-3.3	
1/29/2011	1200	4.75	7.70	24.7	2.4	11
3/3/2011	1600	3.07	5.20	24.8	1.8	29
3/8/2012	1700	2.56	4.20	24.8	1.5	36.8
20100314	2000	2.07	3.70	24.9	-2.9	11
2/18/2012	1600	2.80	4.10	24.9	-3.3	4.8
3/9/2012	1700	3.17	5.20	24.9	6.3	38.2
1/3/2011	1400	5.51	7.90	25	-9.6	10
2/10/2012	400	1.24	2.50	25.1	-8.6	7.6
20100108	1900	1.01	2.50	25.2	-21.1	32
20100227	1700	3.22	4.80	25.2	-4.7	18
20100308	200	2.11	5.30	25.3	-1.8	8
20100309	1600	6.22	8.80	25.3	1	20
20100220	600	1.86	2.90	25.5	-11.1	9
2/1/2011	1600	2.16	3.10	25.5	-27	14
2/13/2012	900	1.71	3.30	25.5	-4.2	16.5
20100116	1500	1.91	4.40	25.6	-0.4	23
20100209	1400	3.59	5.60	25.6	-7.4	14
20100317	1200	5.80	8.80	25.6	9.3	21
1/25/2011	2300	0.58	1.40	25.6	-6.2	12
2/15/2012	1300	4.42	7.60	25.7	-4.2	13.6
20100308	700	1.65	3.60	25.9	-2.8	13
2/3/2012	600	4.98	10.60	25.9	-6.7	21.9

20100109	900	1.58	2.70	26	-16.6	41
20100308	2100	2.47	5.10	26	0.3	9
20100312	1400	5.18	8.90	26.1	2.9	17
1/27/2011	1500	2.21	4.40	26.1	2.6	15
1/11/2012	100	1.98	4.10	26.1	-2.5	13
20100309	300	2.86	4.50	26.3	-2.9	7
1/9/2011	1200	6.37	10.30	26.3	-8.7	31
2/11/2011	1200	2.64	4.90	26.3	-2.9	18
20100211	800	1.66	3.70	26.5	-9.9	32
20100306	1500	5.27	7.40	26.5	1.2	13
20100312	900	1.66	3.50	26.5	-1.4	17
20100317	1400	5.17	7.90	26.5	9.4	21
1/3/2011	1300	5.92	8.30	26.5	-9	10
2/24/2011	1600	6.45	10.40	26.6	-4.8	52
2/14/2012	1500	3.17	5.00	26.7	-1.9	9.1
2/4/2011	1200	2.80	4.50	26.9	-5.8	15
20100208	1500	6.75	9.00	27	-11.6	8
20100331	900	3.95	6.10	27	2.3	18
3/8/2011	800	2.85	5.60	27.1	-8.4	11
20100302	1500	4.07	5.50	27.2	2.1	19
20100308	500	0.67	2.20	27.2	-3.2	16
1/1/2012	1400	4.61	6.50	27.2	-1.9	
20100306	1600	4.55	5.80	27.4	0.5	12
1/11/2011	1100	1.27	2.30	27.4	-9.9	11
20100109	600	2.95	4.40	27.5	-22.2	15
20100205	1000	3.02	4.10	27.6	-4.4	9
20100331	700	4.86	6.50	27.6	-1.9	17
3/12/2011	1300	3.82	5.60	27.6	1.6	35
2/5/2012	300	1.38	2.20	27.6	-13.8	5.4
3/11/2012	1300	4.52	6.60	27.6	7.8	15.9
2/14/2012	1600	1.94	3.40	27.7	-2.9	12.4
20100315	1300	3.73	5.60	27.8	3.5	20
3/13/2011	1400	2.41	3.80	27.8	3.8	17
2/5/2012	1200	1.58	3.20	27.9	-0.9	10.6
2/2/2012	1300	6.64	10.50	28	0.9	13.7
2/12/2012	1800	2.11	3.10	28	-2.2	6.6
20100208	100	1.72	2.70	28.1	-9.1	6

20100323	2100	2.50	4.60	28.1	-4.8	13
20100109	1500	1.18	2.00	28.2	-9.2	18
20100302	1400	4.49	6.40	28.2	2.5	20
20100331	300	7.24	11.80	28.2	-1.5	16
2/27/2011	1300	6.03	10.00	28.2	-1.5	40
1/11/2012	2000	3.25	5.80	28.2	-18.9	13
2/6/2012	900	0.72	1.80	28.2	-8.6	18.4
20100316	1000	1.36	5.10	28.3	6.2	0
2/4/2011	1300	1.55	3.50	28.4	-5.2	12
20100317	1600	3.19	5.00	28.5	9.2	22
2/5/2012	1600	2.10	3.50	28.5	-2.8	12.8
20100217	1200	5.01	7.20	28.6	-0.1	17
20100316	1400	5.09	10.30	28.6	7.7	14
20100125	1000	1.66	2.90	28.7	-5.7	11
20100207	500	1.77	3.10	28.7	-8.2	11
2/2/2012	1200	7.17	11.90	28.7	1	17.6
2/28/2011	2300	2.02	5.30	29.1	0.3	22
20100309	400	2.81	3.50	29.2	-3.9	9
20100223	1500	1.56	2.90	29.3	-3.1	17
1/9/2011	700	4.86	6.60	29.4	-7	21
20100113	1300	2.18	4.00	29.5	2.5	10
20100222	200	2.58	3.60	29.5	-21.9	11
20100302	1300	4.14	6.40	29.5	2.6	10
1/24/2012	600	2.19	4.00	29.5	-5.2	7.5
1/24/2011	200	3.28	7.40	29.6	-6.1	21
20100324	700	0.73	2.80	29.8	-6.7	10
2/3/2011	2300	1.02	2.20	29.8	-23.3	5
2/26/2011	700	3.68	6.20	29.8	-4.8	13
1/1/2012	1200	6.05	8.90	29.8	-1.2	
20100207	2100	1.24	3.00	29.9	-8.2	6
20100312	1500	4.09	7.60	29.9	2.5	12
20100225	2000	1.87	2.80	30.2	-7.2	7
3/8/2011	900	1.97	5.40	30.3	-7	18
20100218	1900	1.91	3.00	30.5	-8.4	6
2/27/2011	1400	6.22	9.40	30.5	-2	10
2/10/2012	800	1.71	11.60	30.5	-4.9	23.2
3/29/2012	0	2.80	4.10	30.5	2.4	27.7

3/29/2012	300	3.19	5.90	30.5	-0.7	12.9
20100308	1000	4.02	5.90	30.6	-0.1	7
3/20/2011	300	3.66	7.70	30.6	-3.1	28
2/2/2012	2000	5.73	11.40	30.6	-4.2	40.2
2/2/2012	2100	6.55	11.50	30.6	-4.8	48.6
20100127	1200	3.67	5.10	30.7	-0.9	9
1/31/2011	1500	3.51	5.80	30.8	-14.7	3
20100222	0	2.34	3.70	31.1	-20.1	14
20100317	1500	4.16	7.20	31.2	9.6	16
20100223	1600	1.24	2.00	31.3	-3.6	23
20100322	1400	2.63	6.50	31.3	6.7	30
20100206	1500	3.37	5.00	31.4	1.3	4
1/3/2011	1200	5.37	8.20	31.4	-8.6	40
2/26/2012	1800	2.55	4.80	31.6	-8.6	11.2
20100115	1200	0.92	2.10	31.8	-0.5	7
20100223	1100	1.32	2.40	31.8	-5.1	11
20100319	1200	8.28	11.60	31.8	-7.3	8
2/4/2011	800	1.73	6.00	31.8	-13	13
20100302	1600	3.92	5.00	32	1.4	19
20100305	600	1.53	3.30	32	-2.8	11
20100207	2200	0.64	1.50	32.3	-8.8	8
1/24/2012	400	1.70	3.50	32.3	-5.1	7.1
3/10/2012	1800	2.39	4.10	32.4	4.6	36.8
20100216	1300	1.25	2.70	32.5	-1.8	7
20100319	600	2.64	5.10	32.5	-6.6	7
3/29/2011	200	2.24	5.10	32.5	-5.7	6
20100301	100	1.24	3.00	32.6	-5.1	15
20100323	1700	5.91	10.60	32.6	-4.3	7
1/25/2011	1400	2.14	3.00	32.7	-3.9	17
2/4/2011	900	2.64	5.10	32.7	-11.4	82
20100108	500	1.26	2.30	33	-33.4	27
3/21/2012	1900	2.46	3.80	33.1	3.1	19.6
1/25/2011	1800	1.97	3.10	33.3	-5.4	7
1/10/2011	1300	0.88	1.70	33.4	-14	10
2/1/2011	1500	2.23	3.90	33.4	-26.3	10
3/1/2012	1400	4.73	10.40	33.4	-3.6	8.5
20100208	0	1.02	2.20	33.5	-8.7	5

20100308	400	1.38	2.50	33.5	-2.4	10
20100315	1200	1.47	3.40	33.7	3.8	18
1/1/2012	1100	4.89	7.00	33.7	-2.4	
2/19/2012	1400	3.34	6.40	33.7	-0.9	10.9
20100220	400	1.66	2.70	33.9	-10.5	12
20100309	700	2.73	4.00	33.9	-4	17
20100113	1700	1.55	4.40	34.2	-5.1	10
20100127	1500	4.42	6.00	34.2	-1.2	10
20100207	900	3.10	4.40	34.4	-5.6	7
20100127	1300	4.75	6.80	34.5	-0.7	11
20100110	1200	2.14	4.90	34.6	-8.1	27
1/7/2011	1500	4.52	7.70	34.6	-1.4	13
20100217	1500	4.65	6.60	34.8	-0.8	14
1/25/2011	1900	1.64	2.70	34.8	-5.5	11
20100127	1400	4.95	6.70	34.9	-0.9	10
1/31/2011	1300	3.44	5.70	35.3	-14.1	21
1/12/2011	200	2.29	3.50	35.4	-23.8	10
20100109	700	0.89	2.00	35.5	-21.3	20
1/29/2011	1100	5.01	6.90	35.8	2.6	23
2/3/2012	700	5.81	10.30	35.8	-6.8	18.7
1/10/2012	800	0.83	2.90	35.9	-3.8	11.9
20100113	1400	3.92	5.60	36.3	1.5	23
20100323	1600	6.19	10.60	36.3	-3.5	5
1/19/2011	1300	4.90	8.30	36.3	-6.5	25
2/24/2011	2000	2.23	3.90	36.3	-6.6	25
20100219	1600	1.27	1.80	36.6	-7.6	10
1/25/2011	1500	2.14	3.00	36.6	-4.2	26
3/12/2011	1000	1.93	4.20	36.6	3.9	9
1/3/2011	1500	4.13	6.60	37.2	-9.9	9
2/10/2011	1200	2.77	4.00	37.4	-6.3	16
20100113	1600	3.39	5.00	37.6	-2.8	21
3/1/2012	1300	6.33	10.10	37.6	-3.8	10.4
20100323	1800	5.81	9.10	37.7	-4.5	5
20100223	1200	0.78	1.80	38	-1.8	10
1/1/2012	1500	2.94	5.20	38	-0.9	
1/6/2012	1600	3.53	6.10	38	0.6	20.7
20100207	600	2.33	3.20	38.1	-6.9	8

2/3/2011	1300	1.17	2.90	38.1	-10.2	13
2/10/2011	1300	1.45	3.50	38.1	-5.7	27
1/27/2011	1400	1.69	3.30	38.2	2.1	16
20100330	2300	6.39	12.00	38.3	2.5	83
1/1/2012	1800	1.96	3.60	38.5	-5.3	
20100111	200	0.89	1.60	38.6	-20.7	22
20100316	1800	1.39	2.60	38.6	3.1	27
1/9/2011	1400	6.97	9.90	38.6	-10.4	15
20100319	1300	7.72	11.40	38.7	-7.2	7
3/1/2011	0	1.12	3.80	38.8	1.3	16
20100331	100	6.22	10.60	39.1	0.5	16
2/2/2012	2200	7.29	12.60	39.1	-4.9	81.6
2/13/2012	1000	1.53	2.60	39.1	-3.5	7.7
20100314	500	3.40	8.70	39.2	-2	14
2/2/2012	1400	8.59	13.80	39.2	-0.3	23.2
20100319	900	7.09	11.90	39.3	-6.1	8
20100319	1000	7.84	12.30	39.4	-5.9	9
3/12/2011	2200	3.42	6.80	39.4	-0.7	18
2/24/2011	1700	4.36	6.70	39.6	-5.3	33
20100128	1800	1.92	2.80	39.7	-5.8	10
20100331	800	3.85	6.60	39.7	0.3	17
3/21/2012	300	2.72	4.80	39.7	-5.5	11.1
3/2/2012	900	1.90	7.20	40	-8.5	9.7
20100314	400	1.44	2.60	40.1	-1.8	16
20100315	1600	1.61	3.20	40.1	4.5	15
20100211	1000	2.58	4.80	40.4	-5.3	16
20100305	400	2.55	7.10	40.4	-3.9	16
3/21/2012	700	1.14	2.40	40.5	-0.3	34.2
1/9/2011	1700	6.06	10.50	40.6	-12	21
20100319	1100	8.05	12.20	40.8	-6.2	11
2/3/2012	900	5.62	11.30	40.9	-6.1	19.5
20100131	500	1.26	2.50	41	-13.7	17
20100218	500	1.33	1.80	41	-5	13
20100302	1700	2.93	5.40	41	0.2	29
20100319	1500	6.83	10.50	41.3	-6.9	11
1/7/2011	1600	3.64	5.60	41.3	-3.7	11
1/9/2011	800	4.63	6.50	41.3	-7.6	33

2/2/2012	1500	6.46	14.20	41.3	-2.5	22.2
20100319	700	4.50	7.20	41.4	-6.3	6
2/2/2011	1400	1.10	5.70	41.5	-18.7	14
3/13/2011	1000	1.64	2.70	41.5	1.1	35
2/13/2012	1500	1.71	4.10	41.7	-2.3	5.4
20100216	1500	1.06	2.30	41.9	-2	11
20100106	2100	1.93	3.30	42	-23.8	8
20100220	500	2.18	2.80	42	-10.6	10
20100228	1900	1.76	3.10	42.1	-1.3	12
1/8/2012	1700	3.87	5.70	42.1	-6.7	22
2/3/2012	200	7.32	11.80	42.1	-5.8	15
2/12/2012	1200	2.53	4.60	42.2	0.9	10.1
20100319	1400	7.26	10.60	42.5	-6.6	7
20100220	0	2.83	4.00	42.6	-11.8	11
20100327	100	1.82	2.90	42.6	-5.9	7
20100331	200	5.57	10.80	42.8	-0.4	8
20100309	600	1.36	3.20	42.9	-5.8	27
1/9/2012	1700	2.75	4.70	42.9	-3.3	51.5
20100131	600	0.93	2.90	43	-14.4	15
20100319	1600	6.35	8.70	43.1	-7.6	10
2/3/2011	600	1.06	2.30	43.2	-24.7	10
1/29/2011	1400	4.03	8.40	43.4	3.1	8
1/9/2011	1100	3.63	6.30	43.5	-8	29
1/9/2011	1600	6.41	10.50	43.5	-11.1	20
1/6/2012	1000	3.52	7.50	43.6	3.5	7.8
2/2/2012	1100	7.28	11.90	43.6	1.3	14.4
2/10/2011	1600	3.18	6.30	43.7	-9.1	15
2/27/2012	2200	1.95	4.20	43.8	-3.6	23.6
20100308	600	1.50	3.90	44.1	-3.6	10
20100323	100	2.38	4.40	44.1	-1.3	5
20100319	1700	5.96	8.80	44.5	-8.1	7
20100312	1600	3.80	7.00	44.7	2.3	18
20100314	1900	2.13	3.30	44.7	-3	14
1/3/2012	200	2.52	7.50	44.7	5.5	
20100312	1700	2.70	4.10	44.9	0.9	27
1/27/2011	1600	1.48	3.50	44.9	0.1	9
20100218	1800	2.28	4.10	45.1	-7.3	6

20100312	1100	2.94	5.40	45.2	1.6	12
2/1/2011	1700	1.04	1.80	45.3	-29.1	8
2/2/2012	0	1.75	3.40	45.3	-7.1	19.7
20100319	800	5.65	9.30	45.4	-6.2	9
20100214	700	1.69	4.80	45.6	-15.7	9
3/13/2011	1800	2.54	4.30	45.7	-1.6	10
3/29/2012	200	2.72	4.70	45.8	0.2	12.4
20100323	1500	6.37	10.80	45.9	-2.8	3
2/2/2012	2300	8.11	12.20	45.9	-5.1	19.8
20100109	500	2.18	4.20	46.1	-18.7	13
1/25/2011	2100	0.88	2.00	46.1	-5.7	11
20100323	1900	4.12	8.40	46.3	-4.9	8
2/26/2011	800	2.03	4.20	46.4	-4.1	8
1/12/2011	100	1.15	2.70	46.5	-24.4	32
20100127	1100	2.22	4.50	46.6	-1.2	20
20100319	1800	4.27	7.00	46.6	-8.6	9
1/3/2011	2000	1.03	3.20	46.6	-18.5	8
1/9/2011	1800	5.72	8.90	46.9	-13.1	25
1/7/2012	1800	2.01	4.30	46.9	-7.3	15.6
3/29/2012	100	2.88	4.80	47.1	1.1	27.1
20100228	400	1.91	4.50	47.2	-4.3	12
20100331	600	3.93	6.70	47.2	-3.4	22
1/25/2011	1700	1.60	2.40	47.4	-5.1	8
3/11/2011	200	3.87	13.30	47.6	4.3	11
20100319	500	5.08	7.80	48.5	-6.4	6
2/27/2011	1200	3.63	8.10	48.6	-1	30
1/9/2011	2100	3.40	6.50	48.7	-15.6	16
3/24/2012	200	0.77	2.10	48.7	-0.3	9.4
2/4/2011	1500	0.63	1.60	49.2	-4.1	16
2/11/2011	1000	1.82	3.10	49.4	-6	48
20100331	0	5.31	8.60	49.5	1.4	29
20100204	600	1.57	3.10	49.6	-5.5	10
1/24/2011	800	1.21	2.60	49.6	-10.2	10
1/9/2011	1500	5.55	8.20	49.8	-10.3	57
3/8/2011	400	3.47	8.70	49.8	-7.7	12
2/1/2011	300	1.81	3.70	50	-31	9
20100314	1300	4.21	7.20	50.2	0.9	10

20100206	1700	2.18	4.50	50.4	-1.6	15
3/10/2012	2000	1.72	4.00	50.4	5.8	21.7
1/9/2011	900	4.94	6.70	50.5	-7.9	26
2/4/2011	0	0.92	2.50	50.6	-23.2	11
20100222	600	0.89	1.50	50.7	-18.9	12
3/12/2011	900	1.08	2.60	51.1	3.5	37
20100103	300	1.98	2.80	51.3	-5.4	-18
20100220	700	0.92	1.80	51.8	-10.9	14
1/29/2011	1300	4.16	6.40	51.8	3.1	15
1/9/2011	2000	2.89	5.20	51.9	-16.3	5
20100126	600	2.50	5.90	52.2	-9.4	6
20100319	0	4.29	7.00	52.3	-4.6	3
3/1/2012	200	2.23	4.90	52.3	-7.2	-0.7
2/3/2012	300	9.33	15.20	52.4	-5.8	42.7
20100319	400	4.61	8.20	52.7	-6	7
1/7/2012	1700	1.93	3.70	52.7	-6.1	14.7
2/12/2012	2100	1.15	2.60	53.1	-2.1	8.2
20100314	1800	2.99	4.30	53.5	-2.6	11
2/3/2011	100	1.14	2.10	53.8	-29.6	5
1/9/2011	1000	4.54	6.60	54.2	-8.1	26
1/25/2011	1600	1.83	2.90	54.4	-4.5	13
20100127	1600	3.22	4.60	54.5	-2.3	16
1/24/2012	1800	1.87	2.90	54.5	-9.6	14.7
2/2/2012	100	1.19	2.30	54.5	-6.9	23.9
1/1/2012	1600	2.88	5.10	54.6	-2.4	
2/3/2012	100	8.96	14.30	54.7	-5.5	71.5
3/29/2012	400	2.47	4.20	55.3	0	10.6
1/29/2011	1500	3.12	6.30	55.8	3.2	8
20100109	1600	0.64	1.70	56	-13	23
20100222	300	1.05	2.20	56.5	-21.3	8
2/2/2011	1600	1.89	3.40	56.9	-21.8	15
2/3/2012	0	9.24	15.30	56.9	-5.3	38.1
3/7/2012	100	3.52	8.80	57.3	-1.2	19.2
20100205	1100	2.37	3.80	57.4	-2.9	6
3/20/2012	1900	1.58	3.90	57.4	-0.7	30.1
20100125	900	2.38	4.40	57.9	-8.5	16
20100129	1700	3.63	5.10	58.3	-5.5	21

1/2/2012	100	0.87	2.30	58.3	-13.7	
2/17/2012	500	1.52	4.40	58.5	-9.4	3.6
1/7/2011	1700	2.57	3.80	58.6	-5.5	4
20100215	1600	2.96	4.00	58.7	-5.9	12
20100319	300	3.86	11.20	59	-5.5	5
20100204	300	2.63	5.10	59.1	-2.8	4
20100323	0	4.00	5.80	59.1	-1	7
2/13/2012	1700	0.58	1.80	59.2	-8.9	19.5
3/13/2011	1900	1.76	3.20	59.5	-3.2	15
3/7/2012	1300	1.65	4.30	59.9	-1.5	10.2
20100205	900	2.01	3.40	60	-4.7	10
3/13/2011	1200	0.56	1.90	61	4.4	5
1/9/2011	1900	3.71	6.20	61.1	-15	10
20100226	300	0.66	2.00	61.3	-16.5	9
2/9/2012	0	1.37	4.00	61.3	-5	5.7
3/18/2011	500	1.57	2.90	61.7	-7.1	8
20100319	100	4.79	9.60	62.1	-4.8	2
20100318	1400	7.77	11.10	62.2	4	26
3/11/2011	1800	1.55	4.00	62.4	1	76
3/13/2011	300	1.99	3.30	62.5	-2.2	0
2/13/2012	1200	3.69	5.10	62.6	-3	4.4
20100206	2200	1.18	2.80	62.7	-8.6	11
2/10/2012	1600	1.96	3.20	63.1	-3.2	9.4
20100302	1100	1.79	3.70	63.4	2.1	2
20100306	1800	1.69	2.70	63.4	-2.4	18
1/7/2012	1600	2.91	5.70	63.4	-3.6	16.1
3/10/2012	1000	1.35	4.30	63.5	9.8	16.5
20100308	300	2.06	4.10	63.6	-1.5	7
20100303	1700	2.65	4.00	63.7	2.3	44
20100116	1800	1.53	3.30	63.8	-1.1	40
20100108	600	1.49	3.00	64	-33	41
2/4/2011	1600	0.62	1.20	65.4	-3.7	17
2/16/2012	100	1.41	2.90	65.4	-12.8	4.2
20100228	1800	2.70	4.70	65.5	-0.8	12
1/1/2012	2100	1.47	2.80	65.5	-11.1	
20100317	1700	1.21	2.50	65.9	7.6	44
2/28/2012	500	1.77	5.50	65.9	-6.1	26.4

20100217	1900	2.35	3.80	66	-2.2	14
2/12/2012	1900	2.19	4.50	66.3	-2.1	3.7
2/13/2012	1600	0.98	2.20	66.4	-3.2	11.9
20100319	200	2.73	8.40	66.6	-5.3	6
2/15/2012	800	1.18	2.60	66.6	-16.5	37.7
1/27/2012	1800	2.19	4.80	66.9	-15.4	11.3
20100216	1400	1.27	2.70	67.1	-2.3	14
20100209	1500	2.33	3.60	67.4	-4.9	14
20100314	1700	3.69	5.60	67.4	-1.9	13
20100301	1900	1.05	6.20	67.8	-5.3	14
20100217	1600	3.25	5.00	68	-0.9	16
1/12/2011	0	0.50	1.40	68	-23.1	4
20100103	1100	0.46	1.50	68.2	-2.8	6
20100327	1900	1.03	2.60	68.3	-3.3	15
20100323	1400	9.11	17.00	68.6	-2.5	9
2/7/2011	2200	5.77	11.50	69.1	-15.7	29
20100219	2300	2.27	4.80	69.4	-11.4	18
20100218	1300	6.29	8.90	69.5	-4	13
3/12/2011	1400	1.66	4.90	69.5	2.4	23
2/26/2012	1900	1.77	3.70	69.6	-8.8	14.8
20100307	1900	2.18	4.40	69.8	1.5	19
20100217	2000	1.58	2.80	69.9	-2.6	13
20100314	1500	5.74	7.60	70	-1	13
20100312	600	2.69	4.80	70.1	-10.1	17
20100205	800	2.24	3.70	70.7	-7.6	14
20100218	1400	6.34	9.20	71.6	-4.9	19
3/12/2011	1900	2.36	4.60	71.6	0.2	21
2/13/2012	1100	2.36	4.20	71.6	-3.2	9.9
20100218	1700	3.90	6.50	71.9	-6.9	7
20100314	1600	4.32	6.50	72	-1.4	13
1/1/2012	1700	1.92	2.80	72.2	-4	
1/31/2011	1200	2.03	4.60	72.5	-14.3	38
20100307	2000	1.72	3.50	73.1	0.4	16
1/1/2012	1900	1.20	2.30	73.1	-6.9	
20100227	1400	3.44	5.30	73.2	1.1	14
1/6/2012	1700	3.24	5.40	73.9	-1.6	26.4
20100318	2300	5.41	10.10	74	-4.1	6

20100222	800	1.11	2.50	74.2	-15.9	10
2/3/2011	500	0.39	1.10	74.8	-26.7	6
20100218	1500	5.71	8.40	75.1	-5.4	13
20100218	1600	4.66	7.20	75.2	-5.9	8
3/3/2011	2200	2.09	3.20	75.2	-2	22
3/21/2012	800	0.67	2.10	75.2	2.7	24.8
20100312	1000	2.57	4.80	75.5	-0.1	10
20100314	600	5.40	9.00	75.9	-2.7	14
20100125	800	1.43	3.30	76.3	-10.3	16
20100217	1700	3.52	5.30	76.3	-1.5	16
20100314	1400	6.39	8.70	76.3	-0.6	15
1/3/2011	1600	2.32	4.20	76.7	-10.9	7
2/3/2011	1500	1.98	3.60	76.7	-9.7	4
3/10/2012	1900	1.96	4.20	77	3.8	17.5
2/15/2012	300	1.26	2.70	77.4	-17.5	5.1
3/7/2012	0	2.31	6.00	77.4	1	45.5
1/7/2011	1800	2.34	4.60	77.6	-5.9	5
3/10/2012	1300	2.73	8.30	77.8	13.6	10.1
20100119	500	1.63	5.00	78.1	-10.6	14
2/20/2011	100	2.61	8.00	78.2	-1	17
3/22/2012	900	0.78	2.40	79.2	7.6	19.4
20100318	1600	7.77	12.00	79.5	1.8	28
20100108	800	0.33	1.00	79.8	-29.8	39
1/25/2011	2000	0.79	1.60	80.6	-5.6	8
2/11/2012	900	1.19	2.40	81	-7.5	39
1/25/2011	1200	1.42	3.90	81.3	-5.3	34
20100318	1500	7.99	12.20	81.6	2.5	28
20100226	1100	0.33	1.10	81.8	0.1	2
2/8/2011	500	2.87	5.40	82.3	-18.7	8
20100318	1900	8.91	16.70	82.4	-2.2	20
20100215	1300	3.03	4.70	82.8	-3.9	5
20100318	1800	8.06	13.10	82.8	-0.3	22
20100318	2200	7.52	13.10	83.1	-3.8	33
20100314	700	5.85	10.60	83.2	-2.1	14
20100205	600	1.71	3.50	83.7	-8.7	10
3/19/2012	2000	1.62	4.90	83.7	-6.2	23.8
2/3/2011	1800	1.19	2.70	83.8	-16.4	11

3/6/2012	2300	6.33	11.00	83.8	0.6	35.3
2/1/2012	500	1.94	3.10	83.9	-6.5	22
2/28/2012	300	1.13	2.50	83.9	-6.9	16.8
20100222	700	1.52	2.50	84	-17.5	14
2/8/2011	1400	5.65	8.40	84.1	-17.3	18
20100129	400	0.84	2.10	84.5	-10.4	8
20100104	300	0.70	1.50	84.8	-20.8	4
1/24/2012	1900	1.13	2.40	84.9	-12.3	5.1
1/14/2012	2000	2.68	7.70	85	1.5	19.5
20100217	1800	2.88	4.50	85.4	-1.9	13
1/2/2012	0	1.16	2.10	85.5	-12.8	
20100130	900	0.78	2.20	86	-10.2	36
3/24/2012	700	1.04	2.50	86	3.8	37.3
20100220	800	2.48	6.40	86.1	-9.9	14
20100206	2300	1.11	3.10	86.2	-9.8	11
20100318	2000	8.56	14.30	86.2	-3.2	13
1/3/2011	1700	2.16	4.30	86.5	-12.6	5
20100206	1800	1.71	3.60	86.9	-3.1	13
1/24/2011	1700	2.25	5.30	86.9	-8.8	11
1/24/2012	0	2.22	3.70	86.9	-2.8	21
20100323	1100	8.60	14.50	87.3	-0.6	14
2/7/2011	2000	8.17	12.50	87.7	-11.7	15
1/3/2011	1900	1.51	2.70	87.8	-18	10
2/16/2011	300	2.08	3.30	88.2	-0.6	22
2/8/2011	1300	6.23	9.40	88.3	-16.7	29
20100216	1200	1.44	2.70	88.5	-3.1	8
3/7/2011	700	1.52	3.10	88.5	-7.5	6
2/7/2011	2100	8.06	12.60	88.7	-14.3	26
1/3/2011	1800	2.20	3.80	88.9	-13.8	10
20100131	900	1.17	3.00	89.3	-9.9	25
20100318	1700	7.08	11.40	89.5	0.8	23
20100218	1200	5.19	8.30	89.6	-3.2	7
3/18/2011	400	1.82	3.20	89.6	-6.2	14
1/1/2012	2300	1.07	2.50	89.7	-13.2	
2/8/2011	1500	4.86	7.60	89.8	-17.5	9
2/3/2011	1400	1.62	3.00	90.3	-10.3	17
20100318	2100	8.49	14.50	90.6	-3.4	16

20100314	1000	6.89	10.70	90.7	-1.4	11
20100218	1000	4.07	6.50	90.9	-4.2	
2/3/2011	2200	0.86	1.90	91.1	-22.4	18
20100211	900	2.03	3.70	91.2	-8	22
20100318	700	0.95	2.80	91.3	-0.7	41
3/13/2011	900	1.16	2.60	91.4	-0.8	13
20100323	500	1.23	2.50	91.6	-1.2	6
20100109	800	0.92	2.40	91.7	-20	57
20100118	700	2.12	3.40	91.7	-7.6	14
20100103	200	1.72	3.30	92.3	-5.2	9
20100314	1200	3.62	7.00	92.3	0.7	8
20100316	1900	2.35	4.00	92.7	1.7	18
1/25/2011	800	1.91	3.50	92.7	-6.8	35
20100220	2300	4.14	7.60	92.8	-10.7	9
1/31/2012	2000	1.85	2.90	93.1	-3	19.2
20100225	2100	1.03	3.00	93.2	-9.3	7
20100312	1800	2.47	3.70	93.3	-1.3	25
1/7/2012	1000	1.05	2.30	93.5	-2.6	8.2
20100103	400	1.30	2.00	93.6	-5.5	6
20100314	900	6.24	9.50	93.9	-1.7	12
2/2/2011	1300	0.52	1.60	94.2	-19.5	19
20100323	1300	7.94	15.50	94.3	-2	9
20100218	1100	4.78	7.30	94.9	-3.8	13
20100207	0	1.80	4.10	95	-11.3	6
2/10/2011	1700	1.82	3.40	95	-10.5	9
1/25/2011	1300	1.28	3.00	95.2	-4.2	29
20100115	1100	1.17	2.60	95.5	-1.6	10
20100220	100	1.84	3.30	95.5	-11.4	10
1/8/2012	1800	2.34	3.40	95.5	-8.3	17.2
20100304	600	0.98	2.20	95.6	-9.2	21
2/10/2012	700	1.04	2.50	95.6	-11.1	19.4
20100314	800	6.70	11.10	95.7	-1.9	19
20100216	1900	2.50	4.70	95.8	-8.6	14
20100312	1900	1.98	3.20	95.8	-2.7	16
20100218	600	0.80	1.80	96.4	-5.2	12
20100314	1100	5.46	9.10	96.9	-0.2	9
20100312	700	2.30	4.00	97	-7.4	17

1/30/2011	700	1.17	2.90	97	-2	13
2/8/2011	600	3.64	6.60	97	-19.2	13
20100220	2100	6.28	10.70	97.2	-10.4	7
20100220	2000	4.83	8.50	97.5	-10.3	8
20100220	2200	5.39	9.70	98.1	-10.4	10
20100323	1000	8.99	13.60	98.3	-0.5	4
20100323	1200	9.35	16.90	98.6	-1.2	29
20100303	1800	2.37	4.10	99.1	1.5	28
3/12/2011	2100	2.86	5.40	99.2	-0.5	10
3/9/2012	1800	1.98	3.20	99.4	2.7	37.5
1/29/2011	1600	1.50	3.10	99.5	1.9	8
20100129	1800	2.34	4.10	100	-6.9	14
20100220	1900	4.99	7.70	100.4	-9.8	7
3/8/2012	2200	1.70	3.30	100.4	-6	23.2
2/14/2012	1700	1.34	2.50	100.5	-4	2.4
20100120	900	1.04	2.80	100.9	-9.5	38
20100211	700	1.27	3.00	101.3	-12.4	26
20100116	1600	1.16	2.50	102	-2.2	34
2/14/2012	1200	1.35	3.90	102.2	-0.1	12.2
3/20/2012	300	1.14	2.70	102.3	-7.8	15.6
3/12/2011	100	3.52	6.90	102.4	-0.1	19
2/4/2011	1700	1.23	3.30	102.6	-3.8	16
20100205	1200	1.40	4.10	102.7	-1.5	10
20100323	700	1.41	4.90	102.9	-0.8	4
3/21/2012	400	3.36	4.80	103.1	-4.9	15.7
2/19/2011	0	1.66	4.70	103.3	-5.1	3
3/12/2011	0	3.39	7.80	104.1	-0.8	19
20100126	700	1.91	3.60	104.3	-11.8	24
20100207	100	0.98	2.40	104.3	-11.8	7
20100109	0	1.69	2.90	104.4	-21	9
2/28/2011	100	2.14	8.20	104.4	-8.3	10
20100104	400	1.13	2.50	105.1	-19.6	6
20100107	100	1.26	2.80	105.8	-32.8	17
20100111	800	1.18	2.50	106.1	-21	25
2/3/2011	2100	1.23	2.40	106.1	-21.7	6
20100220	1600	4.27	6.70	106.2	-8.3	20
3/3/2011	1300	2.43	5.10	106.7	2.9	3

20100106	2200	1.85	3.70	106.8	-26.7	4
3/24/2012	600	0.81	2.50	106.8	1.6	18.8
3/8/2012	1800	1.28	2.30	107.2	-1.6	44.2
2/8/2011	100	3.05	5.50	107.3	-17.1	30
3/4/2011	0	1.38	3.40	107.7	-2.6	8
20100114	1900	1.84	2.70	107.8	-12.2	25
3/20/2011	400	1.58	3.30	108	-3.7	32
2/26/2012	2000	1.76	4.50	108.1	-11.6	4.3
3/12/2011	1800	2.38	4.30	108.2	1.1	16
2/19/2011	200	1.71	3.50	108.3	-4.3	5
2/15/2012	500	2.03	4.20	108.4	-18.9	6
2/13/2011	2200	3.25	4.90	108.5	-3.1	14
20100205	700	1.84	2.90	108.6	-8.8	15
3/23/2011	2000	1.08	6.00	108.6	-2.9	22
1/26/2011	1200	1.50	3.20	109	-1.3	9
20100221	2200	3.09	4.80	109.1	-17.6	14
20100108	1700	1.15	2.10	109.4	-19.8	177
20100120	400	2.75	5.60	109.4	-9.9	4
20100228	300	2.29	4.40	110.1	-3.8	11
20100323	900	8.41	13.20	110.1	0.7	5
3/10/2012	2100	1.73	3.90	110.4	0.2	24.5
1/11/2012	2300	2.31	3.50	110.7	-22.2	6
3/3/2011	2300	2.22	3.40	110.8	-2.7	15
20100220	1800	5.19	8.30	110.9	-9.4	6
1/16/2012	0	3.78	12.80	110.9	-1.5	8.1
20100220	1500	4.39	7.60	111.1	-8	20
1/1/2012	2200	0.92	2.30	111.4	-12.6	
3/18/2011	300	1.92	3.00	111.8	-4.7	13
3/7/2012	500	3.22	7.90	111.8	-5.2	9
2/28/2012	600	2.65	4.80	111.9	-4.7	16.5
20100117	1800	1.78	4.20	112	-1.7	11
1/23/2011	200	1.57	3.10	112.1	-12.1	4
20100125	700	2.41	5.30	112.6	-12.7	16
2/8/2011	1600	2.94	6.20	112.9	-17.9	11
3/24/2012	1400	6.80	10.70	113.1	15.9	24.7
20100107	400	0.82	1.90	113.6	-36.7	8
2/16/2012	200	2.33	3.70	113.6	-16.1	5.8

3/19/2012	2100	1.21	2.40	113.7	-7.5	12
3/3/2011	0	2.72	11.90	113.8	3.7	-1
1/9/2012	1800	1.15	2.90	113.8	-5.8	31.2
20100129	300	1.63	2.80	114	-8.9	8
1/1/2012	2000	1.55	2.70	114.8	-9.3	
1/12/2012	0	2.44	3.80	115	-21	7.9
2/2/2012	400	0.97	1.80	115.2	-7.2	22.5
2/18/2012	1700	1.45	2.90	115.7	-4.8	10.1
20100112	1200	1.75	7.20	115.9	6.1	0
20100115	1000	0.73	2.60	116.2	-2.9	23
20100126	1200	1.47	3.10	116.2	-2.5	26
2/8/2011	900	4.21	6.40	116.4	-18.1	8
3/6/2012	2200	4.45	11.90	117.1	2.6	44.7
2/8/2011	700	4.19	6.50	117.2	-19.2	10
20100220	1400	3.81	7.30	117.6	-7.9	22
3/21/2012	500	3.62	4.90	117.7	-4.8	13.4
20100226	1900	0.73	4.00	118.1	-12.5	18
3/12/2011	1500	1.47	2.70	118.1	3.3	16
2/1/2012	100	2.74	5.50	118.1	-7.7	7.3
1/26/2011	1100	0.65	1.60	118.4	-0.6	8
2/4/2012	400	1.42	2.70	119.1	-12.7	0.9
1/12/2012	200	4.13	6.40	119.2	-17.6	6.3
1/10/2012	700	1.71	3.50	119.4	-10.2	10.7
3/25/2011	2000	2.06	4.60	119.6	-3.4	13
2/8/2011	1000	4.89	7.00	119.7	-17.4	20
3/3/2011	2100	1.83	3.50	120	-1.5	3
20100128	1900	1.64	2.70	120.2	-6.1	10
3/17/2012	2100	1.25	2.40	120.2	4.9	4.8
3/21/2012	600	2.84	5.00	120.6	-3.6	17.4
3/22/2012	1900	0.72	1.60	120.6	4.8	45.3
2/10/2012	2200	4.32	8.30	120.7	-7.3	25.9
20100120	500	2.62	5.10	120.8	-10.4	7
1/8/2012	2100	1.89	3.00	121.1	-10.4	12.5
2/8/2011	1200	5.05	8.60	121.4	-15.3	37
3/17/2012	2200	2.21	4.60	121.8	3.2	9.4
2/18/2011	800	1.33	2.20	122	-4.9	7
3/16/2012	400	2.01	4.20	122.1	0.4	6.6

1/19/2011	1900	0.77	2.00	122.3	-12.5	25
2/18/2011	400	1.46	2.50	122.3	-8.2	6
1/12/2012	500	1.36	2.40	122.3	-16.9	12.4
2/8/2011	1100	4.20	6.10	122.6	-16.3	27
20100323	800	5.63	11.30	122.7	0.3	5
20100103	2200	1.20	2.40	122.8	-15.7	4
20100220	1700	3.37	6.40	122.8	-9.3	14
3/29/2012	600	2.11	4.20	123.2	-0.5	22.7
2/10/2012	1700	3.06	7.00	123.3	-4.2	11.1
1/6/2012	1800	3.10	5.70	123.4	-4.8	27
2/1/2011	600	1.74	3.40	123.6	-33.5	6
3/25/2011	1800	1.44	3.00	123.6	-0.8	17
20100217	300	0.59	1.60	123.7	-9.9	13
3/24/2012	1500	7.81	12.70	123.7	15.8	21.3
2/7/2011	2300	4.94	7.60	123.8	-14.8	35
2/28/2012	200	0.74	2.00	123.8	-6.4	31.6
2/18/2011	2300	2.73	4.50	124.1	-4.1	4
1/12/2012	100	3.60	5.60	124.1	-20.8	7.3
3/26/2011	2000	3.43	8.80	124.2	0.1	22
3/24/2012	1600	8.44	13.50	124.4	14.3	20.5
20100109	100	1.05	3.20	125	-14.6	9
2/26/2011	900	2.61	4.30	125.1	-3.7	10
3/13/2011	700	1.05	1.80	125.1	-6.2	14
1/3/2011	2100	1.10	2.80	125.2	-20.2	6
3/2/2012	800	0.96	1.90	125.2	-10.9	10.5
3/9/2012	1900	2.14	3.70	125.2	-0.7	18.1
20100203	500	3.21	6.00	125.4	-10.8	8
20100114	300	1.49	3.10	125.5	-16.9	7
20100117	600	3.18	8.40	125.5	-3.4	7
2/5/2012	400	0.68	1.80	125.9	-14	5.3
2/10/2012	2300	5.37	10.50	125.9	-9.1	39.1
20100216	1800	2.64	4.10	126	-10.2	16
2/14/2012	2200	2.20	3.60	126.1	-14.6	4.4
20100221	500	0.60	1.30	126.2	-18.1	12
3/11/2011	2300	3.47	5.50	126.3	-1.8	19
20100122	0	0.96	2.40	126.8	-6.7	18
20100110	2200	0.58	1.70	127.4	-19.3	17

1/3/2012	2000	2.33	5.20	127.4	-5.8	
20100104	500	1.69	3.00	127.6	-18	6
2/14/2012	1800	0.94	1.90	127.7	-6.5	6
20100130	200	0.63	1.90	127.8	-16.3	18
20100120	1700	0.70	2.00	127.9	-6.4	21
3/22/2012	0	2.14	3.80	127.9	-3.7	10.6
1/27/2012	1900	2.16	3.90	128	-18.7	14.3
20100215	2000	0.47	2.30	128.1	-17.5	14
20100315	1700	1.18	2.80	128.3	3.7	23
1/3/2012	1900	2.04	4.80	128.3	-3.3	
3/24/2012	1700	8.25	12.60	128.3	12.6	18.7
20100304	1800	4.75	7.40	128.4	2.1	20
20100220	200	1.04	2.30	128.5	-10.4	8
20100331	2300	4.55	8.40	128.6	2.7	26
20100107	700	0.49	1.60	128.7	-38.4	13
1/3/2012	2200	3.04	5.10	128.8	-6.4	
1/9/2012	100	3.04	4.80	128.9	-9.7	7.2
20100111	2100	1.21	3.10	129	-19.2	41
20100120	1600	1.92	3.00	129	-3.6	12
20100315	1900	0.84	2.30	129	-2.8	23
2/8/2012	100	1.76	5.40	129	-13.9	9.5
20100104	200	1.03	2.10	129.1	-20.7	7
2/19/2012	400	1.71	4.30	129.1	-15.9	6.8
20100118	600	1.97	4.50	129.4	-9.4	24
3/2/2011	2300	2.31	6.80	129.4	3.7	23
20100116	2100	1.74	3.60	129.5	-1.2	13
20100221	2100	3.63	5.80	129.6	-15.5	10
20100211	600	1.75	3.50	129.7	-11.8	13
20100113	2300	1.34	2.60	129.9	-14.7	34
1/26/2012	500	2.48	4.00	130.2	-4.9	8.8
20100221	0	2.85	6.30	130.5	-11.1	10
2/8/2011	400	3.67	7.50	130.6	-17.8	7
20100120	600	1.65	4.60	130.7	-11	18
3/2/2012	500	1.62	2.80	130.8	-15.3	6.2
20100304	1500	6.15	9.70	131	5.5	16
3/12/2011	1600	2.41	4.00	131	3.3	19
3/6/2012	2100	2.54	3.80	131	0.7	6.4

20100115	1300	0.92	2.90	131.4	0.2	12
20100220	1300	1.81	4.90	131.4	-7.7	28
3/9/2012	2200	1.10	2.20	131.5	-5	23.7
20100103	700	1.64	2.40	131.6	-6	7
20100205	1600	1.64	3.60	131.6	0	12
1/12/2012	300	2.25	3.90	131.6	-18.8	5.4
1/12/2011	800	1.41	3.60	131.7	-13.7	10
20100228	700	1.48	2.50	131.8	-5.4	15
3/27/2012	2000	1.32	3.60	132.1	5.8	23.6
3/2/2011	700	1.62	3.70	132.2	-1.4	4
3/13/2011	800	0.87	2.00	132.2	-4.5	1
20100116	1900	2.04	5.00	132.3	-2.4	10
20100118	800	2.05	5.20	132.7	-8.8	18
2/18/2011	100	1.74	6.50	132.7	-8	6
2/14/2012	2100	1.23	3.00	132.7	-12.5	6
20100112	900	2.38	3.50	132.8	-1.6	19
3/22/2012	600	1.28	2.80	132.8	-4.5	36.9
20100118	2200	2.38	4.40	132.9	-6	6
20100329	1900	2.11	6.30	132.9	7.9	16
3/2/2011	800	1.58	8.30	132.9	2.1	22
20100204	1800	0.99	3.30	133.1	-6.3	11
3/24/2012	1800	7.97	12.50	133.1	11.2	22.8
20100130	400	0.87	2.20	133.2	-16.2	28
1/9/2012	2100	2.00	4.20	133.2	-9.4	4.4
20100317	1900	2.67	3.90	133.4	2.2	27
2/1/2011	1800	1.91	3.00	133.6	-32.5	8
2/8/2011	0	5.05	8.40	133.6	-16.1	40
2/8/2011	800	3.51	5.10	133.7	-18.7	12
20100220	1200	5.05	8.80	134	-7.2	7
3/11/2012	200	1.03	2.40	134.3	-4.7	15
3/20/2011	0	3.22	5.00	134.6	0.5	41
1/24/2012	2100	1.88	3.90	134.6	-14.3	7.6
20100304	100	1.12	2.60	134.7	-7.5	13
20100316	400	2.56	3.30	134.7	-5.3	10
20100225	2300	1.41	2.80	134.9	-11.5	8
2/14/2012	2300	2.47	3.30	134.9	-16.6	8.2
20100112	1000	2.77	4.20	135	-0.9	11

20100304	1400	5.97	8.50	135	5.4	16
20100215	1200	2.57	3.40	135.1	-5.2	7
20100313	900	2.79	4.30	135.1	2.2	8
20100226	1600	2.05	3.20	135.4	-3	12
2/4/2012	1800	1.19	2.00	135.5	-9.7	14.5
1/23/2012	2200	1.04	2.70	135.8	-6.4	16
20100121	600	2.20	5.40	136.1	-7.5	9
2/18/2012	400	1.61	3.60	136.1	-14.4	2.2
3/13/2011	600	1.29	2.10	136.3	-3.6	6
2/26/2012	2100	2.03	3.60	136.3	-13.2	1.6
20100104	600	1.90	2.80	136.5	-17.7	4
20100130	2100	1.61	2.50	136.6	-13.2	21
2/4/2012	500	1.03	2.00	136.6	-14.9	6.5
2/12/2012	400	0.81	1.50	136.8	-13.6	14.8
3/11/2012	800	0.89	2.20	136.9	1.3	10.4
3/24/2012	1900	8.97	13.70	137	9.8	30.8
3/11/2012	500	1.87	3.30	137.1	-5.6	11.4
3/2/2011	600	2.45	4.20	137.3	-4.2	7
1/23/2012	1800	1.49	3.20	137.4	-3.5	10.9
3/10/2012	0	0.47	1.60	137.4	-6.6	14.5
3/17/2012	600	2.49	3.40	137.5	4.8	18.2
20100206	800	1.92	4.80	137.8	-1.7	13
20100217	700	1.64	2.70	137.9	-9.7	42
1/9/2012	200	3.31	4.40	138	-10.1	8.7
20100203	100	3.01	4.80	138.2	-10	8
2/2/2011	2200	2.05	3.50	138.2	-29.9	9
20100117	1600	2.05	7.00	138.4	-1.1	29
20100118	2300	2.20	3.70	138.5	-9.8	8
20100302	800	3.05	4.40	138.5	-6.2	11
2/27/2012	1700	4.93	7.20	138.6	-0.1	16.1
20100114	2000	1.63	4.00	138.7	-15.7	15
2/4/2012	700	1.66	2.40	138.7	-18.2	10.5
20100221	2000	4.00	5.80	138.9	-14.7	9
20100318	500	1.90	3.20	139.1	-0.7	25
20100103	100	2.00	3.20	139.2	-5.2	6
20100304	1700	4.47	6.60	139.4	3	22
20100307	2100	3.39	5.40	139.5	-0.3	9

2/18/2011	2200	2.72	5.00	139.5	-3.3	30
2/27/2012	1800	5.76	8.90	139.5	-1	20.4
2/11/2012	0	7.38	11.10	139.6	-10.7	39.7
20100103	500	1.60	2.10	139.8	-6	5
20100314	100	5.58	9.60	139.9	1.2	12
20100118	500	2.44	3.90	140.2	-8.7	16
1/12/2011	300	1.74	3.10	140.2	-22.8	11
20100211	2000	2.10	3.40	140.4	-10.3	15
1/9/2012	300	3.34	4.30	140.4	-10.2	6.3
3/25/2012	1900	6.74	10.10	140.4	13.1	20.2
20100313	1000	2.32	4.80	140.5	4.6	5
3/17/2012	500	1.61	3.50	140.5	3.6	12.6
20100302	700	3.14	4.10	140.6	-8.9	12
3/25/2012	1800	6.21	9.30	140.8	13.6	21.7
20100203	600	1.57	3.40	141	-11.4	11
20100214	2100	1.98	3.40	141	-25.2	8
3/18/2011	600	1.66	2.90	141	-6.8	14
20100216	500	0.81	1.50	141.1	-21.3	14
3/24/2012	2000	9.64	14.50	141.1	8.9	26.8
20100309	2200	1.39	2.30	141.6	-6.2	12
1/31/2011	1100	2.59	3.70	141.6	-15	24
2/19/2011	400	2.09	3.80	141.6	-5.4	3
1/8/2012	300	1.18	3.60	141.6	-16.4	7.2
2/18/2011	300	2.66	4.50	141.7	-8	4
3/11/2012	700	1.66	2.90	141.7	-3	13.2
20100119	800	2.16	3.50	141.8	-3.2	34
2/5/2012	500	0.65	1.60	141.8	-12.7	14.5
3/22/2012	2000	2.27	4.80	141.8	1.6	19.3
3/23/2012	300	3.29	4.40	141.9	-1.8	5
20100103	800	1.64	2.50	142.2	-6	7
20100121	1000	3.57	9.00	142.2	-3.4	26
20100104	700	2.60	3.10	142.3	-16.3	8
20100118	2100	2.24	4.50	142.3	-4.9	7
20100129	600	0.79	1.80	142.3	-12.7	2
20100215	500	2.82	4.20	142.3	-24.3	9
20100325	400	3.29	4.70	142.3	-7.6	9
1/2/2012	400	1.17	2.50	142.3	-13.7	

3/23/2012	200	2.83	4.40	142.3	-1.8	7.1
20100115	1800	1.58	4.50	142.4	-12.3	17
20100312	2100	1.80	3.00	142.4	-5.8	13
20100318	1100	1.29	2.80	142.4	8.7	1
20100113	1800	1.08	2.10	142.5	-8.5	13
3/19/2011	2300	3.28	5.20	142.5	1.3	41
2/15/2012	700	1.70	3.70	142.5	-19.9	28.4
20100307	1500	5.59	8.50	142.7	6.7	11
1/7/2012	2100	1.34	2.40	142.7	-12.7	24
1/8/2012	2000	2.32	3.50	142.7	-10.4	8.4
20100304	1900	7.07	10.90	142.8	1.8	17
20100316	500	3.08	3.90	142.8	-5.4	19
2/10/2012	2100	7.47	12.70	142.8	-7.8	16.4
20100103	1000	0.88	2.10	142.9	-3.8	7
1/7/2012	2300	1.33	3.00	142.9	-15.4	10.2
20100223	400	2.87	4.40	143.1	-18.4	9
20100314	0	7.74	11.50	143.1	0.9	12
2/4/2012	2200	1.50	2.50	143.1	-11.9	10.1
2/8/2011	2300	1.87	2.90	143.2	-30.2	14
3/25/2012	2000	7.06	9.90	143.2	11.7	27.8
20100219	1900	3.98	6.50	143.3	-11.8	11
1/6/2012	1900	4.24	6.70	143.6	-4.8	24.4
2/10/2012	1800	6.19	8.60	143.9	-5.9	13.9
2/18/2011	200	2.39	4.10	144	-8	4
20100103	600	1.63	2.10	144.1	-6	6
2/10/2012	1900	7.57	11.00	144.3	-6.4	34.5
2/13/2011	2300	2.99	4.30	144.4	-5.6	19
1/7/2012	2200	1.22	2.80	144.4	-14.8	11.5
3/15/2012	100	1.43	3.40	144.4	-0.9	15.8
20100215	1900	1.47	3.10	144.5	-16.9	18
20100219	0	0.62	2.20	144.5	-13.1	7
2/10/2011	1800	1.94	4.70	144.5	-11.3	9
2/7/2012	2300	1.89	4.00	144.5	-12.9	4.4
3/31/2012	600	1.08	2.90	144.5	3.2	17
20100317	600	1.26	2.80	144.6	-4.6	45
20100302	100	3.46	4.30	144.7	-9.9	6
2/28/2012	400	1.73	3.20	144.7	-6.7	16.2

2/19/2011	700	5.18	12.00	144.8	-3.5	6
20100211	2200	0.92	2.20	144.9	-10.5	22
3/12/2011	200	4.17	7.80	144.9	-0.3	16
20100129	2100	1.64	2.40	145	-13.9	24
1/6/2012	2000	4.73	6.80	145	-5.3	12.9
3/18/2012	1200	11.03	15.30	145.1	14	29.3
20100128	100	8.78	13.40	145.2	-6.8	8
20100108	2300	1.06	2.50	145.3	-22.4	60
20100121	0	2.22	3.80	145.3	-13.3	6
2/27/2012	1900	5.44	7.70	145.3	-1.3	24.6
3/18/2012	1400	12.87	19.40	145.3	14.7	74.4
20100304	2000	7.89	12.90	145.4	1.6	22
2/11/2012	1600	6.04	10.10	145.4	-3.3	4
2/27/2012	1600	6.53	9.60	145.4	2.2	15.2
20100203	0	2.65	4.60	145.5	-9.3	9
20100313	2200	8.39	12.30	145.5	1.2	13
20100109	400	3.61	4.80	145.6	-13.7	7
20100127	2000	5.35	9.10	145.6	-5.1	14
1/31/2012	400	4.22	7.20	145.6	-8.2	6.3
3/8/2012	2100	1.94	3.70	145.6	-6.9	17.2
3/7/2012	1200	5.15	8.70	145.7	-2.9	8.1
1/12/2012	400	0.86	2.40	145.8	-17.8	8.9
20100302	600	3.43	4.70	146	-10.4	12
20100304	1600	5.46	7.60	146	4.2	20
1/13/2011	1900	2.66	7.60	146.1	1	8
2/3/2011	800	1.00	1.80	146.1	-17.9	16
1/15/2012	2200	2.97	5.50	146.1	0.5	4.8
20100126	800	2.32	3.90	146.2	-9.1	31
20100127	1800	4.76	7.80	146.2	-3.9	14
20100202	800	2.47	4.50	146.2	-11	21
20100304	1300	5.91	9.20	146.2	5.1	18
2/19/2011	500	2.76	4.70	146.2	-6.9	8
20100219	2000	4.13	5.30	146.3	-10.9	7
2/17/2012	2300	2.50	4.40	146.3	-15.4	10.4
2/3/2011	300	1.95	5.10	146.4	-27.7	7
3/18/2012	1300	11.17	16.20	146.4	14.6	75.2
20100223	500	2.71	4.00	146.5	-17.4	11

20100313	2300	8.31	11.80	146.5	0.9	12
3/25/2012	2100	7.49	10.40	146.5	11	36.8
20100304	2100	9.80	14.90	146.7	1 1	17
20100313	200	1.82	3.50	146.7	-4.6	9
1/8/2012	1900	2.35	3.60	146.7	-11.7	15.7
2/11/2012	100	8.80	12.40	146.7	-12	112.5
3/6/2012	2000	3.01	3.80	146.7	2.2	20.3
20100302	900	2.84	3.70	146.8	-3.8	9
1/15/2012	300	4.05	8.80	146.8	0	4
20100206	1900	1.53	3.30	147	-5.6	14
20100208	2000	1.44	3.70	147	-22.3	11
20100222	2000	2.21	4.90	147	-24.4	12
2/18/2012	200	3.71	4.50	147	-17.2	4.2
2/15/2012	400	3.27	5.50	147.1	-18.3	7.8
1/10/2011	500	1.67	2.80	147.2	-23.9	4
2/11/2012	1500	7.83	11.20	147.2	-3.5	15.5
20100203	400	3.34	4.70	147.3	-11.2	6
20100313	2000	6.59	9.60	147.4	2.3	15
2/18/2011	500	1.72	3.30	147.4	-8.3	5
20100226	400	0.69	2.00	147.5	-16.6	10
20100128	0	9.17	13.50	147.7	-6.4	11
20100317	900	1.93	3.50	147.7	7.2	8
2/19/2011	600	1.78	4.90	147.7	-7.9	10
20100127	2300	7.53	11.90	147.8	-5.7	10
3/18/2012	1100	9.84	13.60	147.8	13.4	21.2
2/23/2011	1900	8.07	12.10	147.9	-2.6	15
1/3/2012	2300	4.36	6.30	147.9	-6.2	
20100214	800	1.40	2.50	148	-17.3	21
20100302	2300	1.38	3.20	148	-7.9	18
2/19/2011	1900	5.28	7.40	148.3	2.5	19
1/9/2012	400	2.87	3.90	148.3	-10.5	5.8
20100215	1000	2.77	3.80	148.4	-10.5	8
20100313	2100	7.51	11.00	148.5	1.6	15
1/8/2012	800	2.03	3.10	148.5	-10.4	13.4
3/8/2012	600	1.39	3.10	148.5	-12.5	26.4
20100302	300	3.50	5.00	148.6	-9.6	7
20100307	1400	5.38	7.80	148.6	6.6	4

20100226	1000	1.50	3.00	148.7	-5	22
3/25/2012	1700	6.11	9.10	148.8	15.1	7.7
20100215	400	3.60	5.00	148.9	-24	6
20100331	1800	8.04	11.70	148.9	5.4	33
2/6/2012	600	1.96	2.90	148.9	-16.5	32.9
20100127	1700	4.69	7.60	149	-2.9	18
20100222	2200	1.88	3.70	149	-20.2	9
20100313	1700	6.07	8.90	149	3.9	25
2/18/2011	900	1.39	3.70	149	-2.2	21
3/19/2011	2100	4.02	7.90	149.2	3.6	46
2/11/2012	200	8.53	11.40	149.2	-12.4	66
20100215	1100	3.12	4.00	149.3	-7.5	4
20100331	2200	5.51	8.70	149.3	3.8	25
3/18/2011	2000	2.75	4.50	149.3	0.3	54
1/2/2012	200	0.94	2.60	149.3	-14	
20100331	1100	6.03	12.20	149.4	8.1	40
20100331	2000	8.76	13.50	149.4	4.8	29
3/25/2012	2200	7.51	10.40	149.4	10.5	26.9
20100313	1100	2.15	5.20	149.5	6.5	7
20100325	700	2.54	3.90	149.5	-4.6	20
3/7/2011	1400	8.19	11.70	149.5	1.6	3
2/10/2012	2000	8.78	12.50	149.5	-7	32.7
20100331	1900	8.82	12.90	149.6	4.8	29
3/17/2012	2000	2.31	3.60	149.7	6.7	10
3/22/2012	2300	2.72	3.80	149.7	-2.9	12.4
3/24/2012	2100	8.89	14.80	149.7	8.1	49.4
20100118	300	3.67	5.60	149.8	-5.9	6
2/4/2011	400	2.18	3.60	150	-19.9	45
20100318	300	3.30	5.00	150.1	-1.4	7
3/27/2011	200	3.96	5.40	150.1	-3.7	16
2/7/2012	1100	2.53	5.00	150.1	-7.8	7.6
1/6/2012	2100	6.33	8.80	150.2	-5	13.9
3/19/2012	2300	1.82	3.60	150.2	-7.5	11.4
20100117	1000	3.19	4.50	150.3	-0.2	14
20100121	300	2.29	4.30	150.3	-12.8	15
2/3/2011	200	2.46	4.90	150.4	-29.9	7
3/18/2011	0	2.74	5.90	150.4	-3.7	23

3/20/2012	2000	2.79	4.40	150.5	-1.2	7.1
20100111	2300	1.72	3.40	150.6	-18.5	24
20100113	1900	1.35	2.30	150.6	-10.4	19
1/29/2011	1700	1.71	5.20	150.6	0.4	11
20100118	1000	2.65	3.90	150.7	-6.1	77
20100307	2300	2.22	3.70	150.7	-0.5	12
2/19/2011	2100	7.49	15.50	150.7	3.5	8
3/22/2012	100	1.49	2.70	150.7	-4.8	7.7
20100204	2100	1.99	3.30	150.9	-8	20
20100128	200	8.55	13.40	151	-6.6	10
20100325	300	2.88	3.70	151	-7.9	7
1/10/2011	1200	1.02	2.00	151	-15.5	11
20100119	900	1.76	2.90	151.1	-2.6	19
20100215	600	3.34	4.30	151.1	-25.4	10
20100318	200	2.81	3.80	151.1	-1.9	5
3/20/2011	1600	6.75	11.40	151.1	8.6	53
1/27/2012	2000	2.46	4.90	151.1	-20.6	7.3
20100103	2300	1.14	2.90	151.2	-18.6	3
20100109	2100	3.08	4.20	151.2	-9.9	6
3/12/2011	1700	1.72	3.50	151.3	2.3	19
3/18/2011	1400	9.23	13.40	151.3	6.3	41
2/2/2012	200	1.34	2.80	151.3	-5.7	10.3
3/18/2012	1000	9.28	14.20	151.3	13.2	12.6
3/24/2012	2200	9.90	13.90	151.3	7.6	26.8
2/19/2012	200	2.47	4.60	151.4	-14	3.3
20100302	500	3.47	4.30	151.5	-10.3	8
20100303	0	3.04	4.10	151.5	-7.7	12
20100310	600	0.63	1.70	151.5	-9.6	16
20100331	1200	8.62	15.70	151.5	7	51
3/11/2011	1900	1.78	3.60	151.5	0.3	29
1/9/2012	2200	2.63	4.40	151.5	-8.2	9.5
2/7/2012	1300	3.57	6.80	151.5	-5.3	6.2
20100107	900	0.52	1.50	151.6	-31.4	34
20100226	600	1.61	3.30	151.6	-18.4	10
2/19/2011	100	1.93	4.40	151.6	-4.3	-2
20100115	1400	2.53	3.70	151.8	-1.2	13
20100121	1600	3.93	5.80	151.9	-3.6	17

20100313	100	1.42	3.80	151.9	-4.5	14
2/16/2012	300	1.96	4.10	151.9	-16.9	6
1/24/2012	2000	1.63	2.80	152.2	-14.3	8.4
2/24/2011	2100	5.18	9.80	152.3	-7.6	5
1/7/2012	600	1.63	2.50	152.3	-3.5	8.4
20100221	1400	5.91	7.90	152.4	-10.8	8
20100313	1200	4.19	6.20	152.5	6.3	12
20100316	300	2.95	3.70	152.5	-5.6	9
20100309	2300	1.93	3.80	152.6	-8.8	10
20100316	2300	3.76	4.90	152.6	-1.6	8
2/23/2011	1700	5.82	9.40	152.6	-0.5	37
3/7/2011	1500	9.54	13.90	152.6	0.2	3
3/2/2012	100	3.35	4.70	152.6	-13.9	4.8
3/17/2012	1900	2.93	4.60	152.6	5.8	18.1
3/23/2012	0	3.09	4.40	152.6	-2	7.5
3/26/2012	800	1.65	3.50	152.6	4.4	58.7
20100117	900	2.82	5.20	152.7	-1.9	35
20100217	2100	2.54	4.20	152.7	-3.5	10
2/18/2011	700	2.30	6.10	152.7	-6.5	8
20100317	200	3.17	4.10	152.8	-3	9
2/6/2012	500	1.58	2.80	152.8	-16.4	6.4
2/11/2012	1400	8.56	10.90	152.8	-3.9	4.1
20100226	700	1.68	2.70	152.9	-14.9	16
20100313	1600	6.05	8.50	152.9	4.4	23
20100313	1800	5.68	8.30	152.9	2.5	27
20100219	2200	2.44	6.10	153	-11.9	9
20100331	1300	10.84	15.30	153	6.9	72
2/7/2012	1600	7.74	10.10	153	-8.3	5.1
2/26/2012	2300	3.19	6.30	153	-14.9	8.4
20100223	200	3.94	4.70	153.1	-21.9	8
2/8/2011	300	4.91	8.10	153.1	-17.2	17
1/6/2012	2200	6.41	8.60	153.1	-5.3	15.2
20100317	500	1.41	2.40	153.2	-3.8	23
2/2/2011	2100	1.55	2.90	153.2	-30.9	9
2/27/2012	100	9.48	12.40	153.2	-10.1	9.9
20100317	300	3.00	3.60	153.3	-3.9	11
1/10/2012	100	1.39	2.90	153.3	-12	7

3/22/2012	200	1.24	2.50	153.3	-5.7	9.9
20100121	1300	5.37	9.90	153.4	-0.5	5
20100313	1900	6.26	8.40	153.4	2.6	19
1/9/2012	700	3.34	5.00	153.5	-9.5	12.4
3/23/2012	600	2.95	5.30	153.5	0.8	30.9
20100127	2200	5.62	9.60	153.6	-5.8	12
2/19/2012	1100	2.34	5.00	153.6	0.4	8.9
2/27/2012	1000	8.10	11.40	153.6	0.7	19
3/23/2012	400	3.75	5.00	153.6	-3.6	8.3
20100216	0	1.56	2.60	153.7	-23.7	11
3/8/2012	1900	1.87	3.40	153.7	-5.2	28.1
2/9/2011	0	1.77	2.90	153.8	-32.4	6
2/23/2011	2100	10.17	15.80	153.8	-3.5	9
20100121	200	2.51	5.00	153.9	-14.1	11
20100316	900	0.63	1.70	153.9	4.5	32
1/9/2012	2000	2.21	3.90	153.9	-9.5	8.3
2/27/2012	500	11.43	16.80	153.9	-9.2	10.9
3/25/2012	1600	7.31	14.00	153.9	16.3	7.6
20100313	700	3.11	4.60	154	-4.2	22
20100316	200	2.81	3.60	154	-5.7	8
3/2/2012	200	2.82	3.60	154	-14	2
3/24/2012	2300	9.83	14.60	154	6.9	21.9
20100317	0	3.17	4.80	154.1	-2.1	8
1/20/2011	300	1.27	2.30	154.1	-12.8	10
2/1/2012	2100	2.82	3.70	154.1	-5.7	75.1
20100313	400	3.07	4.10	154.2	-6.9	10
2/7/2012	1800	6.63	9.20	154.2	-10.4	8.2
3/10/2012	800	2.07	3.90	154.2	3.4	6.5
20100302	400	3.42	4.10	154.4	-11.3	6
2/2/2011	1900	1.92	3.10	154.4	-30.4	10
2/9/2011	1000	2.54	3.80	154.4	-19.4	31
20100227	500	3.49	7.80	154.5	-6.8	7
20100307	1300	3.97	5.00	154.5	6.1	8
20100317	400	2.78	4.00	154.5	-3.6	14
2/17/2012	400	1.63	3.50	154.5	-9.2	4.1
20100112	600	1.64	3.50	154.6	-5.2	7
20100118	400	2.01	3.70	154.6	-7.3	5

3/13/2011	2000	2.64	4.50	154.6	-5.1	18
2/27/2012	400	11.72	16.30	154.6	-9.3	16.1
20100120	1500	3.07	4.40	154.7	-2.3	18
20100215	900	3.64	5.00	154.8	-15.2	13
20100227	1800	5.64	8.90	154.8	-2.6	11
20100302	1000	2.45	3.40	154.8	-1.3	5
2/27/2012	300	10.07	15.20	154.8	-9.5	5.9
20100117	1700	3.91	6.90	154.9	-3.5	16
20100313	1500	6.25	8.00	154.9	4.9	26
20100325	200	2.85	3.70	154.9	-7.8	6
20100111	900	2.24	3.50	155	-17.2	32
1/15/2012	2300	3.71	6.50	155.1	0	4.9
2/27/2012	900	9.77	14.20	155.1	-2.9	14
20100112	1100	2.57	4.00	155.2	2.3	3
20100304	2200	5.46	12.30	155.2	-0.1	9
20100331	1700	10.40	16.30	155.2	5.9	43
2/19/2011	2300	7.03	14.30	155.2	2	5
1/8/2012	400	3.25	3.90	155.2	-16.3	5.1
2/27/2012	2000	6.05	8.70	155.2	-1.1	22.7
2/3/2011	1000	0.78	2.00	155.3	-13.9	23
3/18/2011	1200	8.27	11.90	155.3	4.7	40
3/24/2012	300	1.00	2.70	155.3	1	12.8
20100110	300	3.96	5.20	155.4	-11	6
1/3/2012	2100	2.18	4.50	155.4	-7.8	
2/18/2012	100	3.21	4.40	155.4	-15.8	1.7
20100109	2000	2.75	5.10	155.5	-14.7	26
20100109	300	2.64	4.20	155.6	-17.2	13
20100202	1000	2.39	4.20	155.6	-2.5	24
3/20/2011	1700	5.12	9.30	155.6	8	36
3/25/2011	1000	7.81	11.70	155.6	4.6	23
20100224	600	2.09	4.60	155.7	-10.4	13
20100307	1600	5.96	8.80	155.7	4.7	31
2/11/2012	300	7.96	11.10	155.7	-12.4	44.6
2/1/2011	700	1.45	3.40	155.8	-34.1	5
3/19/2011	2200	3.36	6.40	155.8	3.2	43
1/8/2012	500	3.62	4.30	155.8	-15.6	6
3/23/2012	1800	4.49	7.90	155.8	14	22

3/6/2011	1600	8.43	11.80	155.9	-1.6	17
20100227	800	3.38	4.90	156	-8.3	11
2/23/2011	2000	8.86	13.10	156	-3.2	17
3/13/2011	1100	1.39	2.50	156	1.2	0
20100119	600	1.70	4.00	156.1	-9.1	101
3/18/2011	1300	8.71	12.80	156.1	5.6	41
2/7/2012	1700	6.67	9.90	156.1	-9.7	7.1
2/14/2012	1100	2.03	3.20	156.1	-2.8	6.5
2/27/2012	800	7.99	12.10	156.1	-3.8	11.8
3/16/2012	200	1.44	3.80	156.1	-2.2	7.8
2/23/2011	2200	11.23	16.30	156.2	-3.7	11
20100117	1400	2.86	4.70	156.3	2.1	22
2/27/2012	200	9.03	13.30	156.3	-10.4	4.1
20100109	1800	1.31	4.30	156.4	-17.6	100
20100122	700	5.55	10.30	156.4	-0.4	9
20100316	600	3.10	4.10	156.4	-5.3	15
2/11/2012	1700	4.26	7.10	156.4	-4.2	4
3/18/2012	900	8.45	13.30	156.4	12.5	6.3
3/24/2012	100	1.20	2.20	156.4	1.2	19.1
3/18/2012	800	6.60	9.00	156.5	11	10.6
20100112	200	4.12	5.50	156.6	-9.9	4
20100117	1300	3.00	4.00	156.6	2.5	6
20100214	2000	2.15	3.50	156.6	-25	9
20100220	1100	6.20	8.90	156.6	-7.1	3
20100227	2000	8.32	11.60	156.6	-1.4	13
20100313	300	2.83	3.50	156.6	-5.6	9
2/3/2011	0	1.65	3.90	156.6	-30.9	5
2/9/2011	1100	1.03	2.40	156.6	-14.3	10
2/11/2012	1800	3.38	6.50	156.6	-4.4	-1
3/7/2012	1100	5.33	9.00	156.6	-3.3	13.9
3/23/2012	500	3.32	4.10	156.6	-2.2	40.5
20100331	1400	11.52	15.40	156.7	7.6	85
1/2/2012	800	2.61	4.10	156.7	-3.5	
2/2/2012	600	1.39	2.90	156.7	-6.9	16.1
3/15/2012	0	2.49	4.60	156.7	-1.1	15.8
20100103	2100	1.20	2.10	156.8	-12	18
3/20/2011	1500	8.02	11.60	156.8	9.5	65

20100214	2300	3.35	4.90	156.9	-26.2	5
3/2/2012	600	2.90	4.50	156.9	-16.2	10.5
20100303	400	2.11	3.80	157	-9.4	13
2/19/2011	800	8.60	12.90	157	0.6	13
20100104	0	1.37	3.00	157.1	-17.3	7
20100301	2100	1.65	3.10	157.1	-11	15
20100310	200	2.02	2.60	157.1	-9.5	7
20100316	100	2.85	3.50	157.1	-5.5	8
20100215	300	4.21	5.40	157.2	-24.7	6
20100316	2200	2.95	4.60	157.2	-2.4	10
3/8/2012	500	1.87	2.60	157.2	-12.2	7.2
2/7/2012	1500	8.49	10.60	157.3	-6.5	12.5
2/23/2011	1800	7.48	11.50	157.4	-1.1	19
3/20/2011	2000	5.22	9.00	157.4	6.4	32
3/9/2012	400	2.97	4.20	157.5	-7.1	8.5
1/12/2011	400	2.58	3.90	157.6	-21.3	6
1/26/2011	1300	3.46	8.40	157.6	-1.1	5
1/29/2011	2300	6.16	8.80	157.7	-1.7	10
1/5/2012	200	2.52	3.90	157.7	-2.2	
2/19/2011	1400	9.12	13.50	157.8	5.2	11
3/10/2012	600	2.71	4.60	157.8	-4.7	12.2
20100215	0	4.54	5.80	157.9	-25.9	6
20100325	0	2.98	4.20	157.9	-6.9	5
1/5/2012	500	1.54	3.30	157.9	-3	
20100109	1900	1.57	3.60	158	-16.9	122
20100221	1900	5.90	9.70	158	-13.7	9
20100313	1400	6.60	8.70	158	5.8	20
20100318	400	2.19	3.20	158	-2	18
3/25/2012	0	9.28	13.30	158	6	13.4
20100129	2300	0.86	4.40	158.1	-14.3	23
20100313	500	2.09	2.90	158.1	-7.4	29
2/2/2011	2000	1.28	2.80	158.1	-30.9	8
20100226	500	1.52	2.50	158.2	-18.6	8
20100303	2300	1.39	3.90	158.2	-5.2	18
3/23/2012	100	3.89	4.50	158.2	-2.7	7.9
1/23/2012	1900	3.15	4.60	158.3	-4.8	9.7
2/7/2012	1200	3.15	5.90	158.3	-6.3	3.2

20100222	2300	3.48	4.70	158.4	-22.3	10
20100226	800	2.99	4.10	158.4	-13.1	15
20100302	0	3.74	4.70	158.4	-12	6
20100302	200	3.71	4.60	158.4	-9.7	6
20100307	1700	7.51	10.40	158.4	3.4	29
2/27/2012	0	5.72	10.90	158.4	-12	12.3
3/24/2011	1100	9.09	12.70	158.5	4.2	3
2/5/2012	800	1.36	2.20	158.5	-10.3	17.6
3/21/2011	900	8.74	17.20	158.6	11.9	31
2/15/2011	1600	3.97	6.60	158.7	6.4	22
2/19/2011	2000	6.21	10.40	158.7	2.9	31
2/23/2011	2300	10.69	16.50	158.7	-4.6	17
3/6/2011	1500	9.67	13.00	158.7	-1	11
3/23/2011	2200	7.32	13.40	158.7	-2	21
3/10/2012	900	1.57	3.10	158.7	6.6	12.7
3/26/2012	1000	8.04	11.80	158.7	14.7	9
20100206	2100	2.61	3.60	158.8	-8.1	12
20100207	200	1.73	2.60	158.8	-13.3	8
20100215	200	4.10	5.50	158.8	-26.8	5
2/6/2012	200	0.93	2.30	158.8	-16.6	5
1/7/2011	1900	1.82	4.30	158.9	-9	6
2/19/2011	900	10.68	15.40	158.9	1.5	33
20100221	1700	5.22	8.40	159	-13	9
20100221	1800	6.21	8.60	159	-13.3	9
20100310	500	2.22	3.00	159	-10.1	11
3/26/2012	1100	9.02	12.50	159	16.4	14.9
3/6/2011	2100	8.86	12.20	159.1	-3.2	9
3/8/2012	400	2.00	2.80	159.1	-11.1	5.9
20100331	1500	12.60	17.70	159.2	7.7	128
1/30/2011	500	1.96	3.00	159.2	-4.2	7
2/7/2011	1900	4.03	12.20	159.2	-6	10
3/11/2012	600	2.91	4.10	159.2	-5.5	11.4
20100128	300	9.04	12.60	159.3	-6.8	11
20100227	700	3.25	5.00	159.4	-13	36
3/21/2012	2300	1.60	4.00	159.4	-3.5	10.2
20100219	600	1.09	1.80	159.5	-16.1	8
20100312	300	2.69	4.00	159.5	-7.8	15

20100316	2100	3.05	4.60	159.5	-2.2	15
3/8/2011	200	8.62	13.20	159.6	-8.6	16
2/2/2012	500	2.13	3.20	159.6	-8	40.2
2/18/2012	300	3.36	4.30	159.6	-14.9	5.2
20100226	200	1.82	3.70	159.7	-16.9	5
2/13/2012	2300	3.59	5.00	159.7	-14.3	7
3/25/2011	1900	1.72	2.50	159.8	-1.3	11
2/19/2012	500	2.05	5.10	159.8	-15.7	7.3
3/10/2012	400	2.73	5.40	159.8	-5.7	7.4
20100214	1800	3.29	5.50	159.9	-21	10
20100221	1500	5.75	8.30	159.9	-10.9	8
2/24/2011	200	7.35	10.60	159.9	-6.7	20
3/22/2012	400	1.86	3.40	159.9	-4.9	6.7
3/8/2011	300	6.64	9.90	160	-8.2	14
3/16/2012	0	2.57	3.60	160	-0.9	8.8
20100218	0	5.91	8.30	160.1	-3.8	10
20100316	2000	2.19	4.10	160.1	-1.9	18
20100109	200	2.25	3.50	160.2	-16.3	9
20100221	1600	5.81	8.40	160.2	-12.2	9
20100307	1200	3.59	5.50	160.2	6.1	6
3/6/2011	1300	7.40	10.40	160.2	0.1	16
3/19/2012	2200	1.43	3.40	160.2	-8.9	12.1
20100128	400	9.96	13.40	160.4	-7	11
20100206	2000	2.00	4.40	160.4	-8	14
2/19/2011	2200	7.12	15.90	160.4	3	3
1/2/2012	700	3.81	5.60	160.4	-7.7	
20100127	2100	7.72	10.90	160.5	-5.4	12
20100325	500	2.90	5.00	160.5	-7.1	11
2/19/2011	300	1.14	3.30	160.5	-3.6	3
2/19/2011	1300	9.64	16.20	160.5	4.9	11
2/25/2011	2000	7.36	10.20	160.5	-5.5	8
3/24/2011	900	11.15	14.80	160.5	2.1	8
3/6/2011	1800	6.13	9.00	160.6	-2.3	42
3/6/2011	1700	7.31	10.60	160.7	-2	17
3/20/2011	2300	4.42	7.50	160.7	2.5	29
2/24/2011	2200	7.64	11.00	160.8	-9.2	9
2/25/2011	1800	5.52	8.40	160.8	-7.9	4

3/6/2011	2200	8.94	12.20	160.8	-4	2
3/9/2012	100	2.88	4.70	160.8	-7.5	9.4
3/18/2012	700	3.76	8.30	160.8	7.2	20.9
20100111	400	1.02	2.10	160.9	-22.2	19
1/6/2012	2300	6.60	9.30	160.9	-4.7	10.9
20100110	2000	2.67	4.50	161	-18.8	18
20100131	200	3.66	6.90	161	-9	16
20100227	1300	4.59	5.90	161	2	13
20100313	1300	5.21	7.60	161	6.1	19
1/5/2012	300	2.52	3.70	161	-2	
1/8/2012	0	3.04	4.10	161	-15.3	8
20100110	700	4.49	6.30	161.1	-12.9	7
20100219	700	0.94	1.50	161.1	-17.1	10
2/19/2011	1000	11.87	17.00	161.1	2.3	29
2/17/2012	2100	3.57	4.60	161.1	-15.3	3
3/9/2012	0	2.46	3.20	161.1	-7.4	9.2
1/29/2011	2100	3.01	5.20	161.2	-1.8	7
20100331	1600	12.61	16.70	161.3	6.8	115
3/21/2011	1200	5.90	11.40	161.3	14.6	23
2/14/2012	800	3.15	4.40	161.3	-8.5	17.1
3/24/2012	0	1.16	2.80	161.3	0.6	25.8
20100128	800	7.89	11.80	161.4	-7.1	10
3/7/2011	1900	13.78	19.50	161.4	-7.9	2
3/28/2011	2200	2.11	3.00	161.4	-3.5	15
2/27/2012	700	8.10	13.20	161.4	-6.7	13.7
20100121	1700	2.78	5.10	161.5	-6.7	12
1/30/2011	400	2.23	3.80	161.5	-3.3	7
3/25/2011	1100	7.31	10.10	161.5	4.3	12
20100307	200	7.66	10.00	161.6	-2.1	10
20100316	0	2.56	3.50	161.6	-5.1	11
20100317	100	2.87	4.20	161.6	-2.4	8
3/21/2011	1000	8.36	18.60	161.6	13.1	27
2/27/2012	1500	7.38	12.80	161.6	3.6	13
3/9/2012	200	3.21	4.00	161.6	-7	9.2
20100110	200	2.35	3.70	161.7	-15.1	14
3/7/2011	2300	10.83	15.90	161.7	-9.2	7
2/27/2012	600	9.85	14.00	161.7	-9.1	10.5

20100120	2300	3.36	5.50	161.8	-11.7	1
2/2/2011	900	0.93	1.80	161.8	-28.7	13
3/24/2011	400	10.75	15.40	161.8	-5.2	9
3/27/2011	300	4.18	6.30	161.8	-3.6	1
2/19/2011	1100	12.43	17.10	161.9	3.7	15
3/6/2011	2000	8.04	12.80	161.9	-2.3	12
3/7/2011	2200	11.78	16.80	161.9	-8.6	8
3/7/2011	1300	7.21	10.10	162	2.3	10
2/5/2012	2200	1.32	2.20	162	-14.8	9
2/16/2012	700	1.77	3.50	162	-16	27.8
20100222	2100	3.40	5.70	162.1	-19.2	9
3/6/2011	2300	8.39	12.50	162.1	-4.3	7
20100103	1700	1.30	2.50	162.2	-6.2	7
20100211	2100	2.38	3.30	162.2	-11	14
20100223	0	2.94	4.30	162.2	-20.1	9
20100325	600	2.54	3.80	162.2	-6.8	29
1/10/2012	0	1.21	2.40	162.2	-11.1	13.3
3/1/2012	300	1.64	4.40	162.2	-7.1	4
20100128	700	8.87	12.30	162.3	-7.1	13
20100128	1000	7.92	10.10	162.3	-6.1	13
20100203	2100	10.79	16.50	162.3	-1.6	30
20100221	1300	6.15	8.40	162.3	-10.8	8
20100313	800	3.37	4.80	162.3	-0.7	15
2/23/2011	1600	6.08	9.00	162.3	0.6	46
3/10/2012	500	3.65	5.30	162.3	-5.8	8.5
20100103	0	1.10	3.10	162.4	-4.4	7
20100222	1800	2.28	4.30	162.4	-22.5	15
2/2/2011	800	0.61	1.50	162.4	-33.4	6
2/1/2012	600	1.96	6.40	162.4	-6.9	9.9
2/13/2012	2100	3.12	4.60	162.4	-14.4	5.2
3/14/2012	500	1.60	4.00	162.4	0.7	11.7
3/17/2012	1000	6.35	12.50	162.4	15.8	12.6
3/23/2012	1900	4.28	7.30	162.4	10.8	28.7
20100112	300	3.72	5.50	162.5	-9.5	4
20100226	2000	2.20	4.60	162.5	-10	13
2/24/2011	300	6.27	9.00	162.5	-6.4	90
20100117	700	4.13	6.00	162.6	-3.5	37

1/12/2011	500	1.48	3.20	162.6	-15.6	5
20100120	2100	1.69	3.40	162.7	-11.3	7
20100215	100	4.76	6.20	162.7	-26	6
3/6/2011	1400	9.17	12.60	162.7	-0.3	11
20100114	400	1.46	2.90	162.8	-18.4	8
3/7/2011	0	7.58	10.80	162.8	-4.9	4
3/24/2011	300	9.59	13.80	162.8	-5.3	11
1/8/2012	200	1.06	3.70	162.8	-16.2	9
2/19/2012	600	1.60	2.80	162.8	-15.3	24.9
20100112	100	3.90	5.80	162.9	-8.9	4
20100117	1100	2.22	3.90	162.9	0.2	26
1/8/2012	600	3.38	4.10	162.9	-15.4	6.4
3/10/2012	300	2.93	4.80	162.9	-7	8.4
20100104	1000	1.15	2.90	163	-6.7	11
3/8/2011	100	9.56	13.30	163	-8.7	5
3/25/2012	100	7.98	11.10	163	5.2	15.3
20100116	2000	4.03	5.80	163.1	-1.8	12
20100306	2100	3.22	5.10	163.1	-2.6	10
3/7/2011	1800	13.86	19.60	163.1	-7.1	2
2/27/2012	2100	4.67	8.10	163.1	-2.3	23.7
20100214	2200	3.89	6.00	163.2	-25.5	5
20100301	2200	2.68	4.60	163.2	-11.7	10
20100114	600	1.41	2.80	163.3	-16.3	28
20100121	1800	2.56	4.60	163.3	-7.1	18
2/18/2011	600	1.77	3.60	163.3	-7.7	6
20100115	2000	2.59	5.00	163.4	-7	12
20100302	2000	2.61	4.00	163.4	-7.2	8
2/24/2011	0	9.69	14.20	163.4	-5.7	20
2/7/2012	1400	6.27	8.60	163.4	-5.3	10.9
20100120	700	2.31	4.70	163.5	-11.7	28
3/7/2011	1600	10.22	14.40	163.5	-1.9	3
3/17/2012	100	4.02	5.20	163.5	2.8	9.7
20100217	2300	4.43	6.30	163.6	-5	11
20100331	2100	6.49	10.20	163.6	4.7	25
1/24/2011	700	1.59	3.00	163.6	-11.2	3
2/25/2011	1900	6.07	9.00	163.6	-6.1	-1
20100121	400	2.00	3.60	163.7	-12	8

20100126	1300	1.84	5.20	163.7	-0.5	11
20100325	100	3.12	4.30	163.7	-6.9	5
2/14/2012	0	4.44	5.80	163.7	-13.7	8
3/1/2012	1500	3.49	8.00	163.7	-3.5	15.1
20100310	300	2.11	2.80	163.8	-9.8	9
1/14/2011	900	1.40	4.60	163.8	-1.1	33
1/31/2011	500	8.17	11.80	163.9	-5.2	7
2/24/2011	100	9.17	13.30	163.9	-6	22
3/8/2011	0	10.56	15.40	163.9	-9.4	4
3/19/2011	400	3.77	5.20	163.9	-0.3	17
2/11/2012	400	7.11	9.30	164	-12.2	18.4
20100109	2200	2.34	4.40	164.1	-9.9	12
20100120	1400	1.26	3.90	164.1	-2.7	15
20100310	0	1.54	2.80	164.1	-9.5	12
2/19/2011	1700	6.08	15.30	164.1	5.4	12
2/7/2012	1900	6.42	9.50	164.1	-10.6	6.6
2/18/2012	0	2.81	5.00	164.1	-15.7	4
20100103	900	1.94	2.60	164.3	-6.5	6
20100112	0	3.87	5.90	164.3	-11.9	1
20100113	2200	1.15	3.70	164.3	-13	22
20100301	2300	4.04	5.60	164.3	-12.9	14
20100307	1800	4.88	8.10	164.3	1.6	23
20100117	2000	6.44	8.50	164.4	-3.8	8
20100121	1100	7.18	10.60	164.5	-2.2	14
20100128	500	10.39	14.10	164.6	-6.9	9
20100220	1000	7.29	9.10	164.6	-7.7	4
20100222	1900	1.93	3.10	164.6	-24.4	34
20100306	2300	8.59	11.20	164.6	-1.2	8
2/6/2011	2200	1.35	3.20	164.6	-18.2	4
3/7/2011	1200	5.46	8.70	164.6	1.4	5
20100127	1900	2.70	6.30	164.7	-5.3	12
1/11/2012	2200	2.05	4.80	164.7	-21.6	7.6
2/15/2012	1200	3.35	4.40	164.7	-4.5	8.5
20100223	2000	3.39	5.20	164.8	-11	13
2/19/2011	1200	11.34	17.90	164.8	3.9	13
20100208	2300	1.55	2.90	164.9	-25.5	9
20100221	1100	4.62	7.90	164.9	-10.8	7

2/25/2011	1700	5.90	7.80	164.9	-7.2	-1
3/20/2011	2200	4.59	8.90	164.9	4	19
20100128	600	9.50	13.10	165	-7	8
20100203	300	4.51	6.60	165	-11.3	5
20100221	1200	6.36	8.20	165	-11	14
20100315	2300	2.66	3.70	165	-5	12
3/23/2011	2100	3.45	7.90	165	-3.7	16
20100128	900	6.94	9.90	165.1	-6.6	8
20100227	600	2.13	3.60	165.1	-11.9	21
3/5/2012	2000	3.43	11.80	165.1	5.5	14.7
3/7/2012	1000	4.94	8.10	165.1	-3.9	9.5
20100120	800	1.89	4.80	165.2	-11.6	34
2/14/2011	600	4.78	7.60	165.2	-2.8	11
3/7/2011	2000	12.71	17.40	165.2	-8.4	64
20100110	0	3.91	5.00	165.3	-11.5	5
1/10/2012	200	1.12	3.70	165.3	-12.6	5.8
2/15/2012	0	3.14	5.60	165.3	-17.4	5.2
3/22/2012	2200	2.33	3.70	165.3	-1.5	12.7
1/12/2011	700	2.91	5.00	165.4	-13	11
1/7/2012	100	4.92	7.50	165.4	-4.5	8.1
3/10/2012	700	3.45	5.20	165.4	-0.2	11.5
3/24/2011	1000	10.55	13.70	165.5	3.5	8
2/19/2012	1300	2.93	4.70	165.5	0.7	9.7
20100121	1200	6.18	9.80	165.6	-1.4	11
20100203	2200	9.60	13.10	165.6	-2.6	11
20100215	800	4.59	5.50	165.6	-20.7	14
3/2/2012	300	3.06	4.30	165.6	-15.2	5.1
3/2/2012	700	1.70	2.60	165.6	-13.7	11.8
1/30/2011	100	3.68	5.30	165.7	-2.9	6
3/27/2011	100	3.53	4.80	165.7	-2.9	15
3/16/2012	100	3.35	4.90	165.7	-2.9	8.9
2/8/2011	200	2.33	10.00	165.8	-17	36
2/25/2011	100	4.88	7.90	165.8	-9.1	18
3/23/2011	2300	8.50	19.20	165.8	-2.1	9
20100215	700	4.38	5.20	165.9	-24.4	12
3/18/2012	300	4.32	6.60	165.9	0.1	8.5
20100110	800	3.55	4.90	166	-9.6	10

20100121	1900	1.35	3.00	166	-7.9	8
20100218	100	5.54	8.50	166	-3.7	13
20100223	100	3.27	4.30	166	-19.8	10
2/25/2011	900	6.46	8.50	166	-7.5	14
3/7/2011	1700	9.93	16.40	166	-2.9	16
2/11/2012	1300	6.79	10.10	166	-3.6	6.2
3/9/2012	2000	2.69	4.40	166	-2.5	20.2
2/24/2011	2300	7.70	10.40	166.1	-9.6	6
3/7/2011	1100	2.27	6.50	166.1	-0.2	8
3/24/2011	500	10.59	14.60	166.1	-5.1	6
3/19/2011	200	4.31	6.10	166.2	0.2	18
20100209	1100	2.75	4.50	166.3	-8.9	14
20100307	0	9.08	11.60	166.3	-1.5	10
20100307	100	8.76	11.30	166.3	-1.5	9
2/25/2011	0	6.51	8.60	166.3	-9.5	10
2/25/2011	1300	6.04	8.00	166.3	-5	29
2/25/2012	700	3.16	5.40	166.3	-3.1	10
20100109	2300	2.31	4.10	166.4	-12.6	8
1/26/2011	200	1.63	3.10	166.4	-6	11
2/25/2011	1200	7.71	10.60	166.4	-6	41
1/5/2012	100	2.46	4.00	166.4	-2	
3/9/2012	300	2.68	3.50	166.4	-6.8	8.8
20100206	1100	1.52	3.00	166.5	1	17
20100306	2200	6.47	9.80	166.5	-0.8	10
2/4/2012	1900	1.33	2.70	166.5	-10.2	10.7
3/23/2012	2000	4.59	5.80	166.5	7.5	31.3
20100126	1100	2.51	4.10	166.6	-4.2	30
20100312	2000	1.89	3.10	166.6	-5.1	18
2/25/2011	1000	7.26	10.00	166.6	-7.4	19
3/24/2011	700	10.99	15.90	166.6	-2.7	9
2/14/2012	100	4.41	6.10	166.6	-12.7	10.6
20100115	1700	1.16	3.10	166.7	-8.3	18
20100118	100	3.93	5.40	166.7	-9.4	8
20100226	900	3.56	4.80	166.7	-9.8	16
1/30/2011	200	2.17	3.70	166.7	-3.4	5
2/9/2011	600	1.73	2.50	166.7	-34.2	6
3/24/2011	800	11.29	15.30	166.7	-0.3	11

20100112	800	3.29	4.30	166.8	-5.4	37
20100224	500	1.68	4.00	166.8	-9.2	15
3/25/2012	1500	7.41	12.60	166.8	17.3	11
3/7/2011	100	7.81	11.40	167	-5.7	10
20100223	300	3.44	5.20	167.1	-20.3	11
20100324	2200	1.19	2.00	167.1	-7.8	10
3/18/2011	1100	7.00	10.60	167.1	4.4	37
2/12/2012	900	1.16	2.70	167.1	-5	63.3
2/25/2012	400	2.71	6.60	167.1	-1.2	6.3
3/15/2012	2000	3.58	4.80	167.1	1.3	16.4
2/9/2011	900	3.99	5.00	167.2	-24.2	13
2/14/2011	0	3.15	4.20	167.2	-5.9	7
20100111	1800	1.88	3.60	167.3	-18.1	42
2/2/2011	500	1.95	3.00	167.3	-37.9	19
3/16/2012	2100	1.73	3.80	167.3	3.6	17.6
1/8/2012	100	2.06	2.90	167.4	-16.1	7.2
3/9/2012	600	2.47	3.00	167.4	-8	13.2
20100303	600	3.40	5.50	167.5	-10.8	19
20100314	300	2.36	6.40	167.5	-1.6	31
2/19/2012	1200	2.26	4.20	167.5	0.7	9.5
3/17/2012	1100	6.26	11.20	167.5	16.2	9.9
20100111	2000	0.64	2.20	167.6	-19.5	31
3/27/2011	400	3.94	5.80	167.6	-2.9	22
3/16/2012	2200	3.42	5.90	167.6	3.9	8.1
20100220	900	5.87	7.80	167.7	-8.6	2
20100227	2100	7.97	9.90	167.7	-2.5	8
20100318	0	2.13	3.30	167.7	-3.4	9
1/4/2012	2200	3.58	5.20	167.7	-1.6	
1/10/2012	600	2.96	5.20	167.7	-12.5	12.2
1/23/2012	2000	2.14	5.10	167.7	-6.6	11.4
3/18/2011	2100	1.97	3.80	167.8	-0.1	24
20100223	600	2.43	3.70	167.9	-18.5	13
20100318	100	3.32	4.50	167.9	-2.9	9
20100112	700	3.92	6.50	168	-13.2	18
20100329	2300	2.84	7.40	168	5.3	22
2/25/2011	1100	8.02	10.10	168	-7.1	28
3/24/2011	1200	8.16	11.30	168	4.7	3

1/7/2012	0	5.04	8.00	168	-5	11.3
3/6/2011	1900	6.19	10.10	168.1	-2.1	37
3/20/2011	2100	4.36	8.20	168.1	4.5	43
1/2/2012	500	2.52	4.20	168.1	-10.5	
20100110	900	3.32	4.50	168.2	-9.2	9
20100203	700	1.51	3.20	168.2	-14.7	50
3/1/2011	2000	2.82	5.10	168.2	-2.4	21
3/18/2011	1900	4.05	6.00	168.2	1	47
20100121	500	2.85	5.20	168.3	-10.9	9
20100315	2200	1.43	2.20	168.3	-5.4	12
20100114	2300	2.01	5.30	168.4	-10	18
20100219	800	0.12	0.80	168.4	-16.1	9
20100312	500	2.62	4.80	168.4	-9.4	16
3/6/2012	500	5.39	9.00	168.4	2.5	11.2
20100108	1600	1.03	2.80	168.5	-20.9	34
2/9/2011	400	1.55	2.50	168.5	-32.1	4
2/19/2011	1500	6.75	11.80	168.5	4.5	11
3/7/2012	900	4.71	7.00	168.5	-4.4	7.7
3/8/2012	2300	2.69	3.90	168.5	-7.7	20.7
1/29/2011	2200	4.63	7.90	168.7	-1.5	8
3/9/2012	500	2.94	4.00	168.7	-8.7	15
3/12/2012	2300	3.18	8.70	168.7	3.1	18
20100114	0	1.91	3.80	168.8	-17.1	21
3/17/2012	300	3.30	6.00	168.8	3.3	14.2
20100307	300	7.10	10.20	168.9	-2.4	11
3/7/2011	2100	11.17	16.60	168.9	-8.4	14
3/21/2011	800	6.30	9.30	168.9	7.9	42
3/24/2011	200	9.38	12.80	168.9	-4.7	16
3/18/2012	600	3.48	6.10	168.9	1.4	11.9
1/30/2011	600	2.65	5.40	169	-3.2	16
3/19/2011	300	4.26	5.20	169	-0.4	23
2/14/2012	600	3.05	4.50	169	-8.9	14
20100107	1700	1.83	2.90	169.1	-30.9	31
20100114	2100	1.72	4.10	169.1	-14.5	25
1/9/2012	0	3.07	4.80	169.1	-11.9	6.4
20100111	500	1.29	3.20	169.3	-22	22
20100115	2100	3.78	4.80	169.3	-9.3	8

2/8/2011	2200	2.36	3.30	169.3	-27.1	11
2/11/2012	800	3.10	4.30	169.4	-9.5	18.7
2/19/2012	300	1.65	4.20	169.4	-15	5.6
1/23/2012	2100	1.79	3.50	169.5	-7.9	26.9
20100113	900	3.41	6.80	169.6	-1.3	18
20100216	200	1.44	3.50	169.6	-24.6	10
2/13/2012	1900	1.81	3.90	169.6	-13.8	6.7
2/16/2012	800	2.41	4.10	169.6	-13.1	13.1
2/28/2012	0	2.53	4.40	169.6	-5	41
20100217	2200	4.27	5.80	169.7	-5	10
2/13/2011	500	4.87	11.60	169.7	1.7	9
1/10/2011	600	2.12	3.00	169.8	-22.3	8
1/27/2012	2100	2.09	4.30	169.8	-20.5	7.9
3/23/2012	800	2.09	4.30	169.8	9.3	7.8
3/24/2012	400	1.93	3.50	169.8	-0.9	8.5
20100208	2100	1.21	2.90	169.9	-24.6	11
20100209	600	1.34	3.70	169.9	-28.4	19
3/5/2012	2200	3.60	8.30	169.9	1	9.3
20100312	400	3.71	4.60	170	-9.7	12
2/12/2012	300	0.92	2.10	170	-13.9	15.5
3/7/2011	200	7.54	10.90	170.1	-5.9	2
20100110	600	3.53	5.40	170.2	-13.4	11
20100113	2000	1.36	3.80	170.2	-12.3	18
20100316	700	2.46	3.60	170.2	-1.9	17
1/7/2012	400	2.89	4.70	170.2	-3.8	6.7
2/25/2011	800	6.05	8.50	170.3	-7.7	11
20100215	2300	2.62	3.20	170.4	-20.7	17
20100209	300	2.46	3.80	170.5	-27.9	23
2/7/2012	2100	4.50	6.00	170.5	-11.3	14
2/17/2012	2200	3.46	5.00	170.5	-16.4	-0.2
20100223	1800	1.39	3.30	170.9	-14	35
20100310	100	2.79	3.50	170.9	-9.9	13
1/2/2012	600	3.01	4.80	170.9	-10.5	
1/4/2011	0	2.61	3.80	171	-16.7	13
20100107	300	0.81	2.10	171.1	-35.2	16
20100118	900	2.74	5.20	171.1	-9	62
20100304	0	1.70	3.30	171.1	-6.6	20

1/4/2012	2300	3.01	4.70	171.1	-1.5	
20100115	1900	4.27	6.10	171.3	-11.9	22
20100226	0	1.91	2.80	171.3	-14.1	8
20100302	1900	3.26	4.50	171.3	-6.2	37
3/18/2011	2300	5.35	8.10	171.3	0.6	28
2/13/2012	2000	2.28	5.50	171.3	-13.3	2.2
20100129	700	1.12	1.70	171.4	-16.4	9
3/7/2012	800	4.39	7.50	171.4	-4.5	6.8
20100114	2200	2.03	5.00	171.5	-12.5	28
20100117	800	3.67	6.50	171.5	-2.4	48
20100202	2300	3.06	4.50	171.5	-7.7	23
20100307	500	6.23	9.60	171.5	-3.7	8
1/3/2011	2200	2.00	3.70	171.5	-19.5	10
3/19/2011	0	5.45	8.00	171.5	0.8	26
2/14/2012	200	4.63	5.90	171.5	-11.3	0.4
20100108	2200	0.92	2.40	171.6	-23.5	54
20100216	100	1.35	2.70	171.6	-24	11
20100318	800	1.13	2.20	171.6	1.9	88
3/7/2011	300	5.45	9.30	171.6	-5.7	7
3/19/2011	500	4.71	7.50	171.6	1.2	18
3/23/2012	700	2.68	3.90	171.6	5.9	16.7
20100209	1000	2.52	4.20	171.7	-15.1	59
2/19/2011	1600	4.50	8.00	171.7	4.8	17
3/21/2011	400	4.88	7.50	171.7	2.1	28
20100304	200	2.40	4.50	171.8	-6.6	10
2/25/2011	200	3.36	5.20	171.8	-9.2	28
20100130	800	1.42	2.70	171.9	-14.4	113
3/2/2011	500	3.15	4.20	171.9	-6	0
1/20/2012	2200	3.74	5.00	171.9	-4.9	16.5
2/11/2012	600	2.24	4.20	171.9	-12	11.1
20100216	1700	1.74	3.80	172	-8.1	22
1/5/2012	0	2.38	4.10	172.1	-1.8	
20100114	1600	1.72	4.40	172.2	-7.8	41
2/16/2012	0	1.87	3.30	172.2	-11	3.3
3/28/2012	2000	4.46	5.70	172.2	7.7	15.9
20100112	1800	3.01	4.50	172.4	-0.9	32
3/28/2012	600	3.10	4.70	172.4	-2.1	26.1

20100106	2300	2.41	3.70	172.5	-31.4	11
20100223	800	2.04	3.70	172.5	-12.9	30
2/29/2012	700	5.73	12.30	172.6	-5.4	20
3/16/2012	2300	3.44	5.70	172.6	3.5	7.5
20100113	1000	3.63	5.40	172.7	-1.4	30
20100203	1100	2.41	3.90	172.7	-4.2	
1/10/2011	1700	3.83	4.80	172.7	-22.8	16
3/24/2011	600	10.13	13.80	172.7	-4.4	9
2/7/2012	2000	5.39	8.50	172.7	-11	6.4
20100202	2200	2.49	4.40	172.8	-6.5	19
1/10/2011	800	2.25	3.80	172.8	-22.4	11
20100215	2100	1.49	3.10	173	-18.6	14
20100317	1800	1.78	3.70	173	3.5	40
1/10/2011	100	2.41	3.80	173	-23.5	15
3/28/2011	300	2.62	4.30	173	-4.3	-4
1/8/2012	700	2.19	4.00	173.1	-14.4	7.6
3/9/2012	700	2.59	3.50	173.2	-5	13.5
20100121	2000	4.21	7.60	173.3	-5.3	11
20100219	2100	2.47	4.10	173.3	-12.5	7
1/9/2012	500	3.08	5.10	173.3	-11.1	6.4
20100201	800	2.74	4.10	173.4	-9.7	19
1/11/2012	2100	1.53	5.10	173.5	-21.6	10.7
2/11/2012	500	5.51	8.70	173.5	-12.8	4.1
20100307	400	6.36	8.90	173.6	-2.8	9
3/17/2012	900	8.15	13.70	173.6	15.1	12.8
1/30/2011	0	5.30	7.40	173.7	-2.6	8
3/24/2012	500	2.41	3.60	173.7	0.3	13.6
1/26/2011	300	1.10	2.20	173.8	-6.1	8
3/10/2012	200	2.28	3.40	173.8	-7.2	7.9
20100228	1000	0.73	1.30	173.9	-1.2	14
1/10/2011	1100	1.34	2.10	173.9	-17.6	13
20100304	1200	2.13	6.80	174	4.5	24
20100305	100	9.78	13.20	174	-1.9	24
2/1/2011	2200	2.07	3.00	174	-35.7	5
1/7/2012	200	3.40	5.30	174	-4.2	6.6
2/7/2012	1000	1.32	4.30	174	-8.9	7.9
3/9/2012	2300	1.27	2.70	174	-5.4	14.3

20100120	1100	0.79	1.80	174.1	-5.4	51
2/11/2012	2000	5.04	7.40	174.1	-6.1	13.6
3/21/2011	500	4.02	5.30	174.2	1.8	27
2/4/2012	600	0.68	1.60	174.2	-15.9	6.1
20100315	2000	1.69	2.90	174.3	-4	22
2/2/2011	2300	0.94	2.80	174.3	-30.6	7
3/15/2012	700	3.20	6.20	174.3	1.6	17.1
3/23/2012	2100	4.90	6.40	174.3	6.9	40.5
20100108	2100	0.35	1.40	174.6	-22.4	24
20100202	900	2.70	4.20	174.6	-9.8	39
20100204	2000	0.99	2.20	174.6	-7.9	13
20100107	2300	1.49	2.80	174.7	-35	29
20100111	1900	2.32	4.00	174.7	-19.7	34
20100121	2300	2.30	4.80	174.7	-7.3	13
20100223	700	1.89	2.70	174.7	-15.1	32
20100226	100	2.53	4.10	174.7	-16.6	10
3/19/2011	600	3.86	7.70	174.7	0.4	17
1/12/2012	2200	3.06	6.10	174.7	-11.2	6.4
1/10/2011	900	2.09	3.20	174.8	-22.2	13
2/11/2012	1100	3.68	6.10	174.8	-5.2	8.5
2/15/2012	100	1.94	4.30	174.8	-16.1	6.6
3/21/2011	200	5.41	8.30	174.9	0.3	29
2/7/2012	2200	4.60	6.40	175	-11.8	2.6
1/9/2012	1900	2.04	3.40	175.1	-9	19.8
20100111	2200	1.19	2.90	175.2	-19.9	38
20100324	2300	3.10	4.50	175.2	-7	8
2/24/2011	800	4.32	6.30	175.2	-5.4	6
20100128	1100	6.07	8.70	175.3	-5.6	13
20100325	800	2.31	4.20	175.3	-1.3	13
3/23/2012	2200	4.86	7.30	175.3	6	22
3/16/2012	700	3.91	7.10	175.4	5.3	15.7
20100207	300	0.88	2.00	175.5	-11.5	9
2/25/2011	400	3.23	4.80	175.5	-8.8	10
20100120	2200	3.04	5.30	175.6	-10.9	13
20100218	700	0.61	1.80	175.6	-5.5	16
20100119	200	2.36	3.90	175.8	-11.6	12
20100304	500	1.94	3.30	175.9	-10	37

3/15/2012	600	5.01	7.10	175.9	-0.8	18.8
3/17/2012	700	4.79	9.50	175.9	11.1	20.3
20100227	1000	2.23	3.40	176	-4.2	124
20100320	300	1.84	2.80	176	-17.1	9
2/6/2011	2000	1.65	3.30	176.1	-19.4	5
2/14/2011	500	6.96	10.70	176.1	-2	3
3/19/2011	100	5.24	7.90	176.1	0.7	20
3/14/2012	700	3.01	5.30	176.1	2.8	16.9
20100302	2200	1.15	2.50	176.2	-7.2	39
1/8/2012	2200	2.57	3.60	176.2	-10.4	5.1
2/11/2012	1200	3.90	6.60	176.2	-4	6
20100130	2000	2.57	3.30	176.3	-14.4	18
3/24/2011	100	8.75	13.70	176.3	-3.9	19
2/14/2012	300	3.51	5.70	176.3	-11.7	3.8
3/17/2012	0	2.61	5.00	176.4	3.5	6.3
3/21/2012	2200	2.66	3.80	176.4	-2.7	13.5
2/14/2012	400	3.41	5.40	176.5	-11.6	5.9
20100119	400	1.69	3.10	176.6	-11.9	41
2/27/2011	2300	2.58	6.00	176.6	-7.7	16
1/7/2012	300	3.65	4.40	176.6	-4	9.8
2/1/2011	2300	1.99	3.00	176.8	-36.3	6
3/2/2011	200	4.44	6.50	176.8	-6.3	16
3/21/2011	300	5.10	7.20	176.8	0	27
2/1/2012	2300	3.07	4.20	176.8	-7.1	15.8
20100114	900	0.37	1.40	176.9	-13.6	75
3/17/2012	200	4.18	6.40	177	5	7.9
20100107	2200	1.34	2.80	177.1	-35.8	45
20100204	100	9.11	15.00	177.1	-1.8	33
20100214	1600	3.31	4.20	177.1	-14	54
2/19/2012	1000	3.10	4.90	177.1	-1.2	21.2
1/5/2012	400	2.15	4.60	177.2	-1.9	
20100104	900	2.21	3.40	177.3	-11	16
3/25/2011	900	7.43	12.60	177.3	4.7	17
2/8/2012	200	2.05	6.80	177.3	-13.4	9.4
20100107	2000	1.50	3.50	177.4	-34.5	24
20100208	2200	2.04	3.80	177.4	-25.3	19
2/14/2012	1000	2.62	3.90	177.4	-3.7	12.1

1/2/2012	300	1.60	2.60	177.5	-14.4	
20100114	200	2.08	2.80	177.6	-16.7	12
20100122	600	4.89	7.70	177.6	-4.9	47
2/2/2011	0	1.44	2.50	177.6	-37.2	7
3/20/2012	800	1.17	2.90	177.6	-3.3	11.6
3/7/2011	1000	2.02	4.80	177.7	-2.5	10
3/13/2012	0	1.94	4.50	177.7	0.5	18.2
20100129	200	1.17	2.20	177.8	-8.1	11
20100318	1000	1.88	3.50	177.9	6	23
1/31/2012	500	4.78	6.80	178	-8.9	5.7
20100119	700	2.99	4.70	178.1	-5.6	84
20100130	600	1.18	2.40	178.1	-15.7	31
3/21/2011	1100	6.69	14.00	178.2	14.1	27
3/25/2011	600	1.72	4.10	178.2	-0.1	8
20100219	500	0.86	1.80	178.3	-15.5	9
2/25/2011	300	2.73	4.60	178.3	-9	19
3/21/2011	100	5.37	7.50	178.3	-0.1	35
1/20/2012	2100	2.97	4.90	178.3	-3.9	14.9
20100110	400	3.03	5.30	178.4	-13.4	34
20100110	2300	2.39	4.40	178.4	-17.8	26
20100113	1100	3.30	5.50	178.4	-1.1	23
20100129	0	1.01	2.50	178.4	-6.8	8
3/18/2011	700	2.26	3.90	178.4	-5.5	21
1/7/2012	500	3.08	4.80	178.5	-4.1	8.1
3/11/2012	900	0.78	2.30	178.5	6.8	12.6
20100310	400	2.34	2.80	178.6	-10.6	10
2/13/2012	2200	3.63	5.00	178.6	-14.8	1.4
3/22/2012	800	1.11	2.50	178.7	4.4	8.6
20100214	1900	3.20	4.50	178.8	-22.7	11
20100303	500	3.17	5.40	178.8	-10.9	31
1/31/2011	400	6.50	9.80	178.8	-4.4	9
3/17/2012	1200	6.03	11.90	178.8	16.6	10.4
20100307	800	1.98	2.70	178.9	-4.7	34
3/18/2011	800	3.07	4.60	178.9	-3.2	42
3/26/2011	2300	2.45	4.20	178.9	-2.5	8
2/14/2012	900	2.90	5.20	178.9	-5.1	16.7
2/15/2012	1900	2.01	3.50	178.9	-11.7	19.8

20100107	1800	1.03	2.50	179	-34.3	31
20100330	0	4.92	8.80	179	3.4	16
20100117	1200	2.53	3.50	179.1	2	14
1/30/2011	300	2.14	3.10	179.1	-3.4	3
2/2/2011	1000	0.77	1.90	179.1	-25.1	23
2/17/2012	300	3.16	7.30	179.1	-7.2	3.3
3/9/2012	800	2.24	3.60	179.1	-0.9	11.5
3/19/2012	500	4.62	6.20	179.1	-8.5	10.4
20100307	1000	1.53	2.70	179.2	1	22
2/11/2012	700	1.35	2.80	179.2	-10.6	14.4
20100130	700	1.22	2.80	179.3	-14.8	29
2/24/2011	400	3.87	5.40	179.3	-7.6	14
3/2/2011	300	4.51	5.70	179.4	-6.3	15
20100107	1900	1.86	4.00	179.5	-34	29
20100119	300	1.94	3.80	179.5	-10.6	5
3/16/2011	600	3.63	7.50	179.5	6.2	25
3/27/2011	500	3.08	4.50	179.5	-3.7	11
3/25/2011	1200	6.58	11.20	179.6	4.7	9
1/15/2012	1800	4.94	8.10	179.6	1	7.2
20100305	0	9.45	13.00	179.7	-1.2	26
2/15/2011	1800	2.53	7.10	179.7	1.7	2
3/12/2011	300	4.94	7.10	179.8	-1.5	11
20100121	1500	4.08	6.20	179.9	-1.9	34
3/22/2012	500	0.92	2.10	179.9	-7	12.7
3/25/2012	300	5.13	6.90	179.9	2.9	16.9
20100219	1800	4.70	7.20	180	-12.6	14
1/7/2011	2100	1.12	3.20	180	-7.3	8
2/14/2012	700	1.76	3.70	180	-9.3	16.7
3/23/2012	2300	3.88	5.20	180	2.2	17.8
3/14/2012	2300	1.96	4.80	180.1	-0.4	16.7
3/18/2012	100	4.20	7.10	180.1	1.1	12
3/18/2012	500	4.69	7.50	180.1	1.7	10.4
1/16/2012	500	5.53	9.50	180.2	-4	7.5
3/15/2012	2300	2.18	4.00	180.2	-1.2	14
3/28/2012	500	2.17	4.10	180.2	-4.4	25.6
3/1/2011	1900	3.92	6.60	180.4	-1.1	24
3/30/2012	2100	2.26	6.00	180.4	7.8	16.4

20100117	1900	3.68	8.00	180.5	-5.1	11
2/16/2011	600	1.68	4.40	180.5	1.9	20
1/9/2012	600	1.62	3.90	180.5	-11.8	5
20100110	100	2.92	4.80	180.6	-12.5	19
20100129	500	1.56	2.70	180.6	-11.8	8
2/26/2012	2200	2.91	4.80	180.6	-11.7	10.5
3/18/2012	200	5.34	7.40	180.7	0.1	11
20100111	1700	0.91	2.80	180.8	-15	34
20100203	1200	1.60	2.70	180.8	-0.2	
2/1/2011	2100	2.36	3.40	180.8	-35.4	8
3/27/2011	600	2.93	3.90	180.8	-2.8	12
20100117	2300	4.84	5.80	180.9	-9.3	13
20100222	1700	1.68	2.90	180.9	-18.5	27
3/26/2011	2100	7.71	12.90	180.9	0.6	13
3/13/2012	600	6.06	9.40	180.9	-1.4	13.4
20100209	700	1.20	2.50	181	-28.1	41
20100218	2200	3.41	4.30	181	-15.1	8
20100303	800	5.02	7.40	181	-3.9	69
3/11/2011	2000	2.99	7.70	181.1	-0.7	18
3/10/2012	100	1.26	2.70	181.1	-7.4	19.5
20100108	1000	0.74	2.40	181.2	-23.6	95
3/21/2011	0	5.13	7.20	181.2	0.9	30
20100103	1900	1.29	2.80	181.3	-11.3	10
2/25/2011	700	4.68	6.80	181.3	-8.2	10
3/7/2012	400	6.54	9.80	181.3	-4.7	8.8
3/17/2012	800	6.07	11.20	181.3	13.7	19.7
3/18/2012	400	5.40	7.90	181.3	2.5	7.6
20100111	1600	1.09	2.70	181.4	-11.3	33
20100320	900	1.23	2.80	181.5	-9.5	56
3/10/2011	2200	5.11	9.30	181.5	4	12
3/12/2011	500	1.94	3.00	181.5	-4	12
3/6/2012	0	3.86	6.70	181.6	1.4	10.2
20100214	1500	3.30	4.10	181.7	-12.3	42
3/7/2011	900	3.88	5.50	181.7	-4.9	9
3/31/2012	2000	7.02	9.00	181.7	8.6	15.6
20100114	700	0.75	2.10	181.8	-18.1	45
20100303	300	2.42	4.40	181.8	-8.8	17

20100308	0	3.28	5.20	181.9	-1	22
20100104	1600	1.48	2.70	182	-7.3	23
20100202	500	2.20	6.50	182	-12.5	12
20100315	1000	1.13	2.70	182	-0.5	14
20100315	2100	2.10	3.00	182.1	-4.7	32
1/2/2012	1900	3.73	7.50	182.1	0.2	
3/6/2012	100	3.65	5.90	182.1	0.5	11.8
20100204	200	4.55	11.60	182.2	-1.3	24
2/14/2012	2000	1.83	3.20	182.2	-12.1	7.9
3/5/2012	1900	3.95	10.30	182.2	5	12.1
3/16/2012	500	3.82	5.50	182.2	0	14.5
20100320	1000	1.32	2.70	182.3	-6.8	59
3/26/2011	2200	3.11	6.10	182.3	-0.9	13
2/1/2012	400	2.10	5.60	182.3	-6.6	14.3
2/15/2012	900	1.79	3.00	182.4	-13	-5.2
20100204	2200	1.88	3.70	182.5	-11.5	19
20100121	1400	3.59	5.60	182.6	-0.4	23
3/31/2012	1900	5.03	7.30	182.6	8.3	27.5
2/1/2011	800	1.42	2.70	182.7	-33.5	4
2/15/2011	1500	4.09	6.50	182.7	7.5	15
2/25/2011	500	2.95	4.10	182.7	-8.7	10
20100107	600	1.17	2.50	182.8	-38.6	14
20100303	200	3.66	4.90	182.8	-7.9	9
20100223	2100	2.45	4.60	182.9	-11.8	12
3/27/2011	700	4.31	6.20	182.9	-1.2	19
3/26/2012	1200	8.07	17.70	182.9	17.8	19.6
20100209	200	1.21	2.20	183	-27.1	12
20100304	300	1.42	2.70	183	-8	12
20100203	200	5.71	7.20	183.1	-12.1	6
20100203	800	1.97	3.90	183.2	-14.1	96
3/25/2012	200	5.78	9.40	183.2	4.5	12.5
20100209	500	1.61	3.10	183.3	-28	16
2/9/2011	500	2.31	3.20	183.3	-34	5
20100116	1400	1.68	5.80	183.4	2.2	43
20100218	2300	1.55	3.10	183.4	-13.9	8
2/16/2012	400	2.08	4.10	183.4	-17.3	9.3
1/31/2011	0	0.85	3.60	183.5	-3.2	7

3/28/2011	600	3.26	4.40	183.5	-4.1	16
2/1/2012	2200	2.94	4.50	183.5	-6	25
20100111	300	2.10	4.60	183.6	-22.3	38
20100324	2100	1.27	2.10	183.6	-7.1	8
3/13/2011	2300	3.41	4.90	183.6	-5	6
1/10/2012	300	1.70	2.90	183.6	-12.5	12.3
2/1/2012	1800	2.70	4.30	183.6	-3.2	21.8
3/15/2012	800	2.49	4.00	183.6	5.9	10.8
20100115	2300	2.46	4.90	183.7	-7.8	9
2/2/2011	1800	1.33	2.60	183.7	-29.1	6
2/11/2012	1900	6.67	9.00	183.7	-5.8	4.2
3/18/2011	900	2.76	5.00	183.8	-0.1	28
20100317	2300	1.37	3.10	183.9	-3.1	9
2/1/2011	1900	1.71	2.60	183.9	-34.3	3
2/25/2011	1600	4.05	7.10	183.9	-5	6
3/18/2011	1000	4.81	9.50	183.9	2.9	29
3/4/2011	600	1.15	2.60	184	-4.1	17
3/13/2012	400	3.22	7.10	184	-1.4	16.4
20100209	1200	4.98	10.50	184.1	-5.6	18
20100227	1100	2.59	3.60	184.1	-1.1	39
1/10/2011	1000	1.86	2.70	184.1	-19.5	13
2/14/2012	500	3.36	4.90	184.2	-10	2.7
2/19/2012	100	2.77	5.20	184.2	-8.4	9.7
1/29/2011	2000	4.30	7.00	184.3	-0.7	5
3/27/2011	800	3.35	5.50	184.4	-0.3	7
3/10/2012	2200	2.54	3.70	184.4	-2.6	15.9
20100104	800	2.18	3.30	184.5	-13.4	21
20100225	2200	2.54	3.80	184.5	-11.3	29
20100307	2200	2.50	4.80	184.5	-0.7	15
20100313	600	2.61	3.90	184.5	-8.4	62
2/9/2011	1800	2.41	9.90	184.5	-18.8	25
3/6/2012	1900	3.08	4.40	184.5	2	15.6
20100102	100	4.20	8.50	184.6	-1	11
2/3/2011	2000	1.76	3.00	184.6	-20.6	10
2/15/2011	2000	4.89	6.40	184.6	-0.2	18
3/12/2011	800	2.68	4.90	184.6	1.5	24
20100129	800	0.61	1.20	184.7	-15.6	28

3/16/2011	200	2.03	6.60	184.7	4.6	24
3/16/2011	100	2.78	10.10	184.8	4.4	8
3/9/2012	2100	1.81	3.80	184.8	-4.4	31.8
20100308	100	2.70	5.80	184.9	-1.2	16
1/13/2012	200	1.43	6.40	184.9	-8.8	13.4
20100326	800	5.95	8.70	185.1	0.1	52
20100306	2000	2.95	5.20	185.2	-5.3	58
2/14/2011	700	5.71	7.60	185.2	-3.5	11
1/26/2012	600	2.33	4.90	185.2	-5.5	16.7
3/27/2012	2200	1.72	3.00	185.2	5.9	37.6
3/24/2012	1300	2.51	8.10	185.4	17.7	14.8
20100110	1900	2.23	3.70	185.5	-18.9	16
20100131	800	2.45	4.60	185.5	-14.5	81
20100216	1000	2.68	4.10	185.6	-10.1	117
3/12/2011	400	4.94	7.20	185.6	-3.3	11
2/23/2012	2100	3.44	6.10	185.7	-14.9	6.8
20100320	600	2.01	2.90	185.8	-17.5	25
2/28/2012	100	3.12	5.30	185.8	-5.1	21
3/13/2012	2000	3.19	7.80	185.8	4.1	24.7
20100214	1700	2.44	4.40	186	-17	37
2/14/2011	400	6.89	10.20	186	-3.1	7
1/30/2011	1100	3.49	7.40	186.1	4.6	10
2/2/2011	600	1.91	2.80	186.1	-38.3	6
2/23/2011	1500	7.24	12.90	186.1	2	14
20100107	1600	2.77	3.80	186.2	-29.7	68
20100121	800	2.93	7.10	186.2	-7	70
2/2/2011	200	0.76	1.90	186.2	-37.5	0
1/2/2012	2300	3.27	6.90	186.2	2	
2/1/2012	2000	2.40	4.00	186.2	-4.9	25.8
3/11/2012	300	1.34	2.50	186.2	-5	14.1
2/25/2011	600	4.42	6.10	186.3	-8.4	17
2/25/2011	2100	5.98	9.80	186.3	-4.8	9
3/11/2011	2200	5.58	7.40	186.3	-0.9	25
2/2/2012	700	0.89	1.50	186.3	-7	35.4
2/5/2012	1900	2.48	5.40	186.4	-10.8	8.2
3/24/2011	0	7.21	11.10	186.6	-3.2	14
2/4/2012	2300	1.34	2.10	186.6	-11.7	9.9

1/5/2012	1600	3.43	8.70	186.9	6.7	23.9
2/27/2012	1100	8.99	15.60	186.9	4	16.2
20100108	1400	0.71	2.10	187	-15.4	53
20100118	200	4.01	5.10	187	-10.2	6
3/18/2012	0	3.82	6.00	187.3	0.5	8.5
2/14/2011	300	4.33	7.30	187.4	-6.1	4
1/29/2012	1900	5.29	9.20	187.4	0.9	6.9
2/6/2012	100	1.06	2.50	187.4	-16.6	10.4
20100105	200	2.62	4.90	187.5	-5.8	10
3/21/2012	2000	2.22	3.60	187.5	-0.4	19.6
20100304	400	1.52	3.40	187.6	-9.9	26
1/20/2012	2300	4.30	10.60	187.6	-1.5	17.6
20100307	900	1.85	2.90	188	-2.3	58
20100116	1700	2.94	5.60	188.2	0.3	18
20100122	400	5.81	9.20	188.2	-3.3	54
1/15/2012	1600	6.42	9.90	188.2	4	4.8
2/8/2012	0	1.69	3.00	188.2	-14.2	8.3
20100303	700	5.00	7.60	188.4	-9.1	86
1/31/2012	2100	1.64	4.90	188.4	-2.1	7.9
20100109	1700	0.75	2.40	188.5	-16.8	30
1/16/2012	200	4.93	7.60	188.7	-2.2	6.8
3/11/2011	2100	6.04	8.10	188.8	-1	25
2/16/2012	500	2.39	4.70	188.8	-18.3	9.6
20100203	2300	7.68	11.50	188.9	-3.1	23
1/29/2011	1900	4.16	8.40	188.9	-0.3	17
3/9/2012	1000	1.98	4.30	188.9	5.5	-0.3
3/22/2012	700	1.66	3.00	188.9	1.7	10.5
3/28/2012	400	2.63	4.30	188.9	-3.8	30.1
3/17/2012	1600	4.98	12.20	189	15.7	16.1
3/25/2012	1400	7.94	14.50	189	18.5	15.6
20100120	1200	1.17	2.10	189.1	-4	29
3/12/2012	2100	3.77	6.20	189.1	-1.7	15.4
20100130	1800	2.17	3.60	189.3	-11.9	48
3/2/2011	400	3.71	5.70	189.4	-6.2	9
2/14/2011	900	2.60	4.30	189.6	0.4	15
20100202	600	2.69	5.20	189.8	-10.9	17
20100304	2300	6.39	10.10	189.8	-1.1	61

20100320	700	2.08	3.30	189.8	-15.1	12
2/16/2012	900	1.83	4.00	189.8	-8.2	24.9
20100216	900	2.16	3.80	189.9	-17	142
20100216	1100	1.98	3.20	189.9	-7	104
1/31/2011	300	6.17	8.50	189.9	-3.6	9
1/16/2012	600	4.59	7.30	190	-5.3	14.6
3/13/2012	500	4.87	7.10	190	-0.4	12.7
20100130	1900	2.42	3.60	190.1	-12.7	26
3/17/2012	400	4.06	5.90	190.1	5.4	13.3
20100107	1500	1.70	3.60	190.2	-25.6	47
20100129	2000	0.98	2.00	190.2	-13	30
20100312	2300	3.24	5.10	190.2	-4.5	19
3/22/2012	300	1.45	3.00	190.2	-5.1	11.5
20100315	1100	0.94	3.00	190.3	1.7	12
1/12/2011	600	4.16	5.50	190.3	-17.2	8
3/19/2011	700	4.72	7.90	190.3	4.5	24
2/15/2011	1900	5.78	8.50	190.4	1.1	23
1/12/2012	2300	3.78	6.00	190.5	-12.5	7.4
1/16/2012	300	4.42	6.20	190.5	-2.6	6
2/11/2012	2100	4.84	6.80	190.6	-5.3	7.1
20100227	900	2.33	4.50	190.7	-4.8	19
20100312	2200	1.90	4.00	190.9	-4.7	17
3/16/2012	2000	2.68	4.60	190.9	2.9	9.1
2/24/2011	600	3.19	5.40	191	-9	2
20100128	2000	0.55	1.30	191.1	-7.3	13
20100302	1800	2.13	3.70	191.1	-3.6	35
2/24/2011	700	2.26	4.60	191.1	-8.6	5
3/7/2012	600	3.11	6.00	191.1	-5	7.3
3/2/2011	0	1.90	4.70	191.2	-5	29
3/17/2011	100	2.54	9.00	191.2	1.9	11
20100204	0	8.55	14.40	191.3	-2.6	28
20100307	600	4.07	5.70	191.4	-5	9
3/25/2011	2100	3.81	5.40	191.4	-3.5	-10
20100320	500	2.24	3.10	191.5	-18.5	26
2/6/2011	2100	1.71	2.50	191.6	-21	5
3/12/2011	600	3.01	4.80	191.6	-5.1	10
3/8/2012	2000	2.84	4.80	191.6	-6.6	12

20100215	2200	1.18	2.60	191.7	-18.9	31
20100330	100	4.28	7.30	191.7	3.1	12
3/12/2011	700	2.00	3.90	191.7	-2	19
2/1/2011	2000	2.12	3.10	191.8	-34.4	13
20100317	800	1.48	3.30	191.9	3.5	38
3/21/2011	600	4.86	7.90	191.9	1.8	25
1/21/2012	100	4.08	9.00	191.9	1.7	15.1
20100114	800	0.92	2.00	192	-17.3	128
3/21/2011	700	5.88	9.30	192	4.7	24
20100328	100	2.78	4.00	192.1	-5.5	18
1/7/2011	2000	2.00	3.40	192.1	-7.6	5
20100113	1200	1.41	2.80	192.3	2.2	14
1/21/2012	200	3.46	8.90	192.3	1.9	13.1
20100107	0	2.19	4.00	192.4	-32.4	4
20100313	0	2.53	4.00	192.4	-4.9	17
20100120	300	4.13	7.20	192.5	-9.8	8
2/2/2011	700	1.47	2.10	192.6	-37.7	3
1/17/2012	700	6.03	12.10	192.6	-16.4	5.1
2/17/2012	2000	2.15	4.00	192.6	-11.5	4
3/9/2012	900	1.99	3.90	192.6	2.6	10.1
20100121	2100	5.26	8.30	192.7	-8.2	26
2/4/2011	1400	0.55	1.60	192.7	-4.3	19
2/12/2012	500	1.00	2.20	192.7	-12.6	12
20100309	2100	2.14	3.50	192.8	-5.4	12
1/31/2012	600	5.14	8.30	192.8	-7.5	7.2
20100110	1800	2.16	4.40	192.9	-17.2	42
20100204	1900	1.47	2.70	192.9	-7.1	18
3/6/2011	1200	6.34	9.10	192.9	2	18
2/15/2012	2300	2.62	4.50	192.9	-10.5	9.1
3/28/2011	400	2.13	3.60	193	-3.4	12
1/26/2012	700	2.96	7.50	193	-4	14.3
20100227	2200	6.02	8.80	193.1	-3.1	29
2/9/2011	800	1.79	2.90	193.3	-32.2	6
3/18/2011	1800	4.00	6.50	193.3	2.8	44
2/14/2011	800	5.07	6.40	193.5	-1.7	13
20100320	400	2.54	3.70	193.6	-17.6	15
3/12/2012	2200	3.37	5.80	193.6	-0.6	14.5

20100104	100	1.41	2.80	193.7	-19.5	5
20100209	100	1.68	2.40	193.7	-27.6	18
2/24/2011	500	3.33	4.70	193.7	-8.5	9
3/2/2011	100	2.89	3.80	193.7	-5.4	26
2/29/2012	800	5.61	11.60	193.7	-4.1	15
20100320	200	1.55	2.20	193.8	-17.7	29
3/15/2011	2000	4.59	8.00	193.8	3.4	10
3/20/2012	1000	1.70	5.00	193.8	-0.3	5.6
20100204	500	0.85	2.60	193.9	-5.3	9
20100326	700	4.78	7.50	193.9	-1.2	75
3/11/2012	400	1.98	3.10	193.9	-6	12.7
20100127	500	4.64	9.10	194	-5.8	24
1/30/2011	1000	2.26	4.50	194	3.5	12
3/24/2012	800	2.35	4.80	194	8.5	13.1
3/3/2011	100	1.83	6.50	194.1	2.6	5
3/27/2011	0	2.80	4.40	194.1	-2.5	-7
20100307	700	3.04	5.70	194.5	-6.3	13
20100111	700	1.89	3.10	194.6	-20.2	28
3/25/2012	2300	4.90	10.10	194.6	7.3	15.7
2/2/2011	1100	0.38	1.40	194.8	-22.2	4
2/6/2011	1900	2.82	4.40	194.8	-19.3	7
20100112	400	2.69	5.40	194.9	-6.7	16
2/19/2011	1800	4.68	10.20	195	3.9	12
3/20/2012	2100	3.87	5.30	195	-0.9	5.2
20100324	2000	1.33	2.00	195.1	-6.6	36
20100320	800	2.32	4.40	195.2	-12.9	29
1/7/2011	2200	3.42	5.90	195.2	-5.2	6
3/19/2012	400	3.53	5.10	195.2	-7.8	3.3
3/27/2012	700	5.52	9.20	195.2	2.6	17.5
3/31/2012	2300	4.46	6.30	195.2	6.3	13.6
20100120	2000	2.02	3.70	195.3	-11.3	32
1/8/2012	2300	2.80	3.90	195.3	-11.7	5.7
3/12/2012	2000	2.87	4.60	195.3	-1	19.9
20100102	300	6.93	10.20	195.4	-2.1	25
20100122	300	4.86	9.20	195.4	-3.1	23
2/4/2011	200	1.06	2.50	195.4	-24.7	38
3/18/2011	2200	2.99	6.90	195.4	-0.3	19

3/20/2011	1400	7.69	11.40	195.4	11.2	14
3/28/2012	800	3.02	8.00	195.4	9.2	19.7
3/25/2012	500	2.90	5.10	195.5	-0.7	13.6
20100202	400	3.52	5.00	195.6	-11.9	7
2/15/2012	1000	1.70	3.40	195.6	-7.7	17.5
20100303	1900	1.34	3.60	195.7	-0.8	23
3/26/2012	0	6.24	8.80	195.7	8.5	23.7
2/14/2011	100	2.12	3.80	195.8	-6.6	7
3/28/2011	500	1.47	3.40	195.8	-3.6	9
2/25/2012	200	4.55	10.30	195.8	-2.7	2
20100223	1900	2.31	5.30	196	-14.4	31
2/2/2011	100	0.54	1.60	196	-37.6	3
20100303	900	4.40	7.20	196.3	0.1	64
20100328	2000	3.28	6.60	196.3	2.6	36
3/6/2012	600	6.97	10.60	196.3	2.8	15.8
3/13/2012	300	3.23	5.80	196.3	-1.4	13.5
20100103	1500	0.54	1.50	196.4	-4.3	7
20100317	700	1.00	3.10	196.4	-0.3	57
2/15/2011	2300	4.43	9.50	196.4	1.9	4
3/19/2011	800	7.26	18.20	196.4	8.3	19
2/5/2012	200	0.65	2.20	196.4	-13.1	3.4
3/5/2012	2300	3.55	7.60	196.4	2.4	5.1
20100117	200	3.36	5.70	196.5	-2	34
3/28/2011	0	4.01	5.60	196.7	-4.6	19
1/15/2012	200	6.26	17.00	196.7	1.6	7.7
3/26/2012	100	4.88	6.70	196.7	7	15.5
3/28/2012	1900	3.70	4.60	196.8	7.7	48.6
20100126	1000	2.23	3.80	197	-6.4	62
20100202	700	4.60	6.80	197	-13.8	27
3/23/2012	1000	2.10	6.10	197	16.9	5.8
2/11/2012	2200	5.31	6.70	197.1	-6.4	6.5
2/15/2012	1100	2.13	3.50	197.1	-5.5	21.2
2/28/2012	700	2.69	4.40	197.1	-3.6	25.6
20100206	1200	3.53	9.10	197.2	1	43
20100224	700	2.94	4.90	197.2	-9.3	153
3/20/2011	1900	5.24	8.80	197.2	7	37
3/21/2011	1900	2.50	5.20	197.2	8	30

20100129	100	1.67	3.10	197.3	-7	9
3/25/2012	600	2.93	5.40	197.3	-0.8	13.8
1/5/2011	400	5.72	12.40	197.4	-6.6	9
1/30/2011	800	2.27	3.70	197.4	-1.6	16
2/15/2011	2100	5.30	8.90	197.4	-0.2	21
3/20/2011	500	3.81	6.90	197.4	-5.5	19
1/18/2011	2200	4.77	8.00	197.5	-1	7
3/15/2012	2200	2.71	4.40	197.5	0.4	20.5
20100330	2000	5.85	8.60	197.7	6.1	80
20100312	200	4.25	8.50	197.8	-7	15
20100216	400	1.61	2.20	197.9	-23.8	23
20100131	100	2.98	4.30	198	-11.2	20
20100209	400	1.11	3.00	198	-28.4	6
3/18/2012	1500	11.83	20.90	198	11.9	111.5
20100227	2300	3.80	6.10	198.1	-3.2	27
1/12/2012	600	2.20	7.40	198.1	-18.2	20.2
1/23/2011	300	1.98	4.20	198.3	-13.6	0
20100108	100	1.30	2.60	198.4	-36.3	18
2/9/2011	1300	0.27	0.90	198.4	-11	11
2/16/2012	2300	4.06	8.40	198.4	-7.5	6.7
3/6/2012	400	4.76	11.90	198.5	3.2	11.6
20100216	600	0.68	1.70	198.6	-22.3	11
1/21/2012	700	4.47	13.80	198.6	2.8	10.8
3/23/2012	900	1.53	3.90	198.6	13.7	19.2
3/26/2012	200	4.42	7.10	198.6	8.1	11.1
3/10/2011	1900	3.20	8.90	198.7	4	17
3/1/2012	1600	3.28	7.50	198.7	-3.6	16.5
1/4/2012	2100	3.79	5.70	198.8	-1	
2/5/2012	900	0.79	2.00	198.9	-5.4	19.7
20100111	0	2.36	3.90	199	-18.5	29
20100117	2200	3.89	6.10	199	-10.1	12
3/13/2012	700	6.89	10.60	199	4	14.1
3/11/2012	0	2.07	3.10	199.1	-4	11.4
20100202	1100	4.21	11.80	199.2	-0.1	15
3/7/2012	700	4.05	8.00	199.2	-4.8	6.3
2/18/2011	2100	3.83	6.10	199.3	-2.3	11
1/5/2012	600	2.85	8.10	199.3	-2.2	

2/18/2012	1800	2.41	4.30	199.4	-6.2	7.9
3/16/2012	600	3.19	6.40	199.4	0.9	15
20100317	2200	3.26	4.50	199.5	-2.7	57
2/26/2011	1000	4.60	11.20	199.5	-2	22
3/24/2011	2000	5.86	13.00	199.6	0.2	31
2/6/2011	2300	2.26	4.70	199.8	-15.3	5
1/9/2012	800	2.24	4.60	199.8	-6.7	10
2/2/2011	300	1.24	2.10	199.9	-37.8	6
3/18/2011	100	3.13	6.30	200	-3.4	28
2/24/2012	2300	3.99	12.60	200.1	-3.9	3.7
3/11/2012	2300	3.88	12.10	200.2	4	19.9
2/28/2011	200	3.71	10.10	200.4	-5.8	7
1/23/2012	100	7.79	13.40	200.4	-4.9	4
3/15/2012	1900	4.22	5.10	200.5	3.7	31.9
3/16/2012	800	6.09	14.30	200.5	10.6	19.2
2/25/2012	100	3.42	7.60	200.6	-3	1.9
3/13/2012	800	5.87	13.10	200.6	7.3	21.8
3/16/2012	1900	4.24	5.50	200.7	4.6	48.9
20100110	1700	1.76	2.90	200.8	-16.6	79
20100113	500	2.98	5.80	200.8	-0.8	24
2/1/2012	200	4.08	5.90	200.9	-9.6	20.2
3/31/2012	100	2.51	8.30	201	4.7	12
1/15/2012	400	4.88	7.60	201.1	-0.9	9.8
1/21/2012	1200	8.92	14.80	201.2	9.9	48.9
3/20/2012	2300	2.58	5.20	201.2	-4.2	11
20100317	2100	2.13	3.20	201.3	-2.4	22
20100320	1900	3.49	5.80	201.4	-6.3	49
1/24/2012	2200	4.38	12.90	201.4	-11.7	15
2/15/2012	2200	1.96	3.80	201.4	-11.3	16.8
3/8/2012	800	1.79	4.20	201.4	-6	11 1
20100227	1200	2.58	4.00	201.5	1.2	32
1/8/2011	0	1.96	4.00	201.5	-4.4	7
3/11/2011	0	4.07	15.20	201.5	5.3	6
20100116	1300	4.23	7.00	201.6	2.9	43
20100126	900	3.54	5.40	201.6	-8.7	160
3/14/2012	0	5.26	7.50	201.7	3.2	8.9
1/15/2012	1700	6.46	10.10	201.8	1.3	8.1

2/11/2012	2300	3.78	5.20	201.8	-7.9	6.3
2/18/2012	500	1.69	4.70	201.8	-13.1	8.5
20100110	500	1.37	3.60	201.9	-17.8	16
20100218	800	0.46	1.40	202.3	-4.3	
2/1/2012	1700	5.06	11.00	202.5	0.7	13
1/17/2012	1800	4.01	8.70	202.6	-12	10.9
2/5/2011	100	4.53	9.10	202.7	-2.3	7
20100228	900	1.58	3.20	202.8	-4.3	55
2/17/2011	2200	3.63	7.60	202.8	-8.2	13
2/20/2011	700	3.16	6.30	202.9	-5.8	31
3/20/2011	1800	4.71	8.90	202.9	7.2	40
1/20/2012	2000	3.71	6.10	202.9	-2.4	12.3
20100107	200	1.77	3.10	203	-35.4	1
1/27/2012	2200	3.19	6.50	203	-14.6	14.3
3/14/2012	600	2.60	5.30	203	-0.8	32.2
2/5/2012	100	2.33	3.30	203.1	-13.2	2.3
3/26/2012	900	3.54	11.10	203.1	11.6	36.1
20100306	1900	1.69	2.30	203.2	-5	44
2/1/2012	1900	3.09	4.20	203.3	-5.2	38.4
3/10/2012	2300	2.21	4.50	203.3	-3.3	14.4
3/27/2012	2300	2.81	5.10	203.3	6.2	32.5
1/4/2012	0	4.26	6.50	203.4	-5.6	
2/5/2012	2000	1.01	2.20	203.5	-13	7.1
3/27/2012	2100	0.87	2.60	203.5	4.2	27.4
2/1/2012	0	2.12	3.60	203.6	-9.6	11.6
3/25/2012	700	4.96	7.40	203.6	4.8	24.5
3/28/2012	200	2.72	5.00	203.6	-0.8	22
20100307	1100	0.53	1.50	203.7	5.3	-1
2/8/2012	600	4.72	9.50	203.7	-5.5	12
20100108	1500	0.96	2.20	203.8	-17.7	82
2/19/2012	700	1.63	3.40	203.8	-13.6	54.8
20100119	100	2.35	4.70	203.9	-11.4	31
20100121	100	1.92	4.00	203.9	-14	7
3/17/2012	1500	4.83	9.10	203.9	17.1	16
20100115	2200	3.59	5.20	204	-9.1	14
1/14/2012	1700	4.89	8.20	204	4	7.2
20100130	100	0.59	2.10	204.1	-15.8	19

20100216	700	0.87	2.20	204.1	-23.9	31
20100202	2100	2.57	5.20	204.2	-5.9	20
20100305	200	5.75	9.00	204.2	-2.9	44
20100216	300	2.48	4.20	204.3	-25.3	24
3/25/2011	1400	8.68	12.60	204.3	4.4	21
2/8/2012	2100	3.97	5.80	204.5	-2.7	8.3
20100129	2200	1.01	3.70	204.6	-16.4	12
3/2/2012	0	1.69	4.10	204.6	-11.8	3.5
2/15/2011	1400	5.95	11.50	204.7	7.9	38
2/15/2011	1700	3.85	7.50	204.7	3	13
20100202	2000	3.97	5.20	204.9	-5.2	36
20100316	800	1.77	3.40	204.9	0.6	58
20100330	2100	5.62	7.70	205	6.7	82
1/19/2012	1500	6.84	13.80	205	6.5	9.7
3/8/2012	700	1.51	2.50	205	-9.1	14
2/18/2011	1000	3.92	13.30	205.1	1.6	66
3/14/2011	100	3.44	5.30	205.1	-4.4	3
1/16/2012	700	4.22	8.10	205.1	-3.2	11.9
AVERAGE	M/S	3.47	5.89	122.16	-6.20	17.07
1/14/2011	1000	1.01	2.40	205.3	0.7	46
3/13/2011	400	1.28	2.50	205.3	-2.7	7
20100221	400	1.16	2.10	205.4	-16.5	18
20100320	100	1.24	2.50	205.4	-17.7	12
2/5/2012	1800	0.98	3.50	205.5	-9.1	11.2
20100120	1800	1.28	3.20	205.6	-8.7	36
2/9/2011	700	1.13	3.00	205.6	-33.6	3
1/10/2012	1900	6.81	10.80	205.8	0.1	11.8
2/28/2012	900	1.96	5.00	205.8	-1.8	11.1
3/6/2012	1800	4.62	8.20	205.8	4.3	22.1
3/28/2012	700	1.71	3.30	205.8	5.3	46.4
20100209	0	1.36	2.80	205.9	-27.7	11
3/1/2012	2300	1.98	4.20	205.9	-10.8	5.3
3/14/2012	800	5.16	8.90	206.2	8.4	25.9
20100112	1900	4.48	9.90	206.3	-2.5	12
20100211	200	2.42	5.10	206.3	-9.3	29
3/21/2011	1300	9.34	17.60	206.4	15.8	13
20100130	2200	1.87	3.10	206.5	-15.1	26

20100303	2100	2.70	4.10	206.5	-3.9	54
1/28/2011	1800	3.55	7.30	206.5	2.9	29
3/10/2011	2300	4.74	9.30	206.6	4.7	7
20100116	1000	1.91	7.30	206.7	0.1	27
1/23/2012	600	3.94	12.50	206.7	-5.4	5.6
20100224	1300	4.96	9.50	206.8	-0.4	37
1/10/2011	700	2.04	2.90	206.8	-21.3	10
3/1/2011	2200	5.16	7.80	206.8	-1.5	9
20100118	0	3.08	4.70	206.9	-7.6	13
20100130	0	1.29	2.70	207	-15.4	32
20100130	500	0.64	2.20	207	-16.4	22
3/25/2011	1300	9.32	14.40	207	4.5	21
20100107	1100	1.71	2.50	207.1	-28.1	65
20100218	200	3.08	6.40	207.1	-4.2	27
1/5/2012	2200	4.12	8.10	207.1	2	7.6
3/27/2012	0	3.09	8.40	207.1	1.7	17.4
1/30/2011	900	2.50	3.80	207.2	1.2	26
3/25/2011	100	3.79	7.90	207.2	-1.5	10
3/19/2012	300	2.65	4.60	207.3	-6.1	4.1
2/25/2012	600	3.04	4.80	207.5	-4.6	5.7
3/27/2011	2300	2.72	5.30	207.6	-4.7	6
20100303	100	2.74	3.90	207 7	-7.3	44
3/12/2012	1900	4.61	6.00	207.7	1.1	28.2
20100119	1000	1.65	5.20	207.8	-0.4	39
2/8/2011	2100	2.33	3.70	207.8	-26.8	5
20100107	1000	1.34	2.40	207.9	-30.5	51
3/19/2012	600	3.67	5.80	207.9	-7.2	13.5
20100221	100	1.67	3.00	208	-13.3	24
20100304	700	1.56	3.20	208	-11.5	127
1/26/2011	100	0.97	1.60	208	-6.2	7
2/2/2011	400	1.65	2.50	208	-38	3
20100107	1200	1.11	2.10	208.1	-25.1	63
3/27/2011	2100	1.95	4.00	208.1	-3.4	10
1/10/2011	1800	2.61	3.90	208.2	-22.2	14
2/4/2011	100	1.09	1.90	208.2	-24.5	13
3/31/2012	1800	4.91	6.80	208.2	13	26
1/16/2012	100	5.66	12.90	208.3	-0.4	9.1

3/22/2012	2100	2.72	5.40	208.3	-1	19
20100112	2200	3.85	8.00	208.4	-3.1	31
1/5/2012	700	4.41	7.70	208.4	1	
20100111	1000	2.40	4.70	208.5	-10.3	18
2/14/2011	200	2.71	5.00	208.5	-7.9	4
20100203	1000	0.92	2.20	208.6	-6.6	45
20100219	400	0.61	1.00	208.6	-15.8	12
2/8/2011	1700	1.89	4.20	208.6	-18.8	6
2/27/2011	600	2.88	7.00	208.6	-3	27
3/20/2011	700	4.32	9.00	208.6	1.7	33
20100123	900	4.98	10.10	208.8	-4.6	26
3/11/2011	300	2.79	9.10	208.8	4	14
20100105	100	3.41	4.50	208.9	-4.9	13
3/28/2012	300	2.59	3.80	208.9	-2.2	23.9
2/17/2012	700	4.43	9.00	209	-6	21.6
3/28/2012	2100	3.48	4.30	209	5.6	22.3
1/10/2012	400	0.70	2.20	209.2	-13.1	4.6
1/15/2011	1800	3.10	6.30	209.3	-0.8	25
2/25/2012	800	7.19	12.30	209.3	0.4	21.3
1/28/2011	2000	6.19	7.50	209.4	0.7	7
2/10/2012	100	1.42	3.90	209.4	-10.7	13.7
3/26/2012	300	4.13	7.60	209.4	7.6	13.7
1/17/2012	600	7.12	12.30	209.5	-15.3	17.9
20100114	1700	2.22	4.00	209.6	-12	68
20100303	2200	1.26	2.50	209.8	-4.7	18
1/11/2011	2000	4.66	6.90	209.9	-16.9	4
3/31/2012	800	3.77	6.60	209.9	13.1	13.6
3/12/2012	400	4.55	7.80	210.1	1.3	20
20100105	1700	7.89	11.00	210.2	-0.7	47
20100318	900	1.98	2.90	210.2	3.5	42
2/24/2012	2200	4.17	6.70	210.2	-4.7	6.8
20100107	2100	0.88	1.90	210.3	-36.2	28
20100219	1100	1.70	2.60	210.3	-13.9	23
1/29/2011	300	5.67	8.60	210.4	1.7	5
1/29/2012	1800	6.41	12.50	210.4	1.8	8.7
2/15/2012	2100	2.04	3.30	210.4	-13.2	19.8
20100202	1900	4.42	5.90	210.5	-3.8	43

1/26/2012	800	6.24	9.70	210.5	-0.7	7.9
2/18/2011	0	2.66	5.10	210.6	-8.3	6
2/6/2012	0	1.09	2.30	210.6	-16	12.8
20100317	2000	1.70	3.60	210.7	-0.7	10
20100330	200	6.62	17.90	210.8	7.3	34
1/28/2011	600	5.95	8.70	210.8	-0.2	10
3/17/2012	1700	4.66	7.60	210.8	13	24.5
3/20/2012	600	1.53	3.60	210.8	-7.9	15.8
1/13/2011	2000	3.67	8.20	211.1	1.5	5
20100116	800	4.73	7.80	211.2	-3	37
20100228	600	1.77	3.20	211.2	-6.6	54
20100118	1900	3.22	6.50	211.3	-4.4	34
20100325	900	3.61	7.70	211.3	2.1	
1/3/2011	0	4.03	8.60	211.3	-6.7	5
3/13/2012	2200	4.14	7.30	211.4	5.4	23.9
20100218	2100	2.04	4.10	211.5	-12.5	11
2/18/2012	700	3.87	7.50	211.5	-10.8	9.5
3/31/2012	2200	4.31	7.10	211.6	7.5	12.5
20100328	1900	5.64	10.50	211.7	2.9	29
3/6/2012	1700	4.81	7.10	211.7	6.9	73.2
20100108	200	1.04	3.50	211.8	-36.7	13
20100325	1200	5.87	11.80	211.8	6.3	
2/29/2012	1000	8.62	14.50	212	-1.5	19.6
3/27/2012	1900	3.20	4.90	212.1	6.5	41.9
20100107	800	1.27	2.80	212.2	-36.8	35
3/24/2011	2200	3.94	8.20	212.2	-1.2	4
3/15/2012	200	1.34	3.50	212.3	-1.7	13.7
1/13/2011	1500	6.99	11.40	212.4	1.6	8
2/3/2011	1900	1.34	3.20	212.4	-18.5	17
2/14/2011	1000	2.20	4.10	212.6	3.1	17
1/21/2012	1600	4.91	12.80	212.6	4.5	7.8
3/28/2012	2200	1.97	4.60	212.6	2.4	26.1
1/16/2012	400	3.49	6.20	212.7	-3.5	4.9
20100117	300	4.29	7.20	212.8	-3	18
2/9/2012	2300	1.28	3.10	212.8	-10.9	4
2/12/2012	100	2.12	4.60	212.9	-11.2	-1.5
20100326	900	4.73	8.40	213.1	2.1	29

3/13/2012	1900	2.83	5.00	213.1	3.3	19.3
1/28/2011	1900	3.97	6.40	213.3	1	8
3/1/2011	2300	3.59	6.40	213.3	-2.4	26
2/12/2012	600	0.39	1.50	213.3	-12.2	32
2/17/2012	600	4.50	9.60	213.3	-6.4	12.4
2/13/2011	600	3.95	16.30	213.4	1.1	5
1/15/2012	1900	3.33	5.60	213.5	-1	8.9
3/25/2012	800	5.17	7.20	213.5	12.1	17.9
20100110	1600	1.33	2.90	213.6	-12.7	37
20100120	1300	0.99	2.30	213.6	-3.2	39
20100209	1600	3.28	10.90	213.6	-4.2	32
2/28/2011	400	4.83	10.10	213.6	-4.7	11
20100111	600	1.71	4.10	213.8	-21.5	19
20100117	2100	3.19	6.90	213.8	-7.9	8
20100328	200	3.74	5.50	213.8	-5.1	28
1/15/2012	2000	5.50	9.90	213.8	-2.5	15.1
1/21/2012	1700	7.50	19.20	213.8	3.7	9.6
3/28/2012	100	2.83	4.30	213.8	1.3	39.5
20100215	1800	2.30	4.10	213.9	-15	35
3/5/2012	100	4.86	11.30	213.9	2	22.3
1/4/2011	100	2.74	6.50	214	-14.4	8
2/13/2011	300	4.50	14.00	214.1	1	53
20100320	1800	1.37	3.10	214.2	-5	22
1/15/2011	1000	6.73	13.30	214.2	1.2	74
2/17/2012	100	3.72	6.90	214.3	-7.9	5.4
2/4/2011	1800	3.43	4.90	214.4	-4.3	12
1/6/2012	800	5.14	8.70	214.4	1.9	13.2
20100105	1800	6.94	9.10	214.5	-0.7	41
2/6/2012	700	1.49	2.70	214.5	-17	19.9
3/7/2011	800	2.15	4.30	214.6	-6.1	-25
3/28/2012	0	2.16	4.30	214.6	4.8	32
3/17/2012	1800	4.31	7.20	214.8	7.5	90.3
3/13/2011	2200	4.67	8.50	215	-3	5
2/17/2012	200	4.91	9.00	215.1	-7.7	5
20100228	800	2.39	3.20	215.2	-6	58
20100329	1800	1.86	4.60	215.2	7.7	37
20100314	200	3.27	6.40	215.4	-1.3	20

20100315	1800	1.31	2.70	215.4	0.4	47
2/17/2011	2100	3.94	6.10	215.4	-8.2	16
3/15/2011	1900	2.58	4.60	215.4	4.1	37
20100101	300	7.25	11.00	215.5	-6.6	33
20100127	200	4.31	8.00	215.5	-3.7	12
20100114	100	2.30	3.60	215.6	-18	50
2/14/2011	1800	3.35	9.60	215.6	3.7	21
20100122	800	9.88	18.10	215.7	2.5	302
20100204	400	2.07	3.50	215.7	-4.2	7
1/28/2011	500	5.30	8.20	215.7	-0.8	6
3/31/2012	2100	3.99	7.90	215.7	8.2	15.1
1/2/2012	900	4.22	9.70	215.8	1.6	
3/12/2012	1800	3.46	4.90	215.8	4.1	49
2/9/2011	200	1.22	2.10	215.9	-29.5	9
2/8/2012	2200	4.36	7.20	215.9	-3	6.6
3/25/2012	400	3.68	5.30	216	0.2	17
20100102	400	6.82	13.60	216.1	-1.3	17
1/29/2012	2300	4.96	13.30	216.1	2.1	1.1
3/14/2011	200	3.96	6.20	216.2	-3.3	8
1/24/2011	1800	3.85	7.70	216.3	-9.2	17
2/16/2011	2100	4.73	7.30	216.3	1.3	13
1/31/2012	700	5.37	9.00	216.3	-5.8	13.9
2/18/2012	2100	4.08	8.90	216.3	-3.6	11.2
1/20/2011	400	1.35	2.80	216.4	-11.9	8
2/24/2012	2000	6.85	9.60	216.4	-5.3	7.5
1/10/2011	2000	4.21	6.80	216.5	-20.1	14
3/10/2011	300	5.76	12.50	216.6	-0.5	19
2/1/2012	300	4.47	7.80	216.6	-9.8	7.6
20100131	300	3.85	6.80	216.7	-10.5	23
2/18/2011	1900	4.82	9.10	216.7	-1.2	23
3/13/2011	100	3.08	5.40	216.8	-3.4	5
3/26/2012	400	4.61	7.10	216.8	6	14.1
20100107	1400	1.41	2.60	216.9	-24.4	46
20100110	1500	1.49	2.50	216.9	-9.9	61
20100321	2000	4.91	7.70	217	1	33
3/18/2011	1500	7.66	12.00	217	8	41
2/29/2012	900	6.40	15.20	217	-2.6	13.5

2/16/2012	600	1.03	3.80	217.1	-17.1	12.2
20100330	1900	5.84	8.70	217.2	7.7	54
1/2/2011	2200	5.25	8.40	217.2	-8.4	12
1/11/2011	1000	1.68	2.70	217.2	-12.3	42
1/14/2012	0	3.40	12.50	217.2	-5.1	12.8
20100202	300	4.90	7.80	217.3	-10.2	9
3/5/2012	800	6.84	10.40	217.3	4.6	33
1/4/2012	500	5.17	7.60	217.4	-3	
3/14/2012	900	7.07	11.60	217.4	10.4	22.2
20100118	2000	4.44	7.10	217.5	-5.7	26
20100122	500	4.68	7.40	217.5	-5	42
20100224	400	3.12	6.60	217.5	-8.4	16
1/12/2011	900	3.44	7.20	217.5	-6.8	19
20100217	600	0.66	2.50	217.6	-10.1	40
20100321	1800	7.25	10.20	217.6	1.8	29
3/24/2011	2300	3.51	6.80	217.7	-1.2	18
1/19/2012	1600	10.55	15.20	217.7	6.4	10.3
1/6/2011	2100	4.06	11.40	217.8	-2.5	23
1/8/2011	1300	5.43	9.90	217.8	2.4	25
1/13/2012	2300	2.67	6.20	217.8	-7.6	9.1
2/2/2012	300	1.41	2.50	217.8	-6.7	20.9
3/14/2011	0	4.65	8.00	217.9	-2.7	3
1/31/2011	100	2.03	5.40	218	-1.8	10
3/14/2012	1900	4.13	5.60	218.1	3.1	26.1
3/31/2012	400	2.93	6.80	218.1	5.6	14.7
1/30/2011	2300	3.29	5.60	218.2	-1.5	9
3/27/2011	2200	3.01	5.00	218.2	-4.2	14
20100103	1800	2.01	3.40	218.3	-9.7	2
1/4/2012	100	2.50	6.80	218.3	-3.5	
3/6/2012	1000	5.72	13.70	218.3	11.8	0
20100330	2200	4.82	7.60	218.4	6.7	83
1/4/2012	1800	4.91	8.80	218.4	0.4	
3/6/2012	700	9.81	14.60	218.4	5.4	21.2
3/6/2012	900	10.44	15.40	218.4	10	0
20100113	800	5.46	9.80	218.5	-1.9	21
1/20/2011	100	1.28	2.20	218.5	-13.4	7
2/24/2011	900	4.21	7.90	218.5	-2.5	16

3/14/2012	1100	10.01	16.60	218.5	12.7	47.4
2/19/2012	800	2.79	5.00	218.6	-10.9	66.2
20100128	1200	1.75	4.20	218.9	-3.3	22
2/8/2012	700	8.45	14.20	218.9	-4	24.6
20100210	2000	5.36	7.90	219.1	-6.4	36
20100103	1600	0.64	1.70	219.2	-5.5	8
20100105	600	6.68	13.60	219.3	-3.4	33
20100325	1400	7.32	11.90	219.3	7.5	50
1/16/2011	600	6.09	8.90	219.3	-3.5	6
3/4/2012	2100	3.40	8.10	219.4	-0.5	18.8
3/6/2012	800	10.51	14.90	219.5	8.4	21.4
3/26/2011	1800	3.25	5.90	219.6	-1.2	16
3/28/2011	200	2.61	4.00	219.6	-4.9	15
20100110	1400	1.98	2.80	219.7	-8.7	67
2/17/2011	2300	5.22	8.70	219.7	-7.6	9
20100224	2200	5.83	8.50	219.8	-5.2	16
3/14/2012	2000	4.62	7.30	219.8	2.6	17
1/5/2012	1700	5.55	9.60	219.9	3.9	27.9
3/21/2012	0	3.95	5.30	219.9	-4.9	6.4
1/21/2012	1100	9.41	17.20	220	8.7	31.8
3/6/2012	200	3.00	5.30	220	1.7	3.8
2/16/2011	1800	9.78	14.90	220.2	3.8	22
2/19/2012	900	3.55	4.90	220.2	-5.4	43.2
20100320	2000	3.66	7.60	220.3	-6.7	26
20100321	2200	5.88	10.00	220.3	2.3	58
1/27/2012	2300	6.87	9.30	220.3	-11.7	1.1
2/12/2011	1000	4.60	10.00	220.4	0.4	91
3/21/2012	100	4.29	5.70	220.4	-4.6	6.8
20100329	700	6.17	10.60	220.6	5.3	29
1/20/2011	1700	10.77	16.40	220.6	-5.5	33
1/28/2011	2100	4.58	7.60	220.6	0.8	5
3/24/2011	1300	8.65	16.40	220.6	7.5	3
20100118	1800	4.56	9.10	220.7	-2	8
1/29/2012	2200	2.75	7.90	220.8	1.5	5.9
2/27/2012	1400	10.49	15.80	220.8	6.3	14.8
20100224	1400	5.14	10.30	220.9	-0.7	49
20100224	2100	5.84	9.70	220.9	-3.8	14

2/16/2011	500	3.97	8.00	220.9	1.8	14
1/2/2012	1800	4.99	8.70	220.9	1.6	
20100201	700	3.62	6.40	221	-9.7	25
2/16/2011	2200	5.51	7.70	221	1.4	10
3/25/2011	700	5.24	10.20	221.1	2.7	30
20100303	1100	6.10	9.40	221.2	3.2	30
20100325	1300	6.98	11.20	221.2	7.3	38
3/16/2011	2100	5.78	8.10	221.2	6.7	14
1/15/2012	1300	9.84	15.60	221.2	8.1	31.9
1/22/2012	2000	7.22	13.00	221.2	-6	8.1
3/21/2012	200	3.13	4.90	221.2	-5.4	6.2
20100107	500	0.60	1.50	221.3	-38.1	12
20100202	1800	2.98	4.90	221.3	-3.1	36
1/2/2012	2000	6.93	10.20	221.3	3	
20100119	2200	3.84	6.70	221.4	-9.9	22
3/18/2011	200	1.48	2.80	221.4	-3.6	15
1/15/2012	2100	5.38	10.80	221.4	0	7.6
1/25/2012	1700	5.58	12.30	221.4	2.7	13.2
20100209	2000	2.43	5.60	221.5	-8.7	72
2/29/2012	1100	8.86	16.40	221.5	-0.3	17.1
20100127	300	3.48	8.80	221.6	-4.5	13
1/28/2011	2200	2.11	4.40	221.6	0.1	7
20100201	400	1.69	5.40	221.7	-6.9	8
2/8/2011	2000	1.70	2.80	221.7	-27.3	7
1/21/2012	1300	12.20	23.80	221.7	8.9	133.3
20100325	1100	4.87	10.40	221.8	5.4	
20100325	1500	7.31	10.60	221.8	6.7	30
2/13/2011	2100	4.48	7.60	221.9	-1.4	22
20100117	400	3.92	6.30	222	-4	40
1/10/2011	1600	1.81	4.50	222	-20.7	18
1/20/2011	600	0.95	2.40	222	-14.6	4
3/14/2012	300	2.60	5.70	222	1.4	14.8
20100129	1900	2.14	3.10	222.1	-12.6	24
2/29/2012	2000	2.57	9.10	222.1	-2.2	12.7
3/30/2012	2200	1.97	4.20	222.1	6.8	17.9
20100227	1900	3.09	9.10	222.2	-4.7	10
2/17/2011	2000	3.24	4.80	222.2	-7.2	15

2/18/2011	1800	6.69	9.40	222.2	-0.5	25
2/28/2011	700	5.72	12.20	222.2	-4.4	31
1/4/2012	2000	4.60	7.90	222.2	0.4	
2/12/2012	2300	1.56	2.40	222.2	-2.6	6.2
1/20/2011	1800	6.22	12.90	222.3	-5.6	46
2/16/2011	2000	7.03	10.30	222.3	2.4	15
3/18/2012	2300	5.85	10.40	222.3	-2	7.4
2/15/2011	2200	6.05	9.20	222.4	2.2	13
1/26/2012	900	7.59	10.70	222.4	1.8	19
1/21/2012	300	5.19	17.60	222.5	2.1	9.9
20100305	300	5.04	8.40	222.6	-4.1	64
3/16/2011	2000	7.08	9.80	222.6	8.3	9
3/28/2011	700	2.80	5.40	222.6	-3.2	8
1/6/2012	700	4.24	6.90	222.6	-0.7	21.4
20100227	100	3.60	7.70	222.7	-10.5	18
1/10/2012	900	5.23	11.40	222.7	3.3	37.6
2/4/2012	100	2.37	3.70	222.7	-10.5	9.9
20100326	600	4.65	8.50	222.8	-2.5	41
1/2/2012	2200	6.09	10.90	222.8	3.6	
3/13/2012	1100	10.97	17.70	222.9	12.6	36.1
20100303	1200	6.05	8.30	223	3.5	19
2/11/2012	1000	1.29	5.40	223	-4.9	34
3/14/2012	100	5.39	7.60	223	1.9	8.2
1/19/2011	2000	0.84	2.50	223.1	-10.9	16
1/15/2012	1500	9.86	15.90	223.2	7.6	15
3/18/2012	2200	6.47	11.40	223.2	-0.7	8.2
20100321	2300	4.58	11.50	223.3	2.8	57
1/13/2012	0	2.98	7.20	223.3	-10.6	5.8
20100114	1000	1.45	2.30	223.4	-11.9	89
2/7/2011	200	5.51	6.90	223.4	-14.7	-1
3/1/2011	1700	4.59	6.40	223.4	3.4	
1/19/2012	1700	9.88	14.10	223.4	5.5	11.1
3/31/2012	900	5.03	10.90	223.4	15.7	14.6
2/25/2011	1500	3.31	6.30	223.5	-3.1	11
3/14/2011	900	3.45	6.20	223.5	5.8	62
3/14/2012	1000	8.02	12.10	223.5	11.4	26
3/14/2012	1200	10.56	16.40	223.5	13.6	41.6

3/26/2012	500	4.20	6.80	223.5	3.7	19.3
1/5/2012	800	5.48	10.30	223.6	3.7	
2/25/2012	0	5.71	10.70	223.6	-3.3	3.9
2/29/2012	1700	6.02	14.70	223.6	-0.7	17.4
3/31/2012	500	3.03	4.70	223.6	2.5	13
20100113	2100	2.13	4.30	223.7	-12.2	16
20100123	300	3.49	8.50	223.7	-7.1	6
20100224	1600	4.28	6.10	223.7	-1.3	12
1/19/2011	2100	1.38	2.40	223.7	-10.6	15
1/26/2011	0	0.67	1.80	223.7	-6.3	11
1/15/2012	700	9.14	12.70	223.7	1.8	15.1
3/21/2011	1600	7.33	15.40	223.8	14.3	56
2/27/2012	1300	11.33	16.40	223.8	6	15.2
3/6/2012	1100	7.15	18.40	223.8	12.2	28.3
20100112	1700	2.40	6.00	223.9	1.3	31
1/4/2012	1700	5.14	8.80	223.9	1.9	
1/23/2012	800	1.39	4.20	223.9	-3.3	19.9
1/31/2012	800	7.28	12.80	223.9	-2.4	16.4
3/23/2012	1100	2.63	6.70	223.9	18.4	9.3
20100127	600	6.26	10.10	224	-6.8	33
20100131	400	2.27	4.90	224	-13.4	17
1/16/2011	500	5.30	8.10	224	-4.6	3
20100201	500	2.00	5.30	224.1	-7.5	14
20100226	2200	4.42	5.80	224.1	-13.3	19
20100228	0	1.26	3.10	224.1	-3.2	10
3/3/2011	500	2.06	4.70	224.1	0.9	23
3/14/2012	400	3.48	6.60	224.1	-0.9	20.9
20100211	300	1.86	4.10	224.2	-9	8
2/28/2012	1000	3.38	11.10	224.2	-0.9	5.3
3/16/2012	1800	3.98	5.30	224.2	6.3	80.9
20100219	900	0.59	1.70	224.3	-15.5	8
20100330	400	3.48	9.20	224.3	7	15
1/2/2011	2300	2.49	6.80	224.3	-9.5	76
2/16/2011	1700	9.27	14.60	224.3	4.4	19
2/1/2012	700	5.64	9.50	224.3	-6.2	15.5
2/10/2011	0	9.52	13.00	224.4	-14.6	11
2/16/2011	1600	10.15	16.60	224.4	6.2	20

1/2/2012	2100	5.74	9.40	224.4	2.8	
1/9/2012	900	2.26	3.50	224.4	-3.6	20.8
3/20/2012	100	2.54	3.70	224.4	-8.7	6.9
2/15/2011	200	3.37	7.50	224.5	0.7	13
1/7/2012	2000	1.58	2.50	224.5	-10.9	13.3
2/27/2012	1200	11.69	16.30	224.5	5.7	19.3
20100112	500	3.57	7.90	224.6	-6.1	15
1/27/2011	2200	5.89	8.30	224.6	-1.1	6
20100128	2100	1.15	2.20	224.7	-6.8	21
3/23/2012	1200	3.17	9.50	224.7	19.2	11.5
3/28/2012	900	6.33	10.10	224.7	12.7	0
2/16/2011	1900	8.86	15.20	224.8	3.3	23
1/25/2012	1000	8.88	14.30	224.8	4.6	0
2/24/2012	1900	5.77	8.60	224.8	-6	6.5
20100127	100	5.92	7.90	224.9	-3.3	7
1/28/2011	800	3.72	7.40	224.9	0.7	11
2/25/2011	1400	4.39	7.30	224.9	-3.2	12
3/14/2011	800	5.66	9.90	224.9	3.1	40
20100321	1900	6.11	10.00	225	1.4	24
2/16/2011	2300	7.95	12.80	225	2.7	12
2/9/2012	600	2.15	5.00	225	-5.2	14.5
3/19/2012	700	6.24	11.30	225	-4	16.7
20100310	800	0.94	2.00	225.1	-5.3	28
1/2/2011	400	7.40	15.10	225.1	-11.9	133
2/5/2011	0	5.05	11.50	225.1	-1.3	8
2/11/2011	600	5.43	10.80	225.1	-10.7	7
3/27/2012	600	6.70	10.90	225.1	0.1	15.7
20100101	400	8.98	13.70	225.2	-5.8	24
20100210	1900	4.16	8.30	225.2	-6.6	34
2/17/2011	0	8.00	13.30	225.2	2.5	15
3/11/2011	400	6.12	13.20	225.3	4.7	23
1/26/2012	1600	8.91	13.60	225.3	4.3	18
2/29/2012	1900	5.67	9.60	225.3	-2	12.3
3/20/2012	0	0.58	2.30	225.3	-7.8	6.9
20100101	500	9.81	13.10	225.4	-5.3	41
3/21/2011	2300	2.80	5.60	225.4	1.1	114
2/24/2012	2100	8.12	12.20	225.4	-4.4	4.9

3/11/2012	100	0.96	2.80	225.4	-4.7	14.3
20100303	2000	1.26	2.70	225.5	-3.3	18
3/25/2012	1200	7.00	14.30	225.5	19.3	35.8
3/14/2011	1000	4.79	7.60	225.6	7.6	26
1/15/2012	600	7.76	14.60	225.7	0.6	8.3
2/12/2012	700	0.81	2.40	225.8	-11.5	49.2
3/31/2012	1500	9.67	15.00	225.8	21	41.4
20100105	0	4.27	7.10	225.9	-5.1	22
2/20/2011	800	3.87	10.40	225.9	-3.4	6
1/25/2012	800	9.53	14.20	225.9	-1.8	39.3
3/11/2012	2100	3.92	5.80	225.9	1.2	28.1
20100224	1200	4.65	10.00	226	-0.6	52
1/10/2011	0	1.87	3.60	226	-24.3	5
3/13/2012	1000	12.25	19.00	226	11.6	57.5
20100226	2100	1.47	5.20	226.1	-10.8	29
3/16/2011	1900	6.07	10.70	226.1	8	13
3/20/2011	600	5.70	10.50	226.1	-1.7	16
3/21/2011	1800	4.23	7.30	226.1	9.1	22
1/14/2012	1800	4.43	10.00	226.2	3.2	5.9
2/12/2012	0	2.18	3.90	226.2	-9.8	12.6
3/10/2011	1700	8.56	12.10	226.3	6.8	17
1/19/2012	1400	8.91	18.60	226.3	5.7	26.6
20100227	300	2.95	6.30	226.4	-9.1	8
2/17/2012	0	4.52	8.00	226.4	-8.4	6.5
20100116	400	7.06	9.90	226.5	-5.7	10
3/25/2011	1500	9.94	14.00	226.5	4.8	23
2/4/2012	1700	2.50	3.40	226.5	-8.5	5.7
3/6/2011	1100	6.70	10.20	226.6	3	28
2/2/2012	800	0.80	2.00	226.6	-3.8	35.5
20100118	1500	5.20	7.90	226.7	0.4	18
20100129	1100	0.75	1.90	226.7	-7.1	42
2/7/2011	100	6.03	7.50	226.7	-15.6	3
1/25/2012	400	7.42	12.40	226.7	-4.5	7.9
3/6/2012	1500	9.93	17.90	226.7	12.4	21.5
1/30/2011	2100	3.14	6.10	226.9	-0.5	25
2/15/2011	1300	8.38	12.30	226.9	7.8	55
2/29/2012	1400	13.38	19.20	226.9	1.2	25.1

1/13/2011	1600	9.62	15.90	227	1.2	7
1/16/2011	700	7.53	12.50	227	-1.9	10
1/15/2012	800	9.72	14.30	227	1.7	11.6
20100325	1700	6.99	9.40	227.1	4.8	34
20100329	800	6.22	9.10	227.1	6.7	48
1/3/2012	800	5.58	9.30	227.1	2.1	
1/25/2012	700	10.63	15.40	227.1	-3.7	53.7
2/16/2012	1900	4.65	6.80	227.1	-8.1	6.1
1/15/2012	1400	11.02	16.60	227.2	7.9	15.4
20100115	0	5.66	9.50	227.3	-8.2	19
2/11/2011	500	6.24	9.00	227.3	-10.3	12
2/16/2011	700	1.99	6.30	227.3	1.9	25
1/10/2012	1400	9.33	13.40	227.3	8.6	31.4
20100130	2300	1.75	3.10	227.4	-15.3	28
20100218	900	1.94	5.60	227.4	-4.1	
20100325	1000	5.60	8.90	227.4	4.5	
20100327	2000	1.67	3.60	227.4	-3.5	15
1/18/2011	2100	5.85	11.20	227.4	-1	7
1/25/2012	900	8.50	13.00	227.4	1.4	42.2
20100224	1500	7.56	9.50	227.5	-1.4	17
2/26/2011	2100	3.66	6.80	227.5	-3.1	7
1/25/2012	600	10.96	15.30	227.5	-3.9	56.5
20100321	400	4.13	7.70	227.6	-7.3	12
2/4/2011	500	1.56	3.20	227.6	-19.1	21
3/25/2011	800	8.51	14.00	227.6	4.3	25
2/18/2012	800	4.62	6.70	227.6	-7.4	13.5
20100325	1600	7.17	11.00	227.8	6.9	28
3/16/2011	700	4.72	10.10	227.8	7.6	10
3/25/2012	900	7.01	11.10	227.8	16.4	8
20100104	2300	5.39	7.30	227.9	-5.7	20
1/15/2012	500	2.05	8.60	227.9	-1 7	12
1/3/2011	300	3.74	7.10	228	-9.8	13
3/15/2012	500	4.76	5.90	228	-0.8	20.9
20100303	1300	6.17	8.70	228.1	3.6	26
2/25/2012	1100	12.74	18.80	228.1	4.7	13.5
3/3/2012	1900	7.44	13.10	228.1	-2.4	15.7
3/28/2012	1000	4.63	14.60	228.1	17.5	0

20100221	300	1.18	2.20	228.2	-17.6	18
20100224	900	5.51	9.40	228.2	-4.7	110
20100227	400	4.93	8.90	228.2	-7.1	20
20100330	1800	6.82	10.10	228.2	9.8	36
1/21/2012	0	7.78	13.70	228.2	1.4	18.2
2/29/2012	1800	5.96	11.40	228.2	-1.4	13.8
20100319	2300	1.99	2.70	228.3	-13.5	11
3/16/2012	1100	10.03	16.80	228.3	13.7	23.4
3/26/2011	1700	4.21	7.50	228.4	2.2	10
1/14/2012	1400	9.73	15.40	228.4	6.3	16.8
2/6/2012	400	1.42	2.60	228.4	-16.9	19.7
20100131	0	1.52	2.80	228.5	-14	25
20100303	1000	6.63	10.60	228.5	3.1	27
20100330	1600	11.99	18.30	228.5	14.8	33
1/21/2011	2200	6.16	11.20	228.5	-3.1	5
3/23/2011	1700	6.08	9.00	228.5	3.8	25
1/18/2012	1700	10.15	18.40	228.5	-0.7	36.3
20100330	1300	13.94	20.00	228.6	16	135
1/28/2012	200	4.74	8.60	228.6	-11	10.5
20100115	600	4.75	7.00	228.7	-10.7	14
3/14/2011	1100	5.27	10.10	228.7	8.8	23
3/24/2011	2100	5.48	8.40	228.7	-1.3	6
1/30/2012	500	5.31	9.40	228.7	-1.2	7.5
20100115	500	5.23	7.20	228.8	-9.9	5
20100304	800	1.62	3.30	228.8	-8.8	113
20100321	1700	7.83	12.30	228.8	4.4	24
1/27/2011	2100	5.91	8.20	228.8	-1.3	7
2/29/2012	1600	11.92	17.40	228.8	0.3	17.8
3/11/2012	2200	4.88	7.60	228.9	3.6	17.5
3/6/2012	1600	7.97	12.50	229	9.8	24.4
20100105	2000	9.94	14.10	229.1	-1	6
20100321	300	4.21	8.00	229.1	-7.1	10
1/8/2011	1700	4.19	6.80	229.1	0.8	46
3/1/2011	1400	6.83	12.70	229.1	7.1	37
1/4/2012	600	5.55	8.40	229.1	-2.2	
1/17/2012	2000	6.28	9.30	229.1	-13.7	10.2
20100127	0	5.05	7.50	229.2	-3.4	9

20100222	1600	1.69	2.50	229.2	-15.2	11
1/13/2011	1800	9.12	13.40	229.2	0.6	6
1/3/2012	700	8.71	13.10	229.2	1.1	
20100117	100	6.81	8.70	229.3	-1.8	11
1/12/2011	2000	6.73	11.40	229.3	-2.9	76
3/1/2011	1500	8.10	11.70	229.3	7.3	3
3/25/2012	1000	6.74	11.40	229.3	17.4	17.4
3/15/2011	2300	4.41	9.50	229.4	2.9	12
20100224	2300	4.65	7.70	229.5	-5.9	11
20100329	1600	8.69	13.00	229.5	10.2	21
3/6/2012	1400	9.60	15.00	229.5	12.9	15
20100209	1800	4.33	6.40	229.6	-9.1	34
20100322	1100	7.61	10.90	229.6	8.7	63
2/18/2011	1200	10.70	15.60	229.6	5.1	13
20100322	400	5.63	8.30	229.7	0.7	18
2/3/2011	900	1.45	2.80	229.7	-15.1	32
3/10/2011	1500	8.33	12.20	229.7	9.8	35
3/22/2011	400	5.22	13.50	229.7	-1.3	25
3/29/2011	2100	3.94	5.60	229.7	-0.9	11
3/18/2012	1800	3.06	5.40	229.7	4.6	55.1
2/12/2011	400	10.50	15.60	229.8	-4.6	8
2/26/2011	0	5.83	8.10	229.8	-2.9	11
1/20/2012	1900	7.23	9.90	229.8	-1	27.4
1/21/2012	1500	8.36	14.50	229.8	6	9
2/20/2011	0	7.81	15.00	229.9	0.8	13
3/10/2011	400	5.07	8.10	229.9	-1.4	22
1/25/2012	300	8.35	14.10	229.9	-5.8	18
2/1/2012	1600	8.33	11.20	229.9	3	18.6
1/15/2012	1000	8.44	14.40	230	5	20.5
3/13/2012	900	12.02	18.10	230	10.7	113.3
20100121	700	1.74	3.60	230.1	-9.5	36
20100127	400	3.98	8.50	230.1	-4.9	10
1/5/2012	1000	8.68	12.20	230.1	9.8	
1/21/2012	1000	13.69	23.90	230.1	7.4	423.7
1/14/2012	1300	10.20	16.10	230.2	6.9	56.8
20100118	1100	3.60	9.20	230.3	-1.7	52
2/16/2011	1200	11.11	16.30	230.3	7.9	32

3/28/2011	100	3.64	4.90	230.3	-3.9	1
3/29/2011	500	1.82	4.40	230.3	-5.5	10
3/13/2012	1300	12.64	17.90	230.3	13.7	107.3
3/31/2012	1400	8.73	14.00	230.3	20	29
20100116	2200	3.15	5.50	230.4	-0.1	33
20100205	2100	2.96	7.20	230.4	-3.1	12
3/1/2011	1800	4.38	5.30	230.4	0	5
3/3/2012	2000	10.96	17.40	230.4	-2.3	14.1
20100320	2100	5.39	8.00	230.5	-6.6	18
2/21/2012	600	8.45	12.90	230.5	-6.8	27.1
20100105	1900	9.50	13.50	230.6	-0.7	8
1/14/2012	1600	5.73	11.30	230.6	5.2	8.9
1/26/2012	1000	8.33	13.70	230.6	4	27
1/28/2012	2100	8.94	14.50	230.6	-3.8	14.5
3/15/2012	300	2.89	5.60	230.6	-1.5	14.1
20100123	400	3.72	7.00	230.7	-8.9	5
20100202	200	4.70	6.50	230.7	-10.8	8
20100207	400	1.15	2.90	230.7	-10.6	20
1/27/2011	2300	6.51	8.60	230.7	-1.3	5
1/4/2012	400	6.70	10.20	230.7	-1.8	
2/18/2012	900	5.74	9.70	230.7	-4.8	17.4
3/1/2012	500	8.15	11.70	230.7	-7.8	7.9
20100206	700	3.29	5.90	230.8	-3.3	32
1/10/2012	1600	6.59	11.60	230.8	4.6	24.8
1/26/2012	1200	9.46	14.00	230.8	6.4	54.7
2/25/2012	300	6.09	10.50	230.8	-3.1	2.9
20100102	500	5.66	9.20	230.9	-1.1	8
20100321	2100	5.06	8.90	230.9	1.6	23
1/20/2011	1900	8.95	15.10	230.9	-5.2	6
2/4/2011	1900	3.39	6.10	230.9	-6.4	14
2/25/2011	2200	6.43	10.10	231	-2.6	7
3/10/2011	1600	9.24	12.80	231	9	29
1/14/2012	1000	8.60	14.10	231	3	15.2
1/26/2012	2000	4.86	7.60	231	-0.9	19.6
3/31/2012	1100	8.35	14.50	231	18.1	20.6
2/16/2011	1400	11.13	17.10	231.1	8	21
3/10/2011	1200	8.90	19.00	231.1	9.7	76

1/2/2012	1600	6.97	10.30	231.1	5.4	
1/18/2012	1800	6.76	13.30	231.1	0	25.6
1/28/2012	300	6.66	12.30	231.1	-10.6	11
3/1/2012	400	7.58	12.30	231.1	-6.4	1.2
20100327	2300	3.07	4.70	231.2	-4.8	21
1/11/2011	1700	7.77	10.30	231.2	-12.9	13
2/16/2011	1300	11.50	17.70	231.2	8	31
3/19/2011	1900	6.25	9.70	231.2	6.2	28
2/29/2012	1500	13.94	18.30	231.2	0.5	15.4
20100116	300	7.41	10.50	231.3	-5.7	16
1/21/2012	1400	10.94	16.90	231.3	5.9	21.3
1/23/2012	1200	8.29	12.50	231.3	2.8	14.8
1/24/2012	2300	8.13	13.60	231.3	-7.2	17
3/2/2012	400	2.35	4.30	231.3	-15.3	4.5
3/18/2012	1700	7.65	17.40	231.3	6.4	129.9
20100330	1500	13.58	20.50	231.4	16	58
2/1/2012	800	8.18	14.10	231.4	-2.8	12.8
3/6/2012	1200	11.34	20.00	231.4	12.6	32.6
3/14/2012	2100	5.13	6.40	231.4	1.6	12.8
1/28/2011	0	6.52	9.20	231.5	-0.9	6
20100102	900	3.31	5.70	231.6	-1.5	41
2/13/2011	400	7.08	13.50	231.6	0.7	58
20100330	1200	12.09	17.60	231.7	16.2	74
2/12/2011	900	7.15	13.00	231.7	-1	95
3/19/2011	2000	5.82	10.20	231.7	4.9	35
3/30/2012	400	7.59	11.20	231.7	6.2	25.8
20100112	1500	5.47	8.50	231.8	2.8	23
20100329	1000	8.44	14.20	231.8	10.1	53
20100329	2000	6.63	13.90	231.8	7.5	40
1/26/2012	1900	4.98	10.00	231.8	-0.3	14.4
2/29/2012	1300	12.33	17.10	231.8	1.2	24.2
3/19/2012	200	5.41	10.10	231.8	-4.6	10.8
3/20/2012	700	3.01	5.20	231.8	-5.8	10.8
20100116	500	7.37	10.50	231.9	-4.7	11
20100116	700	6.76	8.80	231.9	-4	48
1/16/2011	400	5.07	7.40	231.9	-5.1	51
1/17/2012	300	5.43	7.50	231.9	-18.7	7

1/29/2012	1600	9.99	16.10	231.9	4.8	8.4
3/15/2012	400	3.18	5.70	231.9	-0.8	15.5
20100119	1100	2.56	4.10	232	-0.9	13
1/19/2012	1000	10.04	15.20	232	3.9	15.2
1/23/2012	0	9.34	13.40	232	-4.8	4.6
3/28/2012	1800	4.04	8.20	232	10.9	26.5
3/31/2012	1300	9.88	14.20	232	20.3	26.1
20100101	1800	6.59	9.60	232.1	-0.8	5
20100126	2000	4.88	8.20	232.1	-3.8	13
1/29/2011	1800	4.56	6.00	232.1	-0.5	9
3/13/2011	2100	4.38	7.90	232.1	-2.5	12
20100206	200	4.87	7.50	232.2	-3.5	7
20100320	2300	4.95	7.20	232.2	-6.9	8
3/16/2011	500	4.24	8.40	232.2	5.4	14
3/12/2012	1700	5.01	9.80	232.2	9.3	26.7
3/13/2012	1200	11.80	20.20	232.2	13.5	75.8
3/13/2012	1400	13.05	19.70	232.2	13.6	172.3
3/31/2012	1600	8.69	14.90	232.2	20.5	27.2
20100101	0	6.56	9.40	232.3	-5.9	49
20100108	0	1.16	2.50	232.3	-35.9	17
20100117	0	5.86	8.10	232.3	-1.7	21
20100117	500	5.71	7.60	232.3	-4.3	7
20100118	1400	3.32	4.80	232.3	-0.1	25
3/19/2011	1300	16.71	25.90	232.3	12.4	187
1/17/2012	500	7.81	13.10	232.3	-15.7	9.4
20100119	0	1.17	3.60	232.4	-11.3	26
3/19/2011	900	15.78	22.30	232.4	10.5	32
3/6/2012	1300	11.82	16.80	232.4	12.7	29.1
20100322	600	4.99	7.80	232.5	0	71
1/30/2011	1700	4.54	7.80	232.5	1.2	37
3/15/2011	2200	6.87	12.60	232.5	3.1	12
20100126	1800	7.90	12.00	232.6	-2.2	13
3/2/2011	2200	4.77	12.20	232.6	3	9
3/5/2011	1000	6.95	10.70	232.6	0.9	10
1/2/2012	1700	7.20	9.70	232.6	3.4	
2/4/2012	1100	2.72	4.00	232.6	-7.4	5
3/18/2012	2100	7.86	13.40	232.6	0.1	

20100223	2300	5.34	9.50	232.7	-10.2	15
1/13/2011	1700	8.12	13.50	232.7	1	4
2/16/2011	1500	11.87	19.00	232.7	7.6	33
1/21/2012	1800	13.09	20.20	232.7	3.3	11.3
3/17/2012	1400	6.74	12.10	232.7	16.6	15.7
3/31/2012	1700	6.60	12.90	232.7	18.7	26.8
20100112	1300	7.03	11.40	232.8	3.7	24
20100224	1100	7.82	11.30	232.8	-1.2	78
1/8/2011	100	3.19	7.40	232.8	-4.7	4
1/12/2011	1000	4.87	11.40	232.8	-4.7	15
3/20/2012	400	2.41	4.30	232.8	-7.6	14.3
20100119	2000	5.91	8.70	232.9	-8.5	29
20100209	1700	6.72	8.50	232.9	-6.9	59
2/14/2011	1600	6.84	12.50	232.9	6	28
2/18/2011	2000	3.87	8.40	232.9	-1.7	16
2/27/2011	800	2.78	4.60	232.9	-0.3	27
1/10/2012	1100	10.74	14.60	232.9	8.3	92
1/26/2012	1300	9.79	14.10	232.9	6.3	14.9
20100116	600	7.51	9.40	233	-4	36
2/4/2011	2100	4.15	6.70	233	-5.8	1
2/7/2011	0	4.17	6.80	233	-17.2	13
3/10/2011	2100	6.57	9.80	233	3.2	15
1/3/2012	600	9.47	12.30	233	1	
3/15/2012	2100	2.65	4.10	233	-0.2	38.6
2/5/2012	700	1.64	2.90	233.1	-11	53.8
3/5/2012	900	9.12	13.30	233.1	6.7	45.5
3/13/2012	200	5.30	7.00	233.1	-0.2	15
20100114	1100	1.15	2.00	233.2	-8.9	138
20100322	500	6.51	10.50	233.2	1.2	82
20100329	1700	7.42	12.50	233.2	9.1	29
1/19/2011	2200	2.36	4.10	233.2	-11.5	10
1/28/2011	900	5.83	10.30	233.2	4.4	27
2/26/2011	2300	7.56	11.40	233.2	-3	8
3/20/2012	2200	4.31	6.40	233.2	-2.7	4.8
3/31/2012	1000	7.97	12.60	233.2	16.9	26.8
20100101	2000	6.95	10.90	233.3	-1.3	5
20100121	2200	4.10	7.30	233.3	-7.8	44

20100206	400	5.87	7.60	233.3	-5.1	7
1/7/2011	2300	3.49	5.70	233.3	-4.5	4
1/27/2011	2000	4.72	7.30	233.3	-1.6	6
1/23/2012	200	9.22	15.50	233.3	-5.1	7.8
2/8/2012	800	11.52	16.00	233.3	-1.1	60.6
1/21/2011	2100	4.76	9.50	233.4	-4.2	6
2/7/2011	300	5.37	10.50	233.4	-12.3	2
1/4/2012	1900	5.79	8.70	233.4	1.8	
20100322	1200	6.93	11.80	233.5	9.1	44
1/4/2011	1600	6.76	9.50	233.5	-6.7	9
1/23/2011	400	4.99	7.60	233.5	-11.5	2
1/29/2011	200	6.82	8.70	233.5	0.3	6
1/13/2012	100	2.47	6.30	233.5	-8.8	13.9
3/19/2012	800	9.27	14.10	233.5	-2.3	21.6
20100111	1100	1.22	2.10	233.6	-9.9	11
20100330	1100	12.65	17.80	233.6	16.2	101
2/14/2011	1300	3.65	7.90	233.6	7.4	27
1/25/2012	1800	7.56	14.70	233.6	2.2	14.8
1/26/2012	1700	10.27	15.30	233.6	2.9	29.9
2/19/2012	0	3.06	6.80	233.6	-4.8	6.3
20100113	400	3.77	7.20	233.7	-0.7	10
3/4/2011	800	4.19	9.30	233.7	-0.6	42
1/15/2012	900	7.01	12.50	233.7	2.3	10.8
20100119	2300	3.57	7.90	233.8	-9.2	15
2/9/2011	2300	8.45	11.70	233.8	-15	8
2/14/2011	1700	4.90	11.90	233.8	4.7	34
3/14/2011	2200	6.43	12.00	233.8	2.4	37
3/21/2011	1400	12.90	22.90	233.8	16.2	23
3/14/2012	200	3.61	6.00	233.8	3.3	10.8
20100224	800	4.37	7.70	233.9	-7.5	53
2/26/2011	1800	9.91	14.90	233.9	-1.1	5
3/16/2011	1300	10.94	18.00	233.9	14.2	61
1/17/2012	1400	7.85	11.80	233.9	-8.6	20.1
3/15/2012	1600	6.75	13.20	233.9	14.4	19.3
3/15/2012	1800	4.65	6.90	233.9	5.6	56.8
2/7/2011	500	8.94	13.10	234	-7.7	9
2/15/2011	1200	9.19	12.60	234	7.2	71

3/14/2011	300	5.85	11.00	234	-0.9	0
1/1/2012	100	8.25	14.20	234	-5.2	
1/14/2012	500	6.22	11.00	234	-0.6	11.7
2/16/2012	2000	6.20	10.80	234	-7.4	9.1
3/16/2012	1400	9.72	15.80	234	15.3	22.8
20100205	1800	4.05	8.70	234.1	-1.9	13
20100205	2300	3.79	5.80	234.1	-4	29
1/22/2011	100	7.74	17.00	234.1	-1.6	4
1/23/2011	2300	4.01	7.30	234.1	-4.6	8
2/18/2011	1100	10.17	14.60	234.1	4.7	61
20100101	200	7.34	10.30	234.2	-6.8	19
20100209	1900	5.33	9.20	234.2	-9.2	11
1/25/2011	900	2.44	4.20	234.2	-4.9	19
2/9/2011	100	1.16	2.30	234.2	-30.4	4
1/4/2012	300	6.22	9.80	234.2	-1.9	
3/6/2011	1000	5.98	10.30	234.3	3	24
1/22/2012	2100	10.59	20.00	234.3	-5.2	18.4
3/12/2012	1600	7.98	12.50	234.3	11.3	31.5
20100206	600	5.97	7.90	234.4	-3	24
20100328	2100	7.21	14.10	234.4	3.5	19
2/7/2011	900	9.67	13.40	234.4	-4.4	8
1/4/2012	900	5.18	8.10	234.4	3	
20100101	2100	8.04	14.00	234.5	-1.2	6
1/6/2011	500	9.17	14.20	234.5	-4.7	6
3/21/2011	1700	5.28	8.90	234.5	11.4	29
1/10/2012	1300	10.26	14.30	234.5	9.2	58.3
1/29/2012	1700	8.16	12.50	234.5	2.6	12.6
3/4/2012	0	7.13	13.50	234.5	-1.2	9.5
2/18/2011	1500	12.26	17.80	234.6	4	14
2/26/2011	500	6.18	9.90	234.6	-3	15
1/4/2012	200	4.45	8.10	234.6	-3.5	
1/17/2012	0	4.51	7.00	234.6	-18.9	9.3
2/1/2012	1500	6.73	11.60	234.6	4.5	14.2
3/14/2011	1200	6.48	11.40	234.7	9.3	32
1/2/2012	1000	9.35	13.40	234.7	5.6	
1/13/2012	900	7.29	13.50	234.7	-4.2	38.4
1/21/2012	800	7.87	16.90	234.7	4.5	24.4

1/31/2012	1800	5.21	7.50	234.7	-2.5	18.7
3/19/2012	900	10.87	17.40	234.7	-0.7	22.9
1/8/2011	900	5.70	9.70	234.8	0.2	9
3/23/2011	1800	4.05	5.40	234.8	-0.3	25
1/15/2012	1200	12.26	17.10	234.8	8.5	121.1
20100131	1800	4.01	6.50	234.9	-6.5	15
20100202	100	4.86	7.00	234.9	-10.3	6
1/18/2012	1500	14.43	23.30	234.9	-0.8	145.5
1/28/2012	0	5.69	10.30	234.9	-11.1	7.9
3/31/2012	1200	9.47	15.40	234.9	19.3	28.3
20100321	500	5.73	8.70	235	-7	26
1/10/2012	2000	5.86	9.40	235	-0.8	11.3
1/25/2012	2000	7.74	14.90	235	1.2	10.1
20100105	2100	7.43	12.70	235.1	-0.9	10
3/21/2011	2200	8.43	15.50	235.1	3.8	34
2/25/2012	900	10.65	16.40	235.1	1.7	14.1
3/27/2012	1800	3.67	5.30	235.1	8	66.2
20100321	600	5.69	8.50	235.2	-6	56
3/29/2011	1900	6.28	9.00	235.3	0.1	15
1/19/2012	900	8.69	13.90	235.3	3	17.4
2/4/2012	2000	2.04	3.40	235.3	-10.7	11.1
3/28/2012	1500	8.36	12.80	235.3	17.3	32.6
20100122	1400	8.57	11.90	235.4	0.7	19
1/4/2011	2000	4.91	9.50	235.4	-9.4	9
1/29/2011	600	6.25	9.40	235.4	-0.9	38
3/20/2011	800	5.14	13.90	235.4	3.9	32
20100108	1800	0.83	2.50	235.5	-20.4	77
20100201	0	5.50	9.50	235.5	-7	20
1/27/2011	1900	5.51	7.80	235.5	-1.2	14
2/11/2011	2300	7.19	13.70	235.5	-6.1	9
2/16/2011	1100	11.35	17.30	235.5	7.6	73
1/14/2012	1100	10.62	16.10	235.5	5.1	62
3/6/2012	300	4.04	6.90	235.5	2.2	7.8
3/16/2012	1700	4.73	10.60	235.5	11.8	9.1
20100320	2200	6.58	9.70	235.6	-6.4	13
3/1/2011	1600	6.99	10.50	235.6	6.8	3
2/8/2012	2000	4.23	6.60	235.6	-1.7	10.1

2/9/2012	2200	1.97	4.60	235.6	-11.6	10.3
2/18/2012	600	5.01	7.40	235.6	-11.7	10.5
3/30/2012	600	4.47	11.60	235.6	7.3	51.1
20100327	2200	3.15	4.80	235.7	-5.4	13
3/19/2011	1400	14.67	23.30	235.7	12	105
1/23/2012	400	8.18	13.70	235.7	-4.7	6.3
2/29/2012	1200	10.58	16.20	235.7	0.3	18.7
3/19/2012	1400	5.98	10.70	235.7	1.6	25.9
1/2/2012	1100	9.29	13.00	235.8	7.4	
20100119	1900	6.13	7.60	235.9	-7.5	27
20100122	1800	8.12	10.40	235.9	-5.1	8
20100329	2100	7.56	13.30	235.9	6.7	20
1/18/2011	2300	5.99	11.50	235.9	-0.5	5
1/19/2012	1300	12.66	21.70	235.9	5.6	26.9
3/14/2012	1300	9.95	14.90	235.9	14.3	40.2
3/20/2012	500	1.08	2.80	235.9	-8.4	12.9
2/26/2011	1700	11.12	16.00	236	0.2	14
1/1/2012	200	10.98	16.60	236	-4.3	
1/19/2012	1800	9.60	14.00	236	4.9	7.8
1/11/2011	1500	8.23	11.70	236.1	-10.3	8
1/20/2011	0	1.40	2.50	236.1	-14.3	7
3/18/2011	1600	7.37	11.60	236.1	8.2	34
20100204	2300	3.11	7.70	236.2	-11.1	8
1/12/2011	1500	7.66	11.40	236.2	-2.5	22
1/14/2012	1500	11.25	16.60	236.2	6.5	71.4
1/17/2012	800	8.29	12.50	236.2	-14.6	16.3
3/14/2012	1400	9.24	15.30	236.2	14.4	32.5
3/3/2011	700	4.77	7.60	236.3	2.2	8
2/15/2012	2000	1.26	3.10	236.3	-10.5	11.3
3/16/2012	1200	10.68	16.80	236.3	15.4	53.7
1/3/2011	100	3.90	6.40	236.4	-8 4	12
1/21/2011	1800	8.21	11.90	236.4	-4.6	11
2/25/2011	2300	7.06	10.40	236.4	-2.4	3
1/16/2012	800	5.42	9.90	236.4	-0.4	22.5
20100101	1900	8.23	12.70	236.5	-1.2	8
1/5/2012	2300	2.31	5.60	236.5	2	4.2
1/10/2012	1000	9.39	13.10	236.5	6.7	83.7

1/23/2012	1700	2.43	5.50	236.5	-2.6	27.8
1/4/2012	800	7.03	10.80	236.6	1.6	
1/4/2012	1200	9.26	12.40	236.6	8	
20100131	1700	6.40	8.70	236.7	-5.6	19
1/16/2011	1200	10.61	17.30	236.7	2.4	142
2/18/2011	1300	8.82	13.10	236.7	5.3	18
2/26/2011	100	6.97	9.50	236.7	-2.1	3
1/5/2012	1300	9.93	13.80	236.7	10.2	
1/14/2012	900	10.31	15.20	236.7	1.6	44.3
1/25/2012	0	5.87	9.70	236.7	-8.2	4.8
20100126	2200	4.90	9.40	236.8	-3.9	8
1/11/2011	1900	5.52	9.40	236.8	-14	7
2/28/2011	500	8.02	14.80	236.8	-4.2	42
3/2/2011	900	7.09	12.30	236.8	5.6	32
20100115	100	8.51	10.90	236.9	-6.5	12
20100126	2300	6.70	9.40	236.9	-3.4	7
1/14/2011	2300	5.78	8.70	236.9	-2.5	5
1/27/2011	500	6.09	9.70	236.9	-4.1	11
2/16/2011	1000	13.43	18.90	237	7.2	44
2/18/2011	1400	9.63	14.80	237	5.5	25
3/24/2011	1400	7.72	15.10	237	7.2	3
1/4/2012	700	6.01	9.70	237	-1.3	
3/5/2012	700	6.25	11.10	237	2.6	42.8
2/4/2011	2000	4.50	8.20	237.1	-6	2
2/4/2011	2300	3.66	7.80	237.1	-3.2	7
3/5/2011	900	7.94	11.00	237.1	-0.2	29
3/16/2011	400	5.61	10.20	237.1	5.7	6
1/1/2012	0	7.66	14.70	237.1	-6.6	
1/18/2012	1400	8.68	18.00	237.1	-0.5	24.6
20100205	1900	5.58	7.60	237.2	-2.3	9
2/25/2012	1000	13.52	18.70	237.2	3.4	24.4
1/11/2011	2100	3.19	5.50	237.3	-14.6	5
3/2/2011	1300	9.77	15.30	237.3	7.8	77
3/5/2011	100	4.72	9.40	237.3	-5.6	1
3/19/2011	1000	16.13	23.00	237.3	11.7	12
3/15/2012	1500	6.93	11.80	237.3	14.7	29.3
3/15/2012	1700	5.65	9.00	237.3	12	11.6

20100116	900	1.53	3.40	237.4	-1	29
1/29/2011	100	6.34	9.40	237.4	1.4	16
2/10/2012	200	5.34	8.50	237.4	-7.8	8.5
3/13/2012	1600	11.38	16.20	237.4	12.5	23
3/16/2012	1300	10.21	16.20	237.4	15.4	43.4
3/3/2011	600	2.71	6.10	237.5	0.6	9
1/21/2012	600	8.86	14.80	237.5	2.8	11.3
2/4/2012	200	1.39	3.40	237.5	-10.2	6.3
2/4/2012	2100	1.25	2.50	237.5	-12.4	10.5
20100227	0	3.17	7.00	237.6	-12.6	4
20100328	300	3.89	6.70	237.6	-4.8	13
1/8/2011	500	5.23	8.00	237.6	-2.4	2
1/21/2011	2300	8.44	14.70	237.6	-2.2	6
2/7/2011	600	9.10	13.50	237.6	-7.4	12
3/10/2011	1300	9.10	13.10	237.6	9.9	85
3/27/2011	900	3.86	10.40	237.6	2.2	10
1/4/2012	1300	8.24	11.00	237.6	8.8	
3/16/2012	900	10.90	15.50	237.6	13	48
3/18/2012	1600	11.78	19.30	237.6	7.7	152.2
2/9/2012	700	3.85	9.00	237.7	-4.3	27.2
3/19/2012	0	4.61	9.20	237.7	-3.6	6.9
20100115	400	6.11	7.70	237.8	-8.4	2
20100330	1700	10.30	16.30	237.8	12.9	49
3/1/2011	400	5.57	8.30	237.8	-1.9	43
1/3/2012	900	7.68	13.00	237.8	5.9	
2/1/2012	1300	7.54	11.10	237.8	4.9	37
3/28/2012	1100	7.64	14.20	237.8	15.8	33.6
1/4/2011	1400	9.32	13.50	237.9	-4.1	15
1/4/2011	1500	8.47	11.80	237.9	-4.9	15
1/22/2011	0	7.75	12.60	237.9	-2	8
1/21/2012	900	6.32	12.00	237.9	6.1	15.1
1/26/2012	1500	9.37	14.70	237.9	6.3	28.9
20100115	700	6.72	8.50	238	-9.9	30
20100122	2000	8.58	10.90	238	-5.6	8
3/16/2011	1200	11.80	20.30	238	13.8	97
1/5/2012	1400	7.23	12.60	238	9.7	0
20100101	600	10.26	14.80	238.1	-4.7	32

3/9/2011	2000	4.18	14.80	238.1	-0.6	99
3/10/2011	1800	6.26	10.00	238.1	4.6	11
1/23/2012	300	9.32	16.70	238.1	-4.4	5.3
3/1/2012	600	8.44	11.10	238.1	-7.8	12.9
3/13/2012	1700	9.10	15.30	238.1	10.5	23.1
20100103	1400	0.54	1.90	238.2	-4.1	8
20100224	1000	8.69	11.60	238.2	-2.5	71
20100329	1100	8.75	13.80	238.2	11.4	50
20100330	1400	13.28	20.00	238.2	16.3	42
1/6/2011	2000	5.67	11.10	238.2	-2.4	21
3/1/2011	500	5.24	7.10	238.2	-3	18
3/10/2011	1400	9.86	14.50	238.2	10.3	24
1/1/2012	300	11.92	16.80	238.2	-3.8	
1/29/2012	200	12.54	18.20	238.2	-3.3	30.9
3/24/2012	900	4.04	9.40	238.2	13.3	19.8
20100328	700	8.81	13.20	238.3	-0.3	59
3/2/2011	1000	6.87	13.10	238.3	6.8	22
1/5/2012	900	8.89	12.60	238.3	7.9	
1/19/2012	1100	11.23	17.00	238.3	5.9	18
20100114	500	1.57	2.60	238.4	-18.3	11
1/24/2011	2100	5.39	8.80	238.4	-9.1	4
3/16/2011	1700	7.65	11.90	238.4	10.5	33
1/4/2012	1600	3.20	7.20	238.4	4.5	
20100112	1400	6.94	10.70	238.5	3.8	45
1/25/2011	100	5.41	8.00	238.5	-8.7	4
3/16/2011	900	10.98	18.50	238.5	11.8	38
2/16/2012	2100	7.35	10.90	238.5	-6.9	7.4
3/30/2012	500	8.06	11.90	238.5	6	18.6
20100116	0	4.99	7.30	238.6	-9.1	11
20100131	1900	5.51	10.70	238.6	-8.2	14
2/20/2011	200	6.35	10.90	238.6	-1.2	21
3/5/2011	200	3.17	8.10	238.6	-6.8	2
3/14/2011	500	8.76	12.90	238.6	0.6	13
1/5/2012	1100	9.26	12.50	238.6	11.4	
2/24/2012	1800	7.94	10.70	238.6	-5	7.4
3/16/2012	1600	8.41	11.90	238.6	15.5	16.5
20100206	300	6.61	8.70	238.7	-4.2	14

20100221	600	0.55	1.50	238.7	-17.4	30
20100226	2300	5.45	7.10	238.7	-13.4	24
3/21/2011	1500	10.59	17.50	238.7	16	36
1/17/2012	200	3.86	7.30	238.7	-18.2	13
20100122	1700	7.81	10.40	238.8	-4.5	9
1/23/2011	700	7.62	12.80	238.8	-8.3	12
1/6/2012	400	4.41	11.10	238.8	-0.2	46.5
3/16/2012	1000	11.06	15.80	238.8	12.6	30.6
1/6/2011	600	10.03	13.60	238.9	-4.5	9
1/11/2011	1800	7.89	10.50	238.9	-13.1	7
1/13/2011	1300	8.29	13.40	238.9	2.1	14
1/14/2011	100	6.74	9.90	238.9	0.4	25
1/23/2011	1600	9.26	14.10	238.9	-3.9	22
3/19/2011	1800	8.56	14.70	238.9	7	29
2/7/2011	800	5.43	12.20	239	-5.5	10
2/22/2011	1200	12.03	18.50	239	1.4	109
3/19/2011	1200	16.88	23.90	239	12.3	204
1/15/2012	100	10.75	16.70	239	2.9	10.9
20100116	1200	5.73	7.60	239.1	2.6	27
1/12/2011	1700	8.50	13.30	239.1	-3	16
1/30/2011	1300	8.40	12.30	239.1	6.1	31
3/25/2011	2200	3.25	7.30	239.1	-1.9	10
1/14/2012	1900	3.18	7.60	239.1	1.5	11.2
2/1/2012	1400	7.10	10.50	239.1	5	32.5
3/13/2012	1500	13.91	20.90	239.1	13.6	240.9
3/27/2012	500	4.92	7.90	239.1	-1.6	14
20100212	1900	6.29	9.50	239.2	-2.5	9
20100327	2100	2.05	3.20	239.2	-5.2	21
20100330	900	13.68	20.10	239.2	14.1	104
1/13/2011	1400	9.28	13.60	239.2	2.1	8
1/26/2011	1700	4.35	5.80	239.2	-3.8	44
2/25/2012	500	3.72	8.00	239.2	-2.9	9.7
3/3/2012	2100	13.51	18.80	239.2	-1.5	25
3/27/2012	800	6.96	14.50	239.2	5	19.8
20100321	100	5.95	9.00	239.3	-6.6	6
20100322	1000	7.02	10.10	239.3	7.8	45
2/11/2011	400	6.63	10.30	239.3	-9.6	33

2/16/2011	900	12.56	18.40	239.3	6.5	28
1/18/2012	1600	11.26	18.30	239.3	-0.2	46
1/19/2012	1200	11.33	18.70	239.3	6.7	27.2
1/29/2012	1500	10.86	15.80	239.3	6	20.6
2/12/2012	200	0.39	1.30	239.3	-12.3	6.6
20100122	900	10.03	18.30	239.4	1.4	55
1/11/2011	1400	6.57	8.90	239.4	-9.5	28
2/23/2011	1300	8.19	16.00	239.4	1	60
3/10/2011	2000	8.16	13.00	239.4	3.7	14
1/2/2012	1500	6.12	9.40	239.4	8.2	
2/8/2012	1000	10.84	15.80	239.4	1.3	41.8
2/29/2012	2300	6.57	9.00	239.4	-2.4	16.8
20100126	1900	6.65	10.90	239.5	-2.2	12
20100206	500	6.16	8.40	239.5	-4.9	8
1/30/2012	400	6.14	10.10	239.5	-1.2	4.3
3/9/2012	1100	1.84	4.50	239.5	8.2	17.7
3/13/2012	100	3.50	6.70	239.5	-0.5	17.7
3/19/2012	1000	9.97	15.30	239.5	0.2	23
20100108	900	0.64	2.20	239.6	-27.4	48
1/5/2011	1100	12.42	17.30	239.6	-3.8	18
3/13/2011	500	1.27	2.10	239.6	-2.9	3
3/4/2012	2300	5.28	9.90	239.6	0.1	19.3
20100116	200	5.01	8.30	239.7	-7.7	8
1/19/2011	800	4.36	6.90	239.7	-2.7	9
1/29/2011	400	5.08	10.20	239.7	0	4
1/30/2011	2200	5.04	8.00	239.7	-0.6	18
1/21/2012	1900	14.99	21.70	239.7	3.1	57
20100105	700	6.65	11.70	239.8	-1.8	14
1/16/2011	800	9.34	15.20	239.8	-0.5	10
20100223	900	3.73	9.20	239.9	-9.8	81
20100329	1200	10.28	16.00	239.9	12.3	68
1/8/2011	600	6.46	9.80	239.9	-2.4	4
2/26/2011	1600	10.21	15.50	239.9	1.4	14
3/19/2011	1100	17.25	23.70	239.9	12.3	151
1/21/2011	2000	7.47	14.90	240	-4.1	9
2/14/2011	1400	3.57	9.20	240	8.8	57
2/23/2011	1200	10.50	16.10	240	1.6	144

3/5/2011	800	7.82	11.30	240	-0.8	4
1/2/2012	1200	8.28	11.00	240	8.7	
1/2/2012	1300	8.08	10.60	240	9.4	
1/30/2012	600	6.45	13.90	240	-0.2	13.5
2/21/2012	500	5.99	9.60	240	-6.7	11.5
1/4/2011	1900	4.01	7.60	240.1	-10.2	11
1/28/2011	1100	6.27	9.50	240.1	7.5	22
3/14/2011	400	8.79	12.30	240.1	0.2	12
3/14/2011	600	6.71	11.70	240.1	0.4	15
1/1/2012	500	8.92	14.70	240.1	-5	
3/15/2012	900	4.27	8.40	240.1	9.6	25.5
3/17/2012	1300	7.59	11.40	240.1	16.1	16.7
20100131	2200	7.65	10.80	240.2	-5.5	10
1/4/2011	200	4.94	8.50	240.2	-13.1	4
1/16/2011	100	4.51	7.20	240.2	-2.9	9
2/22/2011	500	4.98	9.80	240.2	-5.1	21
3/29/2011	2000	4.68	7.50	240.2	-0.5	3
2/1/2012	1100	7.58	12.10	240.2	3.9	11.9
2/21/2012	700	7.11	10.70	240.2	-5.8	10.1
20100101	700	6.98	13.30	240.3	-4.8	18
20100213	100	3.69	6.20	240.3	-4.3	5
1/1/2012	400	11.12	15.60	240.3	-4.2	
1/8/2012	900	2.55	5.30	240.3	-5.9	11.7
1/25/2012	500	10.81	16.90	240.3	-3.8	67.1
1/29/2012	2000	8.77	14.30	240.3	1.8	6.5
20100122	2300	5.13	7.20	240.4	-6.1	10
1/10/2011	1900	1.89	4.20	240.4	-20.4	7
1/28/2011	1000	7.11	10.30	240.4	6	24
1/16/2012	900	7.47	11.20	240.4	0.6	10.4
1/17/2012	400	6.29	10.70	240.4	-16.5	7.4
1/25/2012	200	9.17	13.10	240.4	-6	14.4
1/11/2011	1600	8.39	11.10	240.5	-11.4	13
1/10/2012	1200	10.49	14.40	240.5	9	77.6
2/8/2012	1100	10.45	15.10	240.5	0.9	22.8
2/8/2012	1900	6.04	9.90	240.5	-1.3	11.7
20100214	900	0.83	2.10	240.6	-17.4	68
1/15/2011	600	5.27	8.90	240.6	-2.1	34

3/6/2011	200	5.51	8.00	240.6	-3.7	37
1/26/2012	1400	9.20	14.40	240.6	6	27.3
20100118	1300	3.56	7.50	240.7	0.6	22
20100122	1900	8.16	10.00	240.7	-5.5	4
20100210	600	8.06	10.40	240.7	-10.3	14
1/4/2011	2200	6.06	12.60	240.7	-8.3	7
1/19/2011	2300	1.57	2.70	240.7	-13.6	3
2/4/2011	2200	5.08	7.80	240.7	-4.5	2
2/27/2011	2100	3.28	6.40	240.7	-6.6	74
3/3/2011	800	4.86	9.10	240.7	4.3	31
1/23/2012	1100	10.43	15.70	240.7	1.6	47.3
2/21/2012	1700	8.40	14.90	240.7	-1.4	15.7
3/29/2012	1900	3.66	6.10	240.7	7.3	22.3
1/23/2012	1300	8.45	13.90	240.8	3.6	55.6
2/8/2012	900	11.87	15.60	240.8	0.4	60.5
2/21/2012	1800	8.50	13.10	240.8	-1.4	8.2
2/10/2011	2000	9.29	12.40	240.9	-9.9	14
3/14/2011	1300	5.94	12.00	240.9	9.4	17
20100122	1300	10.12	14.10	241	1.7	15
20100320	0	1.88	2.80	241	-14.8	5
1/12/2011	1600	9.59	15.40	241	-3.2	6
1/28/2011	300	6.87	11.80	241	-0.7	4
2/22/2011	300	2.36	6.30	241	-5.1	63
1/12/2012	900	6.78	9.80	241	-9.1	45.4
20100116	100	5.64	6.90	241.1	-8.5	8
2/17/2011	1900	2.07	3.40	241.1	-7.7	75
3/16/2011	1100	14.74	21.60	241.1	13.3	36
3/30/2012	1600	9.62	14.70	241.1	16	25.7
20100330	1000	14.00	20.30	241.2	15	61
1/5/2011	500	8.09	12.60	241.2	-6.6	25
2/26/2011	1900	6.80	11.10	241.2	-1.6	5
3/11/2011	100	10.04	15.60	241.2	5.3	11
3/17/2011	2000	4.18	6.30	241.2	-2.1	22
2/1/2012	1000	8.25	12.00	241.2	2.4	30.4
20100201	2200	3.15	6.40	241.3	-11.5	9
2/7/2011	400	8.63	12.10	241.3	-8.4	5
3/16/2011	0	4.49	8.80	241.3	4.5	9

1/17/2012	900	10.79	15.40	241.3	-13.6	28.8
1/29/2012	100	14.86	21.90	241.3	-3.3	85.4
20100126	2100	4.45	7.60	241.4	-4.2	12
20100201	2300	4.87	8.00	241.4	-11.1	4
20100321	0	5.47	8.70	241.4	-6.7	7
2/10/2011	800	9.81	13.40	241.4	-12.6	18
1/5/2012	1500	6.88	12.30	241.4	9.9	0
1/17/2012	1700	6.67	12.50	241.4	-11	19.4
1/31/2012	1000	9.99	13.40	241.4	2	25.7
3/23/2012	1700	4.39	8.30	241.4	17.9	20.5
20100115	800	6.02	8.60	241.5	-9.1	39
1/10/2011	400	1.83	2.90	241.5	-24.5	8
3/14/2011	1400	5.92	10.20	241.5	9	20
3/24/2011	1900	5.51	12.30	241.5	-0.3	13
1/31/2012	900	9.91	13.80	241.5	0.4	15.5
20100126	0	3.31	7.70	241.6	-8.3	6
1/26/2011	1400	7.35	9.90	241.6	0.5	7
3/16/2011	1800	6.57	9.60	241.6	8.7	9
2/24/2012	1700	7.69	11.70	241.6	-4.2	8.5
20100212	400	6.15	8.50	241.7	-9.2	4
20100224	200	7.45	10.30	241.7	-8.7	10
2/10/2011	900	8.63	12.60	241.7	-11	20
3/16/2011	1500	9.43	18.20	241.7	14.4	15
2/8/2012	1200	9.85	14.30	241.7	2.1	44
20100330	800	13.90	20.80	241.8	12.2	100
1/29/2011	700	7.91	12.80	241.8	0.9	10
2/18/2012	1300	5.17	8.40	241.8	0.8	18.1
2/29/2012	2100	6.64	10.80	241.8	-2.4	20.1
3/12/2012	700	7.62	11.80	241.8	3.2	60.9
3/14/2012	1500	9.24	14.20	241.8	14.4	28.2
3/16/2012	1500	9.22	14.00	241.8	16.2	31.3
20100219	1000	0.88	1.60	241.9	-15.2	8
2/9/2011	2100	6.57	10.40	241.9	-15	12
1/28/2012	2200	10.64	19.10	241.9	-3.4	39.1
20100123	500	4.31	7.30	242	-8.1	15
20100202	0	6.64	8.60	242	-9.5	8
20100328	0	1.99	3.60	242	-5.5	9

3/14/2011	700	5.26	9.00	242	1	18
1/10/2012	1800	6.67	11.20	242	2.3	38.9
1/14/2012	600	7.92	12.70	242	-0.8	21.7
3/12/2012	600	5.62	8.80	242	-0.1	46.4
3/13/2012	2300	4.55	7.80	242	3.6	12.7
1/20/2011	800	4.91	8.90	242.1	-11.6	16
2/13/2011	0	8.05	11.80	242.1	0	10
1/10/2012	1500	9.54	14.50	242.1	8	51.1
20100211	100	3.38	6.90	242.2	-9.9	17
2/7/2011	700	7.52	10.90	242.2	-6.7	10
3/4/2011	2200	5.73	8.60	242.2	-6.2	20
3/10/2011	700	7.43	13.20	242.2	1.5	10
1/25/2012	1900	7.37	12.00	242.2	1.8	9.1
20100321	1200	8.99	12.60	242.3	5.8	41
1/25/2011	0	6.14	8.90	242.3	-8.8	5
2/2/2011	1200	0.40	1.50	242.3	-20.2	5
2/28/2011	600	3.21	10.20	242.3	-4.1	24
3/15/2011	1600	7.72	12.00	242.3	8.5	39
3/19/2011	1700	11.01	16.30	242.3	8.4	33
1/3/2012	500	8.81	12.40	242.3	2.1	
1/14/2012	1200	10.17	15.60	242.3	6.7	56.9
2/25/2012	1200	12.85	22.00	242.3	5.2	50.9
3/5/2012	400	5.65	10.80	242.3	0.6	33.9
3/26/2012	1300	17.72	29.90	242.3	16.3	1877.6
20100225	300	5.99	8.70	242.4	-6.4	7
1/4/2011	2100	9.11	13.40	242.4	-8.4	9
1/23/2011	1700	7.59	11.30	242.4	-5.2	17
2/10/2011	2200	8.63	11.30	242.4	-9.8	7
2/12/2011	300	10.16	17.80	242.4	-4.9	8
2/22/2011	1300	14.46	20.60	242.4	1.9	39
3/19/2012	100	3.95	6.60	242.4	-6.4	5.1
1/6/2011	700	10.52	15.10	242.5	-4	8
1/20/2011	900	7.38	11.40	242.5	-8.5	9
2/22/2011	1500	14.84	20.70	242.5	2	124
3/16/2011	800	7.24	10.90	242.5	9.2	12
1/21/2012	500	7.76	17.10	242.5	2.4	14.6
2/1/2012	900	7.58	10.20	242.5	0.2	23.1

2/1/2012	1200	7.52	11.00	242.5	4.9	52.3
3/20/2012	1100	2.38	6.40	242.5	1.4	7.9
20100216	800	1.69	3.30	242.6	-21.9	65
20100325	1800	7.09	10.20	242.6	2	21
1/15/2011	200	5.25	9.60	242.6	-2	9
1/19/2011	1800	1.34	2.90	242.6	-13.5	14
1/28/2011	100	7.98	11.80	242.6	0	5
2/14/2011	1500	10.56	15.00	242.6	6 4	45
2/26/2011	600	4.64	7.00	242.6	-4.1	11
3/10/2011	600	7.34	11.60	242.6	-0.3	10
1/14/2012	800	9.61	14.90	242.6	0.9	58.5
3/1/2012	700	6.53	9.60	242.6	-6.9	14.5
20100328	600	8.23	12.40	242.7	-2.5	21
20100329	2200	8.88	14.90	242.7	7.5	18
2/12/2011	200	9.92	14.50	242.7	-5.7	10
3/6/2011	300	5.76	8.80	242.7	-2.4	25
2/10/2011	500	10.14	14.10	242.8	-14	20
2/22/2011	1100	8.91	14.40	242.8	0.7	35
3/2/2011	1200	10.72	15.40	242.8	8.2	23
3/4/2011	2100	5.75	8.50	242.8	-5.4	19
3/16/2011	1600	10.26	16.20	242.8	13.2	20
1/2/2012	1400	7.76	11.20	242.8	9.1	
1/30/2012	700	5.64	13.80	242.8	-0.4	21.3
3/12/2012	0	3.15	6.10	242.8	1.1	21.3
20100102	0	7.91	13.70	242.9	-1.1	12
20100119	1800	6.69	8.30	242.9	-5.9	6
1/8/2011	800	6.65	10.20	242.9	-1.4	6
1/25/2011	200	5.29	8.60	242.9	-8.9	3
2/10/2011	2100	9.06	11.90	242.9	-9.6	15
3/19/2011	1500	13.48	19.60	242.9	10.9	191
2/20/2012	2100	9.52	15.00	242.9	-7	40.3
20100101	2300	8.83	16.40	243	-0.6	7
20100224	0	6.09	10.70	243	-9.4	13
1/1/2011	1600	10.58	14.80	243	-15.8	69
1/29/2011	0	2.35	7.30	243	1.6	12
2/26/2011	2200	6.40	9.20	243	-2.7	20
3/21/2011	2000	2.18	5.10	243	7 1	29

3/19/2012	1900	3.04	4.10	243	-6.3	30.7
3/4/2012	2000	7.34	11.70	243.1	0.9	20.3
20100131	1200	7.71	11.30	243.2	-0.9	29
1/6/2011	400	10.76	15.90	243.2	-4.1	9
2/10/2011	100	8.96	12.50	243.2	-13.5	11
2/10/2011	700	9.23	12.60	243.2	-13.6	27
2/27/2011	900	4.11	9.20	243.2	0.8	55
1/3/2012	400	7.43	16.60	243.2	3.8	
1/14/2012	700	8.70	12.20	243.2	-1.3	26.8
20100115	300	8.06	10.30	243.3	-6.8	4
20100321	700	7.75	11.40	243.3	-3	58
1/23/2011	800	9.34	14.30	243.3	-7.4	12
2/12/2011	100	9.50	14.30	243.3	-5.3	6
3/16/2011	1000	14.46	22.10	243.3	12.9	26
1/18/2012	1300	9.25	14.90	243.3	-1.2	23.2
2/12/2012	2200	1.46	2.60	243.3	-2	8
3/4/2012	100	7.49	13.90	243.3	-1.3	7.8
20100120	0	4.76	6.40	243.4	-9.6	5
20100321	1100	9.09	11.90	243.4	4.5	20
1/5/2011	2100	11.11	15.30	243.4	-5.5	9
2/22/2011	1400	15.61	21.70	243.4	2	51
20100119	2100	5.56	9.40	243.5	-9.1	30
20100330	700	12.80	18.70	243.5	9.4	66
1/23/2011	2000	7.89	14.30	243.5	-4.9	9
2/23/2012	2000	2.81	5.00	243.5	-15.4	10.9
20100120	1900	1.71	3.20	243.6	-10	16
20100210	2100	3.35	5.50	243.6	-7.2	31
20100330	300	8.17	15.20	243.6	7.7	17
1/8/2011	300	7.01	9.40	243.6	-2.4	9
1/15/2011	0	5.97	10.00	243.6	-2.4	5
2/10/2011	2300	8.14	11.10	243.6	-9.6	6
2/17/2011	1800	3.96	7.80	243.6	-6.6	107
1/17/2012	1900	7.22	9.20	243.6	-13	13
1/21/2012	2000	13.13	18.10	243.6	2.6	7
3/3/2012	100	7.39	11.50	243.6	-10.1	15.7
3/3/2012	2200	14.44	23.90	243.6	-1	46.7
20100125	2100	5.87	9.90	243.7	-8.1	11

1/2/2011	100	6.69	13.60	243.7	-13.3	21
1/4/2011	600	8.41	13.40	243.7	-7.8	10
1/12/2011	2300	10.00	14.60	243.7	-2.5	6
3/10/2011	500	5.61	10.10	243.7	-0.5	9
3/14/2011	1500	6.64	10.20	243.7	9	22
3/20/2011	1200	8.72	13.30	243.7	10.2	37
1/26/2012	1800	8.18	11.80	243.7	1.7	18.7
20100225	200	6.63	8.90	243.8	-6.2	6
20100321	1300	9.02	12.40	243.8	6.4	16
20100322	900	6.76	11.00	243.8	6.8	34
2/9/2011	2000	6.19	10.40	243.8	-16	12
2/9/2011	2200	7.49	12.10	243.8	-15.1	18
3/10/2011	0	8.55	12.30	243.8	0.3	29
1/3/2012	1000	6.54	11.20	243.8	7.9	
1/16/2012	1000	10.05	15.40	243.8	2.1	66.8
2/21/2012	1900	10.13	13.80	243.8	-1.6	9.2
2/29/2012	2200	8.03	12.30	243.8	-2.3	20.1
3/27/2012	1600	8.50	12.30	243.8	12.6	40.3
20100221	200	0.95	2.30	243.9	-16	8
1/6/2011	1800	5.27	11.20	243.9	-1.5	77
1/13/2011	300	11.26	15.60	243.9	-2.3	6
2/10/2011	1900	7.19	13.00	243.9	-10.4	7
2/18/2011	1600	9.76	16.00	243.9	2.4	17
2/20/2011	1000	8.96	15.80	243.9	-1.7	12
3/4/2011	1900	3.80	7.90	243.9	-5	19
3/15/2011	1800	5.73	10.00	243.9	4.4	15
1/15/2012	1100	9.99	15.10	243.9	7.1	33.3
1/25/2012	100	7.81	11.10	243.9	-6.6	6.4
2/18/2012	2200	3.61	7.80	243.9	-4.3	27.6
3/19/2012	1500	5.68	9.70	243.9	1.9	19.3
20100101	1100	10.67	13.80	244	-0.7	6
2/4/2012	1000	1.71	3.10	244	-9	16
2/21/2012	400	7.46	12.70	244	-7.6	11.7
20100321	1000	8.44	11.40	244.1	3.2	16
1/8/2011	1000	7.68	12.90	244.1	1.3	12
1/30/2011	1800	4.61	7.00	244.1	-0.2	14
2/10/2011	400	10.28	14.20	244.1	-13.3	19

2/26/2011	400	8.23	13.90	244.1	-1.6	15
3/2/2011	1100	12.03	16.50	244.1	8	19
3/4/2011	200	4.11	6.20	244.1	-3.2	-3
3/5/2012	0	8.35	13.60	244.1	1.7	22.6
20100104	1300	4.15	7.30	244.2	-4.2	9
1/5/2011	600	10.77	16.20	244.2	-6.4	10
1/15/2011	2200	5.57	8.80	244.2	-1	59
1/25/2011	400	6.49	10.10	244.2	-8.1	8
1/31/2012	1300	7.44	15.90	244.2	4.9	21.8
1/23/2011	1800	8.86	14.60	244.3	-5.4	9
1/30/2011	1200	6.01	12.30	244.3	6.5	8
3/1/2011	300	5.39	7.70	244.3	-1.9	30
3/19/2011	1600	12.18	17.80	244.3	9.8	89
1/26/2012	1100	10.15	14.80	244.3	5.3	63.8
20100210	300	3.57	5.60	244.4	-7.8	7
2/12/2011	2000	10.58	14.20	244.4	-1.6	51
3/17/2011	2100	3.71	5.70	244.4	-2.2	16
2/20/2012	2200	10.35	14.90	244.4	-7.2	19.5
3/11/2012	2000	2.41	6.60	244.4	2.2	20.9
20100122	1000	9.85	14.50	244.5	1.1	14
20100210	400	3.45	8.40	244.5	-7.7	7
1/24/2011	2300	6.85	10.30	244.5	-8.5	5
1/31/2011	200	5.80	8.30	244.5	-0.5	7
2/23/2012	2200	4.76	7.60	244.5	-13.8	15.4
3/28/2012	1400	7.49	13.50	244.5	17.2	29.3
20100224	100	7.29	11.10	244.6	-9.2	13
2/20/2011	900	6.07	12.00	244.6	-2.2	12
3/18/2011	1700	5.79	9.70	244.6	6.4	5
1/17/2012	1600	7.24	12.50	244.6	-10.4	26.7
20100122	2100	7.84	11.80	244.7	-6.3	5
20100321	800	7.38	10.50	244.7	-0.8	18
2/9/2011	1700	1.14	3.70	244.7	-21.4	13
1/5/2012	2100	7.66	11.10	244.7	3.2	117.9
20100206	0	4.42	7.00	244.8	-5.2	42
20100210	700	8.52	10.50	244.8	-9.4	8
2/28/2011	1100	10.42	15.00	244.8	3.3	95
20100102	200	8.07	12.60	244.9	-1.1	31

1/5/2011	1000	11.67	17.90	244.9	-4.4	82
3/15/2011	200	6.73	10.50	244.9	0.3	34
3/8/2012	300	1.74	3.00	244.9	-11.1	9.5
3/12/2012	500	4.48	7.30	244.9	-1	39.6
20100102	700	5.31	9.80	245	-1.9	11
20100329	1500	10.00	15.80	245	11.1	35
1/4/2011	700	10.45	15.20	245	-7.6	9
2/9/2011	300	0.75	1.40	245	-31	11
2/12/2011	1900	9.24	14.80	245	-1.3	89
2/20/2011	600	1.43	3.90	245	-6.5	8
3/15/2011	2100	6.12	9.50	245	3.4	9
2/16/2011	800	7.50	13.70	245.1	4.2	7
2/20/2012	1900	13.04	18.90	245.1	-8.2	71.7
20100101	1400	7.20	10.50	245.2	0.7	7
20100104	2200	6.56	8.40	245.2	-5.1	3
20100122	2200	6.66	9.50	245.2	-7	6
1/6/2011	1500	5.41	11.50	245.2	0	45
1/19/2011	900	4.78	7.10	245.2	-1.7	8
3/29/2011	1800	6.55	9.30	245.2	1.1	31
1/29/2012	300	12.77	18.30	245.2	-3.4	16.4
3/5/2012	1800	5.79	10.90	245.2	3.9	35.4
3/18/2012	2000	8.35	13.40	245.2	0.8	28.6
3/28/2012	1200	8.63	14.00	245.2	16.3	46.4
3/28/2012	1600	8.78	13.20	245.2	16.5	30.6
3/28/2012	1700	8.48	12.70	245.2	15.7	30.5
1/6/2011	300	11.66	18.70	245.3	-3.8	18
1/20/2011	1600	11.83	17.50	245.3	-5.1	29
3/2/2011	1400	10.15	16.00	245.3	8.6	21
1/22/2012	2300	8.57	14.10	245.3	-5.4	13.3
3/19/2012	1100	8.81	14.60	245.3	0.6	24.2
20100131	2100	5.06	9.60	245.4	-5.8	10
20100228	500	1.76	3.30	245.4	-5.7	22
20100321	900	8.54	12.10	245.4	1	23
1/1/2011	1000	8.98	12.80	245.4	-16	38
1/15/2011	1900	3.43	6.20	245.4	-1	14
1/19/2012	1900	8.79	17.40	245.4	5.2	5.3
2/20/2012	2000	11.92	19.00	245.4	-7.6	38.4

20100225	400	7.05	9.10	245.5	-5.4	7
2/26/2011	1500	12.12	17.70	245.5	2.2	9
3/5/2011	400	6.49	11.40	245.5	-6.5	6
3/15/2011	1000	7.37	12.00	245.5	6.4	110
3/16/2011	1400	11.45	17.90	245.5	14.1	16
20100126	1700	7.24	10.00	245.6	-1.4	6
20100127	700	7.73	11.00	245.6	-5.6	28
1/25/2011	500	7.47	11.70	245.6	-7.6	5
2/20/2011	1100	10.90	18.70	245.6	-1.3	8
2/20/2012	1800	8.92	17.00	245.6	-8.2	34.8
20100209	900	0.81	2.70	245.7	-21.4	39
20100328	1800	6.19	10.40	245.7	3.7	19
1/1/2011	900	9.43	13.60	245.7	-16.7	34
1/14/2011	600	6.48	9.10	245.7	-2.6	17
2/18/2011	1700	6.48	9.10	245.7	0.8	38
1/17/2012	2100	8.36	16.60	245.7	-11	78.4
3/4/2012	2200	6.92	10.50	245.7	0.6	21.7
3/29/2012	1800	5.88	8.40	245.7	9	21.2
20100224	300	7.27	11.20	245.8	-9.4	10
20100301	700	1.75	2.50	245.8	-5	13
1/6/2011	200	11.90	18.10	245.8	-3.9	9
1/24/2011	2000	6.87	10.00	245.8	-8.2	4
2/27/2011	0	7.70	10.80	245.8	-2.5	4
1/5/2012	1200	10.24	14.30	245.8	11.7	
20100122	1600	8.48	10.70	245.9	-2.6	8
20100227	200	5.24	7.10	245.9	-10.6	6
1/16/2011	1000	12.31	18.20	245.9	0.2	59
1/23/2011	1900	10.35	16.60	245.9	-4.8	12
1/28/2012	100	6.56	10.20	245.9	-10.3	31.2
1/30/2012	0	9.48	15.60	245.9	1.9	5.4
1/30/2012	1700	8.25	14.20	245.9	1.4	37.8
2/21/2012	1600	11.07	15.70	245.9	-1.1	22.3
1/28/2011	700	5.50	8.80	246	-0.2	10
1/4/2012	1500	4.81	10.70	246	7.1	
1/17/2012	1100	10.08	14.70	246	-11.1	43
1/19/2012	600	5.88	12.70	246	0.9	18.8
20100101	100	9.89	15.70	246.1	-6.3	26

1/16/2011	200	4.39	6.90	246.1	-4.9	-1
1/24/2011	0	2.77	6.90	246.1	-4.3	7
1/28/2011	200	7.08	11.80	246.1	0	7
2/28/2011	800	11.50	18.40	246.1	-0.6	34
20100228	1100	1.21	2.50	246.2	-1.6	9
1/8/2011	1200	8.54	12.50	246.2	2.6	53
1/23/2012	500	7.28	13.20	246.2	-4.8	6.3
20100131	2300	9.28	12.30	246.3	-5.6	6
20100219	1700	1.76	4.80	246.3	-11.8	11
1/5/2011	800	14.33	20.30	246.3	-5.9	18
2/26/2011	2000	3.23	6.00	246.3	-2.6	9
2/28/2011	1200	9.76	13.80	246.3	4.6	31
1/23/2012	700	4.89	9.60	246.3	-5	6.9
20100210	800	8.06	11.50	246.4	-7.6	9
1/15/2011	1200	9.67	12.70	246.4	1.5	38
1/20/2011	1300	10.90	15.00	246.4	-4.5	71
1/14/2012	400	3.60	8.20	246.4	-1.4	21.5
3/5/2012	2100	7.48	11.50	246.4	3.8	14.4
20100115	200	8.22	10.50	246.5	-6.2	5
1/20/2011	700	2.98	4.40	246.5	-14.8	5
1/23/2011	500	6.14	10.00	246.5	-9.8	6
2/10/2011	300	10.37	14.20	246.5	-13.1	13
1/25/2012	1300	10.80	18.60	246.5	6.4	68.7
20100101	1300	7.47	10.80	246.6	1	11
20100201	100	7.09	9.80	246.6	-6.9	6
20100310	900	1.13	3.90	246.6	-3.6	16
1/6/2011	100	9.84	14.30	246.6	-5	51
1/14/2011	400	6.77	10.40	246.6	-1.3	11
1/26/2011	2100	7.59	10.20	246.6	-3	13
20100101	2200	11.25	16.80	246.7	-1.3	7
20100105	500	8.20	11.80	246.7	-2.7	4
20100131	1300	6.72	10.50	246.7	-0.3	16
1/2/2011	2100	7.02	11.60	246.7	-7.2	43
1/12/2011	1100	8.41	13.70	246.7	-3.1	14
1/24/2011	2200	6.74	10.00	246.7	-8.4	5
2/10/2011	1000	7.34	11.20	246.7	-9	31
2/27/2011	300	5.27	9.70	246.7	-2.8	54

1/19/2012	800	8.13	12.60	246.7	2.3	13.1
2/25/2012	1300	15.33	22.10	246.7	4.9	62.4
20100212	200	6.62	8.30	246.8	-9.5	5
20100223	2200	7.12	10.20	246.8	-9.8	23
1/13/2011	0	10.51	13.90	246.8	-2.4	6
1/20/2011	1500	12.32	19.00	246.8	-4.8	54
1/23/2011	900	8.18	12.10	246.8	-6	14
1/24/2011	1900	6.19	9.80	246.8	-8.4	10
1/25/2011	300	6.45	11.40	246.8	-8.3	3
3/28/2011	2300	4.03	7.20	246.8	-3.6	-4
1/4/2012	1400	8.45	11.50	246.8	8.5	
3/30/2012	700	7.76	11.80	246.8	9.7	64.8
20100123	0	4.20	7.70	246.9	-8	4
20100202	1400	7.61	9.80	246.9	0.1	8
1/8/2011	700	5.93	10.20	246.9	-1.7	5
1/12/2011	1300	10.37	14.00	246.9	-2.4	8
1/27/2011	400	7.24	10.70	246.9	-2.9	28
1/4/2011	2300	5.91	12.30	247	-8.2	8
1/13/2011	600	12.41	17.30	247	-2.4	10
3/28/2011	2100	1.77	3.20	247	-3.2	31
1/20/2012	100	7.50	15.20	247	3.1	10.8
2/10/2011	600	10.27	14.40	247.1	-13.9	22
2/18/2012	1200	7.08	9.20	247.1	-0.2	18.4
3/1/2012	0	7.27	11.80	247.1	-2.7	25.2
20100102	1000	3.91	7.90	247.2	-1	13
20100104	1700	1.08	4.50	247.2	-7.4	15
20100113	300	4.61	7.60	247.2	-1.3	6
1/1/2011	1500	10.60	14.40	247.2	-15.1	73
1/28/2011	400	7.14	10.90	247.2	-0.3	6
2/22/2011	1600	11.55	17.50	247.2	1.6	132
3/23/2011	1600	6.10	12.70	247.2	5.3	36
1/4/2012	1000	5.90	10.00	247.2	6.4	
20100321	1400	7.20	12.80	247.3	7.2	8
20100328	800	9.38	13.00	247.3	2.3	9
1/10/2011	300	2.04	2.90	247.3	-23	11
1/19/2012	700	8.49	12.60	247.3	1.8	13.3
1/22/2012	2200	11.84	18.70	247.3	-4.7	26.8

1/31/2012	1100	9.64	14.60	247.3	3.5	58.5
3/29/2012	2300	5.34	8.90	247.3	6.6	26.7
20100131	2000	6.54	10.30	247.4	-5.8	6
1/1/2011	1700	8.71	13.20	247.4	-16.4	66
2/26/2011	1400	13.61	18.70	247.4	2.6	17
1/20/2012	400	9.13	15.50	247.4	1.2	37.8
3/29/2012	2200	3.86	6.40	247.4	7.5	27.6
20100119	1700	7.22	9.60	247.5	-2.9	5
3/5/2011	1100	7.52	10.60	247.5	1.2	15
2/8/2012	500	4.82	8.50	247.5	-5.9	28.2
3/12/2012	1400	8.09	13.20	247.5	11.7	49.9
1/6/2011	2200	8.42	14.20	247.6	-1.2	9
3/5/2011	0	6.94	10.20	247.6	-5.6	3
1/21/2012	2100	13.62	20.00	247.6	1.9	9.1
1/31/2012	1500	7.39	10.40	247.6	3.3	0
1/8/2011	400	6.68	9.40	247.7	-1.2	13
1/16/2011	0	4.94	7.60	247.7	-1.5	6
3/18/2012	1900	5.71	14.60	247.7	2.5	53.7
1/1/2011	800	10.62	15.40	247.8	-17.6	42
2/12/2011	2300	9.73	15.20	247.8	-0.7	14
2/15/2011	800	7.30	12.80	247.8	1.8	101
2/20/2011	300	7.68	12.50	247.8	-1.7	-4
3/25/2012	1100	5.89	11.70	247.8	18.5	32.3
20100210	1000	7.21	11.80	247.9	-3.8	22
1/15/2011	1100	6.54	13.90	247.9	1	51
1/23/2012	1400	6.54	10.50	247.9	3.8	22.6
1/23/2011	1300	10.02	14.70	248	-2.8	94
2/28/2011	1300	10.16	16.00	248	6	15
1/1/2012	600	9.34	13.70	248	-3.9	
1/23/2012	1000	8.69	17.00	248	0.6	99.4
2/5/2012	1000	1.22	2.50	248	-4.4	13.7
3/12/2012	800	7.74	11.20	248	6.2	52.8
3/12/2012	1300	8.70	15.30	248	11.6	53.6
3/15/2012	1400	7.66	12.30	248	14.8	23.3
20100210	1700	5.69	9.50	248.1	-4.6	25
1/26/2011	1800	5.46	8.00	248.1	-3.7	11
3/4/2011	100	2.85	4.50	248.1	-3	7

1/21/2012	2200	13.29	18.80	248.1	1	6.3
3/12/2012	1500	8.50	14.60	248.1	11.4	36.9
20100107	1300	0.79	1.80	248.2	-23.6	26
20100206	100	5.65	8.30	248.2	-3.4	6
1/1/2011	700	10.29	14.30	248.2	-18.4	34
2/22/2011	400	2.28	6.50	248.2	-5.4	38
3/1/2011	600	6.12	8.90	248.2	-2.3	8
20100101	1200	9.02	14.80	248.3	0.6	6
20100210	200	1.75	4.60	248.3	-6.7	13
20100225	0	4.81	6.30	248.3	-5.9	8
1/2/2011	500	7.28	19.30	248.3	-11.8	67
1/5/2011	700	12.82	18.60	248.3	-6.3	14
1/14/2011	0	6.35	10.80	248.3	0.2	48
1/18/2011	2000	7.74	14.20	248.3	-0.7	41
1/15/2012	0	11.31	16.60	248.3	3.3	21.6
1/30/2012	1000	6.79	12.10	248.3	3.8	26.3
3/29/2012	700	5.08	10.00	248.3	4.3	30.1
20100102	1100	6.58	9.80	248.4	-0.8	6
1/5/2011	2300	7.30	10.50	248.4	-6	15
2/16/2011	0	5.62	10.00	248.4	3.5	4
2/17/2011	100	10.50	21.70	248.4	3.3	14
3/4/2011	2000	5.36	8.10	248.4	-4.7	27
3/30/2012	1500	8.06	12.20	248.4	15.7	35.4
20100118	1700	6.74	9.70	248.5	-0.5	11
20100212	300	6.10	8.30	248.5	-8.9	4
20100329	900	9.09	14.30	248.5	8.5	47
1/26/2011	400	1.06	2.30	248.5	-5.6	10
2/24/2011	1000	3.99	8.50	248.5	-2.6	17
2/18/2012	2300	5.30	8.80	248.5	-2.5	7.6
20100122	1100	11.88	16.80	248.6	2.2	7
20100205	2000	5.17	8.80	248.6	-2.7	10
1/23/2012	900	2.63	6.50	248.6	-0.7	24.5
2/18/2012	1100	8.10	10.70	248.6	-1.7	40.3
2/22/2011	1700	6.93	13.60	248.7	-0.7	39
1/21/2012	400	10.85	20.60	248.7	2.9	73.9
3/30/2012	1000	7.80	13.80	248.7	14.3	31
20100216	2300	7.24	9.00	248.8	-8.3	10

20100201	200	6.05	10.30	248.9	-7.3	6
3/3/2011	900	6.76	11.40	248.9	4.8	16
1/20/2012	700	7.77	11.60	248.9	1	14.9
2/21/2012	200	7.21	12.70	248.9	-7.3	33.9
2/21/2011	2200	5.13	9.10	249	-5.9	16
20100212	500	6.47	8.70	249.1	-8	6
1/22/2012	1800	6.90	12.60	249.1	-6.4	20.4
1/19/2011	700	3.39	5.30	249.2	-3.2	21
1/21/2011	1900	7.26	12.30	249.2	-4.4	7
2/22/2011	1800	5.77	10.30	249.2	-2.5	23
3/23/2011	700	7.26	12.60	249.2	-2	41
1/29/2012	1400	11.17	16.90	249.2	6.4	56.5
20100104	1900	6.67	8.70	249.3	-4.2	5
1/25/2011	600	8.24	11.80	249.3	-7.3	13
2/10/2011	200	10.79	15.40	249.3	-12.5	19
2/26/2011	200	8.67	14.00	249.3	-0.9	3
2/21/2012	1500	9.96	15.50	249.3	-0.9	28.5
20100122	1200	12.43	16.40	249.4	2.1	8
20100131	1600	6.41	10.70	249.4	-2.7	9
20100209	2100	3.26	6.90	249.4	-8.6	16
1/4/2011	1800	7.92	12.80	249.4	-7.7	17
1/30/2011	1500	6.94	10.30	249.4	5	62
3/20/2011	1000	12.44	17.90	249.4	8.3	29
2/21/2012	2000	10.83	16.30	249.4	-1.4	27.3
3/1/2012	800	8.36	11.90	249.4	-6.1	27.8
1/23/2011	600	8.24	12.60	249.5	-8.7	2
2/26/2011	300	9.58	13.90	249.5	-1	9
2/26/2011	1300	12.96	19.90	249.5	2.4	5
3/3/2011	200	7.09	11.70	249.5	1.9	10
3/10/2011	200	9.46	15.30	249.5	0.2	11
2/17/2012	800	7.23	10.10	249.5	-4.5	118.3
3/26/2012	1400	17.65	28.60	249.5	14.4	1384.8
1/14/2011	1700	5.73	8.70	249.6	-1.4	34
1/26/2011	2000	8.49	11.80	249.6	-2.7	13
1/27/2011	1800	6.72	8.80	249.6	-0.1	51
3/16/2011	300	6.94	11.60	249.6	5.3	14
20100212	2000	6.42	10.20	249.7	-1.9	8

3/10/2011	100	11.81	19.90	249.7	0.2	24
3/26/2011	100	2.19	5.50	249.7	-3.3	22
1/12/2012	800	6.06	9.20	249.7	-10.9	88.4
1/1/2011	2100	6.99	12.00	249.8	-15.7	13
1/10/2011	200	1.61	3.10	249.8	-23.1	17
1/13/2011	400	9.63	17.40	249.8	-1.9	6
1/15/2011	100	5.93	9.20	249.8	-2.2	8
1/21/2011	1700	7.22	12.40	249.8	-3.8	22
3/3/2011	300	8.87	14.20	249.8	2.8	6
3/4/2011	2300	7.31	11.70	249.8	-5.9	12
1/20/2012	600	8.60	12.30	249.8	1.3	21
1/28/2012	2300	15.22	21.60	249.8	-3.1	162.5
20100225	500	6.48	10.30	249.9	-5.1	7
1/2/2011	1300	13.37	17.80	249.9	-6.6	31
3/24/2011	1600	8.24	14.50	249.9	1.5	146
2/18/2012	1000	8.08	10.90	249.9	-2.9	27.8
20100329	1400	9.38	16.10	250	12.4	29
1/10/2012	1700	6.29	9.00	250	2.7	28.4
2/8/2012	300	5.28	7.90	250	-6.1	10.6
3/4/2012	1800	6.37	13.50	250	1.7	42.6
3/17/2012	2300	3.70	5.50	250	1.2	22.7
3/30/2012	800	9.16	15.10	250	12	67.7
20100126	100	3.66	8.30	250.1	-9	6
20100304	900	1.92	6.60	250.1	-4.6	29
1/13/2011	200	11.27	14.90	250.1	-2.3	21
1/14/2011	1800	5.13	7.60	250.1	-2.7	11
1/23/2011	1500	9.59	14.60	250.1	-1.6	59
1/20/2012	800	7.22	12.40	250.1	0.5	28.6
2/7/2012	800	0.93	2.40	250.1	-10.3	13.3
20100216	2200	5.67	9.40	250.2	-10.9	10
2/11/2011	300	6.57	10.80	250.2	-9.5	19
2/14/2011	1100	5.62	11.00	250.2	5.5	33
3/28/2012	1300	8.68	17.10	250.2	16.9	47.1
20100116	1100	5.19	7.60	250.3	0.1	12
20100201	900	5.57	9.10	250.3	-5.9	16
20100322	800	8.10	11.40	250.3	5.2	20
20100330	500	8.48	16.70	250.3	7.7	19

1/2/2011	1200	12.34	17.60	250.3	-6.9	88
3/2/2011	2000	8.83	14.70	250.3	2.5	53
20100212	900	7.06	10.30	250.4	-3.2	7
1/5/2011	900	14.86	19.90	250.4	-5	41
3/24/2011	1800	6.50	10.50	250.4	0.3	35
3/31/2012	300	3.39	6.20	250.4	4.4	19.9
3/10/2011	800	10.83	14.80	250.5	4	13
1/12/2012	700	5.81	8.70	250.5	-13.7	96.6
2/20/2012	2300	7.87	11.60	250.5	-6.8	41.7
20100212	700	6.35	9.40	250.6	-6.5	24
20100212	1000	9.16	12.70	250.6	-2.4	25
20100328	1700	7.66	11.90	250.6	6.5	18
1/12/2011	1200	9.30	13.40	250.6	-2.5	12
1/23/2011	2200	5.92	12.00	250.6	-4.5	24
1/25/2012	1100	12.61	19.30	250.6	4.8	147.3
20100123	100	5.36	8.20	250.7	-9.2	3
20100210	900	8.89	13.10	250.7	-5.6	30
1/1/2011	1400	11.19	15.80	250.7	-14.8	112
1/4/2011	1300	9.14	12.70	250.7	-3.2	37
1/8/2011	200	3.31	7.60	250.7	-2.9	5
2/1/2011	900	0.95	1.80	250.7	-29.7	8
3/5/2011	1700	5.54	9.30	250.7	-0.3	76
1/19/2012	0	14.78	22.30	250.7	0.9	31.2
20100104	2000	5.88	7.70	250.8	-3.5	5
20100305	700	2.58	5.50	250.8	-2.9	11
1/5/2011	2200	11.39	16.10	250.8	-5.1	10
1/19/2011	500	4.99	8.70	250.8	-3.2	9
1/20/2011	1400	11.08	18.10	250.8	-3.7	28
1/26/2011	2200	7.08	10.30	250.8	-2.9	7
2/11/2011	0	7.86	11.50	250.8	-8.8	6
3/15/2011	400	9.63	13.40	250.8	0.2	5
1/15/2011	500	6.67	10.40	250.9	-2.5	97
1/19/2011	400	6.22	10.70	250.9	-2.6	17
2/21/2011	2100	5.22	7.60	250.9	-5.6	36
20100302	2100	2.02	3.10	251	-7.6	12
20100321	200	6.20	8.80	251	-6.6	8
20100322	300	5.99	9.20	251	0.9	16

1/1/2011	2000	9.61	13.30	251	-16.2	38
1/2/2011	700	14.70	20.00	251	-11.3	131
1/12/2011	2200	10.59	14.60	251	-2.2	6
2/11/2011	2100	7.84	14.70	251	-5.1	46
3/1/2011	700	8.85	13.10	251	0.2	28
3/9/2011	2100	10.08	15.30	251	-0.2	17
20100212	1800	5.15	9.60	251.1	-3.3	19
1/6/2011	2300	5.67	10.50	251.1	-1.5	31
1/12/2011	2100	8.91	13.50	251.1	-2.4	5
1/2/2011	0	6.13	10.90	251.2	-13.4	144
1/22/2011	300	11.61	16.10	251.2	-2.2	79
1/18/2012	1200	11.52	18.10	251.2	-1.9	44.2
3/19/2012	1700	4.78	8.30	251.2	-1.4	16.9
3/26/2012	700	1.13	3.00	251.2	1.6	243.1
1/14/2011	300	8.51	12.00	251.3	-1.1	28
1/15/2011	2300	7.21	10.30	251.3	-0.6	6
3/1/2011	800	11.08	15.10	251.3	1.8	80
3/5/2011	2000	7.17	11.50	251.3	-1.9	16
2/16/2012	1800	5.96	7.90	251.3	-6.1	30.6
20100329	300	7.09	14.50	251.4	1.9	8
1/4/2011	1700	6.36	10.10	251.4	-7.2	7
1/20/2011	1200	12.11	16.60	251.4	-5.4	41
2/15/2011	1100	9.59	13.40	251.4	6.2	74
1/6/2012	100	8.90	13.40	251.4	2.7	22.4
1/2/2011	600	13.65	19.10	251.5	-11.5	16
1/12/2011	1900	10.04	16.90	251.5	-3	127
1/30/2012	100	6.79	9.40	251.5	-0.4	24.4
2/24/2012	100	5.42	8.30	251.5	-13.8	18.5
1/22/2011	200	12.60	18.60	251.6	-2	14
1/27/2011	0	6.82	10.90	251.6	-2.6	42
20100131	1100	6.82	12.40	251.7	-2.1	27
1/16/2011	900	10.42	16.50	251.7	0.1	17
3/5/2011	300	5.91	12.50	251.7	-6.1	9
1/16/2012	1100	10.50	15.00	251.7	1.2	107
20100202	1700	5.43	7.70	251.8	-1.7	5
1/6/2011	1900	4.54	11.20	251.8	-1.3	21
1/17/2012	1200	10.65	15.20	251.8	-10	44.9

3/27/2012	900	9.80	14.90	251.8	7.2	46.9
20100321	1600	6.27	10.50	251.9	6.8	11
20100328	1100	7.46	11.40	251.9	7.2	10
2/7/2011	1000	7.70	11.60	251.9	-2.8	7
2/21/2011	1700	5.56	10.50	251.9	-3.6	91
1/20/2012	300	9.74	15.10	251.9	1.8	30.5
20100125	2000	8.57	11.80	252	-7.5	5
1/1/2011	1800	10.23	13.70	252	-16.7	25
1/5/2011	1800	8.06	12.00	252	-5.3	80
1/18/2011	1800	4.63	7.70	252	-1.8	26
2/16/2011	400	5.05	11.80	252	1.6	44
1/1/2011	100	10.09	15.20	252.1	-19.1	24
2/12/2011	0	10.38	15.80	252.1	-5.2	21
2/20/2012	1700	9.40	16.20	252.1	-7.5	63.1
1/5/2011	2000	9.17	12.50	252.2	-5.3	45
1/6/2011	800	9.82	13.20	252.2	-3.4	10
2/14/2011	1200	4.82	8.70	252.2	6.3	9
20100122	1500	8.86	10.90	252.3	-0.3	7
1/14/2011	2000	3.83	8.10	252.3	-3.5	6
1/15/2011	1300	7.93	11.50	252.3	1.7	15
3/6/2011	400	3.98	6.30	252.3	-2.7	7
20100322	100	7.83	11.40	252.4	1.4	12
1/14/2011	2200	4.71	8.20	252.4	-3.7	93
2/22/2011	1900	9.51	15.90	252.4	-1.9	17
1/13/2012	1900	8.26	13.10	252.4	-3.8	39
1/28/2012	1700	8.88	14.70	252.4	-3.8	61.2
2/8/2012	1800	5.91	9.50	252.4	-0.8	66
3/4/2012	1900	5.32	10.60	252.4	0.9	44.7
3/25/2012	1300	7.22	12.10	252.4	19.1	12.6
20100118	1600	6.89	8.90	252.5	-0.5	9
2/12/2011	2100	10.40	17.00	252.5	-1.2	7
3/8/2011	2200	7.28	12.50	252.5	-4.5	22
3/31/2012	700	3.84	5.20	252.5	7.4	52.7
2/28/2011	0	1.28	4.10	252.6	-7.7	15
3/5/2011	700	5.90	9.50	252.6	-2.8	32
3/5/2011	1300	7.29	12.00	252.6	1.1	17
1/17/2012	1500	9.31	14.30	252.6	-8.6	35.2

3/21/2012	2100	2.52	4.70	252.6	-2.3	28.8
20100201	2100	4.99	7.00	252.7	-10	4
20100202	1200	6.85	11.60	252.7	0.5	8
20100210	1600	4.20	7.20	252.7	-2.7	17
20100217	1000	6.54	8.40	252.7	-1.1	12
20100328	900	9.59	13.10	252.7	4.2	8
1/6/2012	0	6.53	10.40	252.7	2.7	24.5
1/28/2012	2000	9.55	17.00	252.7	-2.9	51.7
20100123	200	6.80	10.90	252.8	-7.7	6
2/26/2011	1100	9.74	14.20	252.8	0.2	5
2/28/2011	1000	10.14	15.90	252.8	2.6	33
2/24/2012	1400	11.21	15.20	252.8	-3.5	45.2
20100104	2100	6.30	8.30	252.9	-3.8	2
1/14/2011	500	6.42	9.20	252.9	-2.2	5
3/15/2011	100	7.29	11.90	252.9	1.1	27
2/8/2012	400	4.84	7.50	252.9	-6.4	5.8
2/24/2012	1600	9.00	12.50	252.9	-2.9	24.7
2/20/2011	2200	8.28	16.80	253	-4.4	27
2/27/2011	400	6.95	12.50	253.1	-2.6	51
1/13/2012	1000	7.19	12.90	253.1	-1.7	49.8
3/4/2012	1200	13.00	18.50	253.1	5.3	72.7
20100101	1500	9.45	13.90	253.2	0.6	7
20100206	1000	1.02	2.90	253.2	0.9	3
1/20/2011	2100	6.33	12.00	253.2	-3.5	19
2/22/2011	2000	7.03	12.20	253.2	-3.2	14
3/3/2011	400	2.93	10.50	253.2	0.8	23
1/19/2012	2000	11.56	21.00	253.2	5.7	65
1/31/2012	1400	6.80	10.70	253.2	4.8	39.8
20100131	700	1.40	4.50	253.3	-15.8	17
1/2/2011	1400	12.81	17.80	253.3	-6.4	42
1/5/2011	1200	9.88	15.10	253.3	-3.4	15
1/7/2011	0	6.09	9.60	253.3	-2.3	11
1/28/2012	1800	7.43	11.60	253.3	-3.9	51.6
1/30/2012	800	8.80	14.90	253.3	2.4	52.6
20100328	500	6.27	12.00	253.4	-3.8	6
1/1/2011	600	10.94	17.40	253.4	-18.3	50
1/20/2011	1100	11.03	16.10	253.4	-6.3	43

1/23/2011	2100	9.60	15.60	253.4	-4.1	11
3/1/2011	1300	6.51	10.50	253.4	7.2	49
1/5/2012	1800	6.61	10.10	253.4	5.6	137.1
1/6/2012	600	5.26	8.00	253.4	-0.8	65.2
1/19/2012	2300	8.65	14.90	253.4	3.9	31.3
1/20/2012	500	7.15	10.70	253.4	1	52.4
1/30/2012	1100	12.80	18.40	253.4	6.1	118.6
20100126	1600	5.73	8.20	253.5	-0.5	8
1/14/2011	1900	3.77	6.70	253.5	-4.7	5
3/17/2011	1300	8.91	12.30	253.5	2.1	68
1/13/2012	700	11.28	15.90	253.5	-5.7	187.1
1/22/2012	1900	9.28	15.30	253.5	-5.5	49.8
3/4/2012	200	8.95	13.60	253.5	-1.2	15.2
1/1/2011	1900	11.41	15.40	253.6	-16.6	25
1/26/2011	1900	6.30	12.00	253.6	-3.3	8
1/29/2012	400	14.06	20.10	253.6	-3.2	91.7
1/29/2012	600	11.82	16.60	253.6	-3.7	39
1/29/2012	2100	7.38	10.70	253.6	1.3	12.4
20100319	2200	1.26	2.90	253.7	-11.7	5
2/11/2011	700	6.20	11.00	253.7	-9.3	13
3/22/2011	700	5.17	9.50	253.7	-1.7	17
3/12/2012	1200	8.60	15.40	253.7	11.3	206.2
20100201	2000	6.40	7.60	253.8	-7.8	2
2/11/2011	1500	10.14	14.50	253.8	-2.4	38
1/13/2012	800	10.67	15.20	253.8	-5.2	119.8
2/25/2012	1400	14.96	22.20	253.8	4.1	72.7
3/5/2012	600	9.44	13.90	253.8	1.4	119.5
20100217	200	1.82	4.30	253.9	-8	11
2/20/2011	2100	8.27	11.90	253.9	-4.1	67
3/2/2011	1900	9.62	14.80	253.9	2.8	17
3/25/2011	0	6.51	10.30	253.9	-0.9	13
3/25/2011	200	6.34	12.40	253.9	-0.9	13
1/2/2011	1700	8.63	14.40	254	-7.6	65
1/20/2011	1000	9.60	15.50	254	-7.3	11
2/13/2011	800	13.13	19.20	254	3.1	13
1/17/2012	1300	8.18	13.40	254	-9.2	39.6
3/4/2012	1100	13.67	18.20	254	4.6	99.4

20100105	800	7.81	14.20	254.1	-1.3	11
20100116	2300	3.64	5.10	254.2	1.9	14
20100301	500	1.74	2.70	254.2	-5.5	12
2/16/2012	1700	6.08	9.40	254.2	-4.3	31.1
3/3/2012	0	6.42	11.30	254.2	-10.8	18.7
20100329	0	8.72	14.40	254.3	3.2	8
1/2/2011	1800	6.87	10.90	254.3	-8.2	10
1/14/2011	200	7.90	11.00	254.3	-0.4	5
3/17/2011	1800	3.78	8.10	254.3	-1.5	54
1/14/2012	2300	8.90	15.00	254.3	3.1	10.5
1/20/2012	0	8.57	13.30	254.3	3.6	84.1
1/13/2011	500	13.56	18.50	254.4	-1.9	6
3/1/2011	200	1.91	5.70	254.4	-0.8	11
3/15/2011	900	8.22	12.50	254.4	4.7	65
1/5/2012	2000	9.03	13.30	254.4	5.1	123.5
2/21/2012	800	10.86	17.60	254.4	-5.3	48.4
3/30/2012	2000	4.54	7.20	254.4	8.8	53.7
1/5/2011	100	6.53	11.90	254.5	-7.6	16
2/23/2011	1400	9.18	14.40	254.5	2	26
20100212	800	7.21	10.20	254.6	-4.5	8
20100329	200	9.52	14.20	254.6	2.5	9
3/23/2011	500	6.38	11.40	254.6	-5.4	42
1/3/2012	300	4.22	10.10	254.6	4.5	
3/3/2012	2300	10.90	21.90	254.6	-0.7	45.2
3/26/2012	1600	12.65	19.30	254.6	9.9	95.1
3/28/2012	2300	2.95	6.80	254.6	2.9	39
1/12/2011	1400	9.26	13.70	254.7	-2.1	29
20100206	1300	4.81	7.60	254.8	1.5	21
20100329	1300	11.56	16.40	254.8	12.9	79
1/30/2011	1600	6.35	11.90	254.8	4	28
1/23/2012	1500	6.38	9.70	254.8	3.6	28.1
1/29/2012	0	16.61	24.30	254.8	-3.5	287.3
1/30/2012	1800	6.16	9.80	254.8	0.1	36.4
20100131	1400	7.08	11.40	254.9	-1.2	5
1/19/2011	300	5.52	8.30	254.9	-2.3	58
2/9/2011	1900	4.76	10.10	254.9	-17.3	26
2/28/2011	1500	9.79	14.70	254.9	6.1	23

3/20/2011	1100	11.89	17.60	254.9	9.6	47
1/18/2012	100	10.82	16.10	254.9	-8.4	53.3
3/5/2012	1000	10.42	16.40	254.9	8.1	54.7
20100101	1000	10.08	14.30	255	-1.1	7
20100225	100	4.42	6.20	255	-6.9	6
1/2/2011	300	11.34	18.80	255	-12.1	220
1/5/2011	300	5.92	11.60	255	-7.1	45
2/11/2011	1700	8.38	15.40	255	-4.3	20
3/6/2011	900	7.50	11.50	255	2.4	54
3/14/2011	2100	9.99	14.70	255	2.9	103
1/4/2011	800	9.36	13.50	255.1	-7.9	9
2/12/2011	600	9.84	16.90	255.1	-3	10
3/1/2011	900	10.52	14.70	255.1	3.5	95
2/6/2012	800	0.63	1.80	255.1	-13.2	56.5
3/26/2012	1500	14.70	22.50	255.1	12.2	169.4
3/27/2012	1500	7.81	12.60	255.1	13.3	41.6
1/1/2011	400	11.79	17.40	255.2	-18.7	24
1/5/2011	1600	7.52	12.90	255.2	-4.3	32
1/14/2011	1600	7.73	12.90	255.2	0.2	26
20100123	2000	8.44	14.80	255.3	-6.9	7
2/7/2011	1600	6.48	12.00	255.3	-3	29
3/29/2011	600	2.84	6.70	255.3	-4.9	14
1/18/2012	1100	11.54	21.00	255.3	-2.5	73.6
20100322	700	7.48	10.80	255.4	3.4	18
3/14/2011	1600	5.59	9.20	255.4	7.9	20
2/21/2012	2100	9.74	15.10	255.4	-1.3	17.2
20100125	2200	7.70	11.40	255.5	-7.2	17
20100212	1100	8.45	11.10	255.5	-1.6	8
20100224	1700	6.65	8.90	255.5	-1.9	8
1/2/2011	2000	9.10	13.90	255.5	-7.5	11
1/11/2011	900	4.10	9.60	255.5	-14.5	13
2/28/2011	900	13.12	18.00	255.5	1.3	18
3/5/2011	1200	7.84	12.00	255.5	1.3	17
3/12/2012	1100	7.13	11.40	255.5	10.6	86.4
3/30/2012	1900	5.31	8.80	255.5	9.8	41.1
1/18/2012	1900	10.59	17.80	255.6	1	65.3
1/18/2012	2300	14.55	22.00	255.6	0.5	77 1

3/12/2012	900	7.73	12.50	255.6	8	64.9
20100207	2300	0.44	1.70	255.7	-9.5	11
1/2/2011	1900	7.87	13.10	255.7	-7.8	6
1/27/2011	100	4.59	7.20	255.7	-2.5	33
2/11/2011	1400	10.28	14.50	255.7	-2	15
3/28/2011	2000	3.64	6.30	255.7	-2.5	8
1/17/2012	1000	13.58	20.50	255.7	-12.7	276.5
20100213	600	4.64	7.00	255.8	-4.6	6
20100212	600	6.82	9.40	255.9	-6.6	8
3/14/2011	2000	6.84	11.30	255.9	2.6	60
2/8/2012	1700	4.74	8.10	255.9	-0.6	22.7
20100201	1800	5.25	7.30	256	-7.1	5
20100217	100	3.58	5.70	256	-9.1	13
1/7/2011	1000	6.36	8.50	256	1.1	94
1/30/2012	1200	9.80	15.30	256	6.9	62.8
2/21/2012	900	12.06	17.20	256	-4.7	49.2
3/30/2012	1700	5.77	10.90	256	15	47
20100217	900	6.18	9.10	256.1	-3.3	14
20100224	1800	7.85	10.40	256.1	-2.5	8
20100328	1600	8.51	12.10	256.1	9	16
2/13/2011	1100	11.17	17.70	256.1	5.6	44
3/4/2012	1700	6.28	14.20	256.1	3.5	29 4
3/27/2012	1700	4.82	9.30	256.1	10.7	65.6
1/4/2011	500	8.60	12.30	256.2	-8.1	9
3/5/2011	2300	7.77	11.80	256.2	-2.4	21
3/27/2011	1200	8.26	13.90	256.2	4.6	30
1/13/2012	300	5.54	13.00	256.2	-7.3	46.6
1/18/2012	0	9.58	15.90	256.2	-9.5	52.3
1/21/2012	2300	10.88	20.30	256.2	1.3	11.7
3/14/2012	1800	5.12	8.40	256.2	6.7	88.3
20100105	1600	7.73	13.40	256.3	-0.1	8
20100202	1300	7.32	9.70	256.3	0.2	8
1/13/2011	900	7.54	11.50	256.3	-0.5	27
3/9/2011	1300	11.78	16.40	256.3	3.6	89
20100217	0	5.47	8.00	256.4	-8.5	10
3/8/2011	2100	7.39	12.00	256.4	-4.9	25
2/16/2012	1600	5.37	9.70	256.4	-2.6	33.9

3/4/2012	400	10.44	17.00	256.4	-0.6	74.4
2/20/2011	400	6.45	11.70	256.5	-3.2	-3
2/28/2011	1400	9.31	15.40	256.5	6.4	16
20100322	200	6.23	8.50	256.6	1.6	11
1/3/2011	200	5.25	8.90	256.6	-9.3	3
2/26/2011	1200	11.19	16.10	256.6	1.5	12
3/26/2011	800	7.38	11.30	256.6	-2.3	32
1/31/2012	1200	9.39	14.30	256.6	4.5	66.5
1/22/2011	400	10.27	15.80	256.7	-2.1	23
3/10/2011	1000	10.50	14.60	256.7	7.2	32
3/20/2011	900	11.25	17.60	256.7	6.2	26
2/21/2012	100	12.17	17.40	256.7	-6.8	196
1/26/2011	1600	6.02	10.10	256.8	-1	12
1/31/2012	300	3.33	6.50	256.8	-4.8	22.3
2/8/2012	1400	10.70	16.40	256.8	1.7	78.9
1/6/2011	0	9.61	15.70	256.9	-5.1	5
2/28/2011	300	7.24	17.30	256.9	-5.2	7
3/22/2011	800	9.44	15.80	256.9	-0.1	34
1/15/2011	800	6.81	14.30	257	-0.1	38
2/12/2011	2200	10.25	14.10	257	-0.8	8
2/15/2011	1000	9.70	13.60	257	5.3	24
3/1/2011	100	1.99	5.30	257	0.2	6
1/4/2012	1100	7.90	12.50	257	7.5	
1/6/2011	900	7.91	10.80	257.1	-2.4	17
2/12/2011	700	10.95	16.30	257.1	-3	54
3/17/2011	1200	7.94	11.80	257.1	2.5	114
20100210	500	5.75	8.70	257.2	-8.2	6
20100322	0	6.71	11.60	257.2	2.6	17
3/5/2011	1600	5.86	11.70	257.2	0.4	31
20100210	1100	9.34	13.00	257.3	-2.9	9
1/11/2011	1200	2.09	5.90	257.3	-10.8	6
1/19/2011	100	7.99	15.10	257.3	-2	67
2/27/2011	1000	4.52	8.30	257.3	1.5	35
3/29/2011	1700	6.27	9.70	257.3	2.5	42
1/19/2012	2200	9.34	15.40	257.3	4.5	44
1/10/2011	2300	6.58	8.90	257.4	-17.2	81
1/13/2011	100	10.92	14.80	257.4	-1.9	5

2/21/2011	1800	9.01	13.50	257.4	-4.1	68
3/5/2011	1800	6.87	11.00	257.4	-0.8	36
3/27/2012	400	3.78	8.00	257.4	-1	61.7
20100328	1000	8.50	12.60	257.5	5.8	8
1/30/2011	2000	4.75	7.90	257.5	0.8	18
1/30/2012	1900	5.67	9.10	257.5	-1.4	30.2
2/10/2012	300	4.34	7.60	257.5	-8.1	8.1
1/26/2011	2300	7.14	12.20	257.6	-2.8	9
2/7/2011	1700	3.48	6.20	257.6	-3.6	68
2/21/2011	2000	5.89	11.10	257.6	-4.8	29
1/13/2011	800	6.53	9.90	257.7	-1.9	26
1/29/2011	500	6.79	10.90	257.7	-0.5	8
2/13/2011	1000	9.64	16.00	257.7	5.4	134
2/15/2011	700	9.64	16.70	257.7	1.1	46
3/27/2012	1400	7.42	12.30	257.7	13.1	36.5
3/30/2012	200	8.28	11.20	257.7	4.7	36.6
3/30/2012	300	7.68	12.20	257.7	4.8	108.4
20100112	1600	2.09	7.50	257.8	2.1	15
20100112	2000	9.21	11.40	257.8	-1.6	13
20100210	0	7.38	11.50	257.8	-8.1	6
1/5/2011	200	8.24	12.60	257.8	-7	48
3/9/2011	2300	7.36	13.30	257.8	0	9
1/17/2012	2300	10.35	16.70	257.8	-9.7	88.2
2/21/2012	0	11.45	15.40	257.8	-7.1	99
1/6/2011	1200	6.75	9.80	257.9	1.4	56
1/15/2011	900	10.64	14.80	257.9	0.6	55
1/6/2012	500	4.77	7.60	257.9	-1.4	46.8
1/31/2012	1900	3.26	6.70	257.9	-2.9	62.9
3/12/2012	300	9.68	14.80	257.9	3.4	238.3
20100101	800	9.43	16.10	258	-3.8	14
1/6/2011	1600	6.50	10.20	258	-0.6	12
3/24/2011	1700	7.42	11.70	258	1.7	39
3/28/2011	1900	2.62	7.30	258	-1.1	15
2/24/2012	1500	10.61	14.70	258	-3	58.4
20100101	1700	8.17	11.80	258.1	-0.2	5
1/16/2011	1100	15.24	20.80	258.1	1.6	36
1/26/2011	1500	6.80	11.60	258.1	0.7	10

3/26/2011	500	4.10	5.80	258.1	-8.7	61
1/18/2012	2000	11.96	18.00	258.1	0.8	105.7
20100118	1200	5.84	9.60	258.2	0.7	18
1/6/2011	1700	8.85	16.00	258.2	-0.2	20
1/29/2012	800	11.03	15.90	258.2	-1.7	61.3
20100326	500	5.90	8.40	258.3	-3.1	29
1/9/2011	0	5.21	8.60	258.3	-1.5	28
20100127	800	8.49	10.80	258.4	-3.4	8
20100131	1500	6.91	9.70	258.5	-2	5
2/13/2011	700	17.50	24.90	258.5	2.3	6
3/29/2011	2300	4.56	8.10	258.5	-1.5	71
3/19/2012	1300	6.59	12.40	258.5	1.6	25.4
2/11/2011	2000	9.76	16.10	258.6	-5.1	34
1/31/2012	1700	4.91	6.60	258.6	-1	27.8
2/21/2012	300	8.61	12.30	258.6	-7	41.3
1/15/2011	300	8.06	11.50	258.7	-1.8	6
20100104	1800	4.49	7.50	258.8	-5.6	6
1/19/2011	600	4.68	7.10	258.8	-3.1	13
3/15/2011	1100	6.69	10.90	258.8	8.3	35
1/5/2012	1900	7.98	11.30	258.8	5.9	141.5
1/13/2012	1100	8.32	13.40	258.8	-0.3	81.8
1/31/2012	1600	6.12	9.70	258.8	1.8	0
2/17/2012	1000	8.07	12.20	258.8	-2.5	80.6
20100101	900	8.68	15.10	258.9	-2.1	20
20100202	1500	5.35	10.00	258.9	-0.2	14
1/13/2011	700	9.08	13.60	258.9	-2.1	7
2/11/2011	2200	9.49	14.20	258.9	-6	23
2/12/2011	1800	9.44	14.50	258.9	0	63
1/18/2012	2100	12.90	20.80	258.9	0.6	145.7
20100119	1600	6.39	9.50	259	-0.6	3
20100210	1400	5.74	10.70	259	-0.9	22
2/22/2011	900	7.67	12.60	259	-1.8	65
3/6/2011	500	4.60	8.00	259	-2.4	8
1/22/2012	1700	6.92	11.80	259	-6.2	33.9
1/29/2012	500	13.55	20.20	259	-3.4	131
3/3/2012	200	9.04	14.50	259	-10.1	47.6
20100330	600	7.87	14.10	259.2	7.1	13

3/2/2011	2100	9.35	15.60	259.2	2.7	20
3/29/2011	0	3.76	6.00	259.2	-3.9	12
1/30/2012	300	5.68	9.20	259.2	-0.5	24.7
1/1/2011	2200	9.52	14.80	259.3	-14.8	14
1/7/2011	800	3.18	8.00	259.3	-1.7	20
1/27/2011	700	5.00	8.20	259.3	-4.3	42
1/27/2011	1700	4.57	10.00	259.3	-0.3	5
3/2/2011	1500	10.90	18.90	259.3	8.4	23
3/9/2011	2200	9.22	14.00	259.3	0.1	15
1/13/2012	2000	2.70	8.90	259.3	-5.2	20.4
2/9/2012	2100	3.75	4.70	259.3	-10.4	9.4
2/24/2012	400	7.24	10.20	259.3	-9.8	80.9
20100119	1200	6.63	9.30	259.4	1.1	2
20100201	300	6.25	8.50	259.4	-7.2	3
1/1/2011	200	10.99	15.10	259.4	-19.1	78
1/11/2011	0	5.36	7.80	259.4	-18.3	40
2/14/2011	1900	9.41	14.10	259.4	3.7	5
1/13/2012	1800	7.65	13.40	259.4	-4.2	58.6
1/23/2012	1600	5.02	8.60	259.4	1.3	24.6
1/25/2012	2100	8.38	14.60	259.4	1.2	27.9
1/1/2011	1100	9.18	12.50	259.5	-15.2	28
1/20/2011	2000	10.05	15.80	259.5	-4.1	7
2/4/2012	900	0.74	1.40	259.5	-12.1	67.3
1/1/2011	300	10.94	16.10	259.6	-19	37
1/4/2011	300	5.49	8.80	259.6	-10.9	5
3/5/2011	1400	7.21	11.40	259.6	1	23
2/5/2012	0	1.56	3.30	259.6	-12.9	9.3
2/8/2012	1300	11.08	15.80	259.6	2.2	105.5
20100201	1900	6.03	7.70	259.7	-6.5	7
20100210	1300	5.68	11.00	259.7	-1.2	9
3/10/2011	1100	9.74	15.30	259.7	8.7	69
1/3/2012	0	4.08	8.20	259.7	1.1	
3/29/2012	2000	4.05	7.60	259.7	8.1	57.2
20100324	1900	1.33	2.30	259.8	-6.6	10
20100329	100	8.71	15.40	259.8	2.5	17
1/8/2011	1800	6.71	9.90	259.8	0.6	5
3/26/2011	400	6.24	10.20	259.8	-5.6	58

2/21/2012	1100	12.20	17.40	259.8	-2.5	109.1
20100111	1200	1.18	2.50	259.9	-6.6	9
1/19/2012	100	12.58	21.30	259.9	1	68.2
3/19/2012	1200	6.90	12.60	259.9	1.2	24.2
2/5/2012	600	1.40	2.50	260	-11.8	76
3/1/2012	1000	7.78	11.60	260	-4.6	63.1
20100212	0	2.52	6.20	260.1	-8.8	14
1/29/2012	700	12.53	17.20	260.1	-3.2	95.3
1/27/2011	600	5.58	8.60	260.2	-4.5	12
1/27/2011	1000	7.51	10.40	260.2	1.6	89
3/4/2011	300	3.43	7.50	260.2	-3.3	13
3/15/2011	700	10.44	14.30	260.2	2	59
2/4/2012	1600	1.95	3.90	260.2	-5.7	4.7
2/21/2012	2200	11.67	18.90	260.2	-0.7	82.6
3/1/2012	900	7.41	11.50	260.2	-5.4	45.3
3/20/2012	1200	4.27	10.80	260.2	3.5	22.3
20100105	300	3.28	6.10	260.3	-4	9
20100305	800	4.40	7.60	260.3	-2.5	4
1/5/2011	1300	9.99	18.20	260.3	-3	16
2/20/2011	2000	9.37	14.30	260.3	-3.8	53
3/12/2012	1000	7.88	12.80	260.3	9.6	91.4
20100328	2300	9.06	16.60	260.4	4.3	12
20100329	400	10.39	14.10	260.4	2.9	11
1/30/2011	1400	8.13	12.90	260.4	5.8	17
2/11/2011	1600	11.66	15.20	260.4	-3.3	46
3/5/2011	2200	5.65	10.00	260.4	-1.7	22
3/30/2012	1800	6.74	9.90	260.4	12.2	111
20100222	400	0.64	1.60	260.5	-20.1	12
1/16/2012	2300	4.30	6.30	260.5	-18.9	41 7
1/20/2012	1800	5.96	10.70	260.5	-0.2	52.8
1/28/2012	1900	11.80	18.90	260.5	-2.7	94.9
1/1/2011	2300	9.56	15.30	260.6	-13.8	84
1/2/2011	200	12.27	19.00	260.6	-12.2	10
2/13/2011	900	9.66	19.30	260.6	4.3	555
2/27/2011	2000	6.34	9.60	260.6	-5.8	29
3/27/2011	2000	2.70	6.40	260.6	-3.3	10
1/1/2011	500	10.96	17.10	260.7	-18.2	63

1/27/2011	1100	6.55	9.40	260.7	2.4	76
20100101	1600	7.79	11.80	260.8	0.3	3
1/18/2011	1900	6.66	13.10	260.8	-1	21
1/13/2012	600	10.11	14.90	260.8	-6.3	152.9
20100321	1500	4.90	8.40	260.9	7.4	8
3/27/2011	1500	9.40	15.50	260.9	4.7	32
20100125	1400	6.68	11.00	261	-5.1	6
20100319	2100	2.34	3.00	261	-11.1	14
1/5/2011	0	6.06	10.70	261	-7.7	15
1/19/2011	0	8.29	14.40	261	-0.7	4
2/22/2012	1700	15.94	22.90	261	3.6	77.4
1/29/2011	800	10.49	14.40	261.1	2	17
2/23/2011	1100	8.52	12.50	261.1	0.7	161
2/17/2012	900	7.75	13.80	261.2	-3	134
3/3/2012	1800	7.88	13.30	261.2	-1.9	32.5
3/14/2012	1600	9.34	13.20	261.2	13.6	50.6
3/23/2012	1300	5.78	11.40	261.2	19.9	68.8
20100112	2100	6.02	9.70	261.3	-2.7	8
2/13/2011	200	4.92	12.50	261.3	3	7
3/3/2011	1000	7.98	12.50	261.3	4.7	21
20100205	300	7.75	10.10	261.4	-7.7	5
1/4/2011	1200	9.60	13.90	261.4	-3.3	47
1/8/2011	1100	9.41	13.00	261.4	2	10
2/13/2011	1400	9.45	16.90	261.4	6	123
3/6/2011	100	3.97	7.00	261.4	-4.1	20
3/10/2011	900	11.08	15.50	261.4	5.6	20
3/15/2011	500	10.13	15.20	261.4	0.5	7
3/4/2012	1600	7.17	11.00	261.4	5.9	58.2
3/7/2012	300	4.07	7.90	261.4	-4.2	22.1
3/26/2012	1700	13.85	21.20	261.4	8.4	174.9
1/12/2011	1800	10.94	17.20	261.5	-2.7	17
1/16/2011	1600	7.93	14.50	261.5	3.1	47
2/14/2011	2200	5.08	10.30	261.5	1.5	130
20100305	1800	5.35	10.60	261.6	-1.4	3
20100328	1200	7.08	10.90	261.6	8.4	9
1/20/2011	500	2.17	3.70	261.6	-12.2	7
3/14/2011	2300	6.12	13.30	261.6	1.6	108

1/25/2012	1200	12.73	20.60	261.6	6.4	200.9
3/15/2012	1300	6.53	11.80	261.6	14.1	38.1
3/30/2012	0	4.18	7.40	261.6	3.7	43.7
20100224	1900	7.92	10.70	261.8	-2.5	8
2/7/2011	1400	6.94	10.50	261.8	-2.1	40
3/19/2012	1600	7.57	13.90	261.8	-0.4	58.8
20100211	2300	2.98	6.40	261.9	-7.8	31
1/2/2011	1600	12.36	18.80	261.9	-7.1	269
3/9/2011	1900	5.53	10.90	262	-0.4	99
3/15/2011	800	9.67	15.50	262	3.4	51
2/8/2012	1500	9.48	13.20	262	1.7	77.3
3/15/2012	1000	5.54	10.00	262	11.3	49.2
20100210	1800	4.70	8.70	262.1	-5.8	11
1/28/2011	1700	4.07	7.50	262.1	4.2	34
1/29/2011	900	9.25	14.00	262.1	3.5	154
2/21/2011	1300	12.51	19.10	262.1	-1.2	154
2/22/2011	800	4.67	10.50	262.1	-3.1	71
3/30/2011	300	5.53	7.80	262.1	-2.4	36
3/23/2012	1500	3.95	9.50	262.1	19.4	22.2
20100113	200	3.56	7.40	262.2	0.4	2
3/4/2011	900	7.53	10.00	262.2	-0.5	58
3/16/2011	2200	4.43	10.50	262.2	4.8	13
2/28/2011	1600	8.76	14.90	262.3	5.5	44
3/26/2012	1900	11.85	19.40	262.3	4.6	122.3
1/29/2012	1300	13.81	19.00	262.4	7	152.2
20100329	600	7.21	11.20	262.5	3.9	29
1/19/2012	2100	10.82	15.60	262.5	5.5	96.9
3/5/2012	500	8.46	12.90	262.5	0.1	113
3/6/2011	0	6.53	9.00	262.6	-3.3	27
3/17/2011	1500	7.84	10.70	262.6	0.3	61
1/28/2012	1600	12.87	19.50	262.6	-2.5	191.5
1/30/2012	900	4.64	9.60	262.6	2.7	26.3
20100322	1300	5.04	10.70	262.7	7.9	39
2/12/2011	500	11.69	18.00	262.7	-3.6	4
3/30/2012	100	6.09	10.00	262.7	4.6	86.2
20100105	1000	6.28	12.30	262.8	0.1	19
3/23/2012	1400	5.75	11.80	262.8	20.1	44.1

20100309	2000	2.59	3.50	262.9	-5.2	26
20100329	500	7.43	11.50	262.9	2.2	11
2/21/2011	800	10.87	16.50	262.9	-4.5	79
3/25/2011	400	3.13	8.60	262.9	-0.7	8
1/18/2012	2200	14.50	22.20	262.9	0.5	123.4
2/21/2011	1900	4.41	9.70	263	-4.5	28
3/11/2011	1400	7.94	12.10	263	3.5	159
1/30/2012	2000	6.56	9.50	263	-1.7	60.5
3/4/2012	1300	10.77	14.80	263	6.4	73.3
1/16/2011	1800	9.06	13.80	263.1	2.6	35
2/22/2011	200	5.10	9.20	263.1	-4.7	86
2/20/2012	1600	11.02	15.70	263.1	-6.7	146.8
1/5/2011	1700	9.34	13.60	263.2	-4.9	22
3/19/2012	1800	4.32	8.40	263.2	-3.4	49.2
2/23/2011	900	10.41	17.10	263.3	-1	18
20100125	1500	7.66	11.80	263.4	-4.3	9
1/2/2011	1100	10.82	16.30	263.4	-6.8	191
3/15/2011	600	7.59	13.20	263.4	1.2	19
3/22/2011	600	6.41	12.50	263.4	-2.1	11
1/28/2012	1500	11.26	16.40	263.4	-1.7	85.2
2/29/2012	500	8.76	17.40	263.4	-7.3	59.9
3/14/2012	1700	7.61	11.70	263.4	11.1	61.9
2/22/2012	1600	15.98	23.30	263.5	4.2	85.7
2/26/2012	900	18.09	23.70	263.5	-8.7	344.7
20100123	700	6.23	10.00	263.6	-5.8	5
20100205	200	6.15	9.20	263.6	-7.7	6
1/10/2011	2200	8.71	11.60	263.6	-16.5	51
3/8/2011	2300	6.94	11.30	263.6	-4.8	30
3/17/2011	1600	8.02	11.40	263.6	-0.2	59
3/3/2012	1400	13.61	19.40	263.6	0.1	168.6
2/12/2011	800	11.09	16.30	263.7	-2.4	55
3/27/2011	1600	8.81	14.80	263.7	3.9	51
3/15/2012	1200	6.20	12.50	263.7	13.6	37.8
1/1/2011	1300	11.65	16.40	263.8	-14.6	73
2/26/2012	700	14.71	20.90	263.8	-10.5	239
3/30/2012	1100	8.01	14.30	263.8	15.2	69.4
20100105	1300	8.70	12.70	263.9	-0.1	6

1/15/2011	400	7.20	10.40	263.9	-2.2	56
1/15/2011	2000	5.28	9.50	263.9	-0.1	15
2/22/2011	1000	10.33	16.80	263.9	-0.7	31
1/7/2011	900	6.98	9.00	264	-0.1	20
1/14/2011	2100	5.39	8.30	264	-2.3	12
2/10/2012	0	1.35	3.30	264	-12	25
20100106	400	9.27	13.40	264.1	-0.1	5
2/20/2011	1900	8.69	13.20	264.1	-3.7	75
2/27/2011	100	7.78	10.90	264.1	-2.3	6
2/27/2011	700	2.24	5.60	264.1	-1.9	26
3/5/2011	1500	8.58	13.00	264.1	0.9	33
1/18/2012	700	11.48	17.80	264.1	-5.7	91.7
2/22/2012	1200	16.90	24.50	264.1	3.7	165.7
20100222	1500	1.79	2.50	264.2	-13.6	10
1/2/2011	800	15.14	20.90	264.2	-10.8	80
1/6/2012	200	12.14	18.60	264.2	3.6	345
1/13/2012	1700	9.62	13.20	264.2	-2.9	78
3/4/2012	1000	13.48	18.70	264.2	3.6	119.3
3/5/2012	1700	6.94	11.80	264.2	6.5	52
1/16/2011	1400	7.47	11.20	264.3	3.2	69
2/17/2011	700	4.32	7.20	264.3	-5.7	34
1/3/2011	900	9.19	14.10	264.4	-6.2	80
1/15/2011	700	7.80	12.20	264.4	-1.3	10
2/3/2011	400	1.17	2.40	264.4	-27.4	7
1/18/2012	600	14.34	25.80	264.4	-5.7	249.9
2/22/2012	1300	14.56	23.00	264.4	3.7	0
20100205	0	5.09	7.10	264.5	-9.2	6
2/27/2011	200	8.37	12.20	264.5	-2.2	6
1/28/2012	1400	12.01	17.50	264.5	-1.3	110
2/26/2012	200	11.45	15.70	264.6	-10.2	74.5
3/29/2012	1700	5.67	8.70	264.6	11.3	39.5
1/1/2011	0	6.81	11.80	264.7	-19.6	19
1/13/2011	2100	9.32	15.90	264.7	1.4	7
3/26/2011	1400	6.92	13.10	264.7	4.1	24
1/18/2012	1000	13.21	21.20	264.7	-3.2	165
2/26/2012	800	16.12	22.30	264.7	-9.5	274.3
1/6/2012	300	12.17	19.10	264.8	3.1	256.9

3/4/2012	300	9.11	16.40	264.8	-0.7	51.6
3/31/2012	200	4.86	8.30	264.8	4.3	49.2
1/11/2011	1300	5.12	8.80	264.9	-9.8	22
1/16/2011	1500	8.26	14.50	264.9	3.2	105
2/7/2011	1500	8.05	12.00	264.9	-2.6	42
2/24/2012	0	6.21	8.40	264.9	-12.2	46.2
2/14/2011	2300	6.25	12.90	265	1.6	16
3/5/2011	1900	6.38	11.00	265	-1.4	14
20100104	1400	4.90	7.10	265.1	-4.7	9
20100105	1400	10.05	13.90	265.1	-0.1	6
1/5/2011	1400	6.85	14.70	265.1	-2.8	45
20100221	700	1.12	2.00	265.2	-16.9	16
1/25/2011	700	6.17	10.20	265.2	-6.8	21
2/11/2011	1900	6.61	13.10	265.2	-4.7	27
3/6/2011	800	5.20	10.20	265.2	0.6	52
3/17/2011	1700	7.67	11.00	265.2	-0.6	59
3/17/2011	2200	3.85	6.90	265.2	-2.9	14
3/25/2011	300	5.03	9.60	265.2	-0.5	27
3/26/2011	700	2.95	5.30	265.2	-4.8	38
3/30/2011	1400	10.79	15.90	265.2	4.3	74
1/15/2011	1400	6.67	9.60	265.3	2	27
1/13/2012	500	10.42	16.00	265.3	-6.5	128.9
3/8/2012	1100	1.73	4.30	265.3	-0.1	16.3
3/13/2012	1800	2.42	6.80	265.3	7.5	45.5
20100105	2300	11.18	15.40	265.4	-0.6	5
20100124	0	10.46	14.00	265.4	-7.3	6
20100325	1900	4.70	6.80	265.4	1.4	15
2/21/2012	1000	12.83	17.10	265.4	-3.1	164.6
20100106	0	11.47	15.30	265.5	-1.1	6
1/4/2011	900	9.91	13.80	265.5	-6.7	27
3/22/2011	300	2.48	5.60	265.5	-1.2	22
3/27/2012	1000	10.02	15.30	265.5	9	66.1
20100112	2300	7.96	12.20	265.6	-2.3	18
3/28/2011	1400	10.05	14.70	265.6	4.2	64
1/30/2012	1400	9.41	14.00	265.7	7.1	42.7
20100123	600	2.97	7.80	265.8	-6.6	13
20100201	1000	8.89	14.30	265.8	-3.6	7

20100224	2000	5.75	8.50	265.8	-3.1	8
1/13/2012	2200	5.33	11.60	265.8	-4.4	22.9
2/26/2012	600	12.00	18.30	265.8	-11.2	102
20100105	900	6.76	10.50	265.9	-0.4	7
20100204	900	3.84	7.10	265.9	-4.7	10
1/6/2011	1400	6.44	12.50	265.9	1.3	40
2/16/2011	100	3.94	8.70	265.9	2.1	5
3/17/2011	1400	8.30	11.80	266	0.7	55
3/15/2012	1100	6.09	11.30	266	12.6	47.5
1/2/2011	1500	14.40	21.50	266.1	-6.6	39
2/20/2011	1200	9.97	16.00	266.3	-1.2	11
3/14/2011	1900	6.71	14.10	266.3	3.4	30
1/30/2012	1300	9.82	14.90	266.3	7.4	40.1
3/24/2012	1200	3.41	8.60	266.3	17 1	11.4
2/22/2012	1400	14.16	21.80	266.4	3.7	0
2/23/2011	0	5.17	10.00	266.5	-3.2	10
2/27/2011	2200	2.30	5.30	266.5	-6.6	57
3/15/2011	1200	7.48	12.30	266.5	9 2	28
1/17/2011	1700	4.57	6.90	266.6	0.4	16
3/4/2012	900	14.67	21.40	266.6	2.5	271.7
20100219	100	0.56	1.70	266.7	-12.1	8
2/23/2011	100	4.73	8.10	266.7	-3.6	78
2/9/2012	200	2.29	5.00	266.7	-6.4	19.1
2/21/2012	1400	11.91	18.60	266.7	-1.2	82.7
3/3/2012	1500	14.09	20.00	266.7	0.6	128
2/21/2011	600	9.57	15.30	266.8	-6.5	65
3/20/2011	1300	7.02	12.70	266.8	10.5	32
3/30/2012	1400	7.57	11.90	266.8	15.6	45.1
1/18/2012	200	13.46	20.50	266.9	-7.2	404.4
3/5/2012	1100	11.60	19.10	266.9	9.1	137.4
1/1/2011	1200	10.42	13.40	267	-14.7	28
1/5/2011	1900	8.64	12.80	267	-5.1	16
2/21/2011	400	9.30	14.10	267	-6.4	74
3/4/2012	700	8.74	14.70	267	-0.4	70.3
20100114	1300	1.93	3.90	267.1	-6.3	56
20100312	0	5.11	8.80	267.1	-6.5	7
1/3/2011	600	7.32	12.60	267.1	-7.4	53

1/28/2011	1600	3.29	7.90	267.1	6.3	18
2/23/2011	1000	10.86	19.50	267 1	0	137
2/8/2012	2300	2.95	6.60	267.1	-4.1	9.4
2/26/2012	1000	17.27	23.10	267.1	-7.8	224
20100119	1400	5.45	8.20	267.2	0.6	4
20100201	1100	10.61	14.30	267.2	-2.8	7
20100205	1400	6.45	9.30	267.2	0.3	7
2/21/2011	700	9.63	14.50	267.2	-5.9	91
3/27/2011	1000	7.19	12.50	267.2	4	2
2/9/2012	300	3.40	8.90	267.2	-4.9	39.1
3/12/2012	200	3.27	11.20	267.2	3.6	13.2
20100123	2300	12.60	16.40	267.3	-7.5	7
3/1/2011	1200	7.43	11.20	267.3	6.7	79
3/30/2011	600	4.21	7.50	267.3	-2.5	106
20100114	1200	0.85	1.80	267.4	-7.4	33
1/3/2011	400	7.21	12.40	267.4	-8.1	10
1/8/2011	1600	5.63	9.70	267.4	1.4	50
2/28/2012	2000	11.08	16.50	267.4	-5.2	36.7
1/13/2011	1200	2.52	8.40	267.5	2.4	10
2/21/2011	900	11.85	17.40	267.5	-3.8	102
1/10/2012	2100	4.57	12.80	267.5	0.9	36.1
1/17/2012	2200	10.97	18.20	267.5	-9.4	145.6
3/10/2012	1200	1.50	4.20	267.5	13.4	8.6
20100123	1900	10.09	14.80	267.6	-6.1	7
1/10/2011	2100	5.51	12.00	267.6	-17.2	8
2/16/2012	1000	3.83	6.70	267.6	-2.6	60.2
20100106	500	10.86	16.90	267.7	-0.3	4
20100106	600	9.89	14.90	267.7	0	6
1/4/2011	1000	10.33	14.50	267.7	-4.7	60
1/18/2011	1200	10.36	15.20	267.7	0.5	110
1/18/2012	500	18.02	25.50	267.7	-5.5	845
2/24/2012	1300	9.12	14.20	267.7	-3.6	91.2
3/20/2012	1300	4.59	8.70	267.7	4.1	27.7
20100102	800	3.06	7.60	267.8	-1.6	9
3/23/2011	600	9.67	14.60	267.8	-4.2	34
3/30/2011	100	4.17	6.10	267.8	-2.2	46
1/13/2012	1200	8.97	12.80	267.8	0.6	88.8

2/22/2012	0	15.59	22.20	267.8	-0.5	181.5
2/26/2012	1100	17.25	22.80	267.8	-7	215.6
20100106	100	12.10	15.90	267.9	-1.4	4
3/5/2011	2100	6.45	13.30	267.9	-1.5	39
1/19/2012	500	8.09	16.30	267.9	1.3	42.2
2/21/2012	1200	11.93	17.00	267.9	-2	98
1/18/2012	800	13.50	25.30	268	-4.7	155.4
20100315	900	1.15	2.60	268.1	-2.5	16
2/21/2011	1600	10.37	16.50	268.1	-2.1	131
1/18/2012	900	14.08	21.80	268.1	-3.9	163.8
3/26/2012	1800	12.37	19.00	268.1	5.6	131.9
20100212	1400	9.25	12.80	268.2	-0.9	12
2/13/2011	1200	13.14	20.40	268.2	5.7	51
1/27/2011	900	5.12	7.70	268.3	0	110
3/15/2011	1700	6.50	10.90	268.3	7.3	53
2/29/2012	600	6.42	11.80	268.3	-6.8	58.7
1/3/2011	700	7.32	10.30	268.4	-7.1	60
1/17/2011	2300	4.15	7.80	268.4	-0.4	3
2/13/2011	1300	12.36	22.80	268.4	6.1	49
3/23/2011	800	11.31	17.40	268.4	-0.5	68
1/20/2012	200	9.08	20.10	268.4	2.7	72.2
20100102	600	6.26	11.90	268.5	-1.2	5
1/25/2012	1400	10.38	15.60	268.5	6.7	85.6
1/25/2012	1600	6.03	13.80	268.5	4.3	38.6
2/18/2012	1900	2.40	6.90	268.5	-4.5	21.4
2/28/2012	1200	7.65	10.80	268.5	0	55
3/20/2012	1400	4.73	9.70	268.5	5.4	29.9
3/26/2012	2300	8.01	16.60	268.6	2.4	50.3
3/30/2012	2300	5.43	7.30	268.6	5.3	42.4
3/5/2011	600	2.78	7.60	268.7	-6.9	4
3/17/2011	1900	2.45	5.30	268.7	-1.9	58
2/16/2012	1200	7.08	11.20	268.7	-0.9	94.7
2/22/2012	1500	16.14	24.00	268.7	3.8	234.9
2/26/2012	500	8.62	13.10	268.7	-11.3	27.2
3/30/2012	1200	8.15	13.30	268.7	16.1	44.3
1/30/2012	200	6.14	11.50	268.8	1.2	23.2
3/3/2012	1300	13.83	19.30	268.8	-0.6	213.1

20100123	1500	10.18	13.40	268.9	-4.1	9
2/17/2011	800	7.22	12.50	268.9	-4.9	25
2/28/2012	1900	10.05	14.30	268.9	-4.8	24.4
20100328	2200	5.58	13.30	269	3.4	11
1/23/2011	1200	9.70	16.30	269	-2.8	23
1/27/2011	300	7.35	11.00	269	-2.1	77
2/11/2011	1800	7.71	11.00	269	-5.2	72
2/26/2012	0	10.63	16.10	269	-9.4	71.9
1/6/2011	1000	6.81	11.10	269.1	-0.7	41
1/15/2011	2100	5.44	8.00	269.1	-0.4	47
1/18/2011	300	6.77	9.90	269.1	-1.7	73
2/21/2011	100	10.31	16.40	269.1	-5.4	143
2/25/2012	2300	10.42	14.70	269.1	-8.9	62.4
3/20/2012	200	2.43	5.10	269.1	-9.1	9.4
20100212	1500	10.84	15.40	269.2	-0.8	8
3/9/2011	1200	9.69	16.50	269.2	3.1	60
2/22/2012	1100	16.04	24.30	269.2	3.4	135.3
20100213	0	6.59	9.90	269.3	-4.1	4
20100218	300	1.34	2.50	269.3	-4.8	11
1/3/2011	800	6.27	9.60	269.3	-7.3	78
2/21/2011	1200	11.07	18.60	269.3	-2	97
3/11/2012	1900	3.85	6.40	269.3	0.2	37.2
3/23/2012	1600	4.69	9.50	269.3	19.6	25.4
1/19/2011	200	6.32	9.90	269.4	-2.2	16
2/7/2011	1300	7.08	10.60	269.4	-1.7	68
2/21/2011	1500	12.06	16.50	269.4	-1.7	72
1/14/2012	300	4.84	8.10	269.4	-2.6	47.4
1/27/2011	800	5.09	8.00	269.5	-2.5	56
3/15/2011	1500	7.38	14.60	269.5	9.7	50
2/26/2012	1200	16.86	22.60	269.5	-6.6	231.8
3/4/2012	1500	8.51	12.50	269.5	6.4	63.3
3/29/2011	2200	6.33	11.30	269.6	-0.6	-3
1/28/2012	1000	8.81	14.00	269.6	-4.7	119.9
2/4/2012	0	0.97	2.50	269.6	-10.8	11.2
3/2/2012	2300	5.66	11.30	269.6	-10.8	25.6
3/3/2012	1600	13.25	19.70	269.6	0.2	83.4
20100311	2200	7.31	10.10	269.7	-4.7	8

1/19/2012	300	9.66	17.20	269.7	1.1	45.4
2/21/2012	2300	12.71	20.50	269.7	-0.6	82.7
20100213	400	4.39	5.90	269.8	-4.4	4
20100216	2100	4.98	7.60	269.8	-11.4	17
20100222	1300	1.00	2.50	269.9	-12.3	10
3/5/2011	500	5.18	9.10	269.9	-6.1	4
20100106	200	12.05	17.20	270	-0.2	4
20100125	2300	6.89	10.20	270	-7.4	2
3/6/2011	600	4.75	8.00	270	-2.3	12
3/17/2011	2300	2.86	5.20	270	-3.9	18
20100105	2200	11.32	15.60	270.2	-0.5	8
20100127	900	5.29	7.40	270.2	-3.1	9
20100311	2000	4.41	6.80	270.2	-5.6	10
2/11/2011	200	5.14	9.40	270.2	-9	13
3/11/2011	1500	8.77	13.20	270.2	5.2	103
3/26/2011	300	6.00	10.10	270.2	-4.4	19
3/29/2011	1600	6.10	10.10	270.2	3.3	28
1/26/2012	400	6.16	10.30	270.2	-2.2	10.1
2/22/2012	500	15.24	20.90	270.2	0.7	52.1
20100126	200	6.00	9.10	270.3	-8.3	4
2/7/2011	1800	3.44	8.60	270.3	-3.8	52
2/13/2011	100	9.39	13.10	270.3	1.2	6
2/23/2011	200	5.54	9.60	270.3	-4.1	87
3/11/2011	1600	8.23	12.10	270.3	5.1	71
20100102	2200	5.79	7.80	270.4	-4.2	6
20100212	2200	6.25	11.50	270.4	-3	6
1/16/2011	1300	10.67	16.40	270.4	3.2	34
2/12/2011	1700	10.84	15.50	270.4	1.3	51
2/23/2012	2300	6.33	8.00	270.4	-11.9	43.9
2/21/2011	500	9.69	15.60	270.5	-6.4	59
2/21/2011	1000	11.92	17.10	270.5	-3.1	97
2/23/2011	300	6.53	10.90	270.5	-3.8	52
1/18/2012	300	15.16	23.20	270.5	-6.5	412.9
2/20/2012	1500	9.47	14.10	270.5	-6.1	94.9
3/27/2012	200	5.13	9.50	270.5	0.1	47.7
20100213	200	4.37	7.00	270.6	-3.5	4
2/21/2011	0	8.98	15.40	270.6	-5.1	11

1/29/2012	1100	12.33	17.30	270.6	5.5	59.6
2/29/2012	100	11.04	16.10	270.6	-8	43.1
20100103	2000	0.75	2.10	270.7	-11	9
20100204	700	1.39	2.70	270.7	-5.5	15
1/16/2011	300	5.54	9.80	270.7	-4.2	7
1/23/2011	1400	8.72	12.90	270.7	-1.2	28
2/20/2011	1400	10.19	15.60	270.7	-1.3	56
2/22/2012	200	18.99	26.10	270.7	-0.1	214.5
2/22/2012	300	18.39	27.00	270.7	0.4	145.4
20100123	1000	9.77	15.30	270.8	-3.5	9
1/8/2011	1900	2.47	6.80	270.8	-0.3	87
2/24/2012	300	7.25	9.60	270.8	-11	40
1/8/2011	1400	7.03	11.70	270.9	2.3	15
2/20/2011	1700	8.14	13.60	270.9	-2.8	69
1/29/2012	1200	11.76	18.30	270.9	6.3	71.4
1/30/2012	1600	9.82	14.00	270.9	3.6	43.9
2/22/2012	1800	17.25	29.80	270.9	3.6	94
3/3/2012	1200	12.35	17.80	270.9	-1.5	150.1
3/4/2012	1400	9.18	12.50	270.9	6.7	90.7
3/5/2012	1300	11.05	17.00	270.9	10.1	98.5
2/17/2011	400	3.68	7.10	271	-3.7	53
2/25/2012	2200	9.88	17.80	271	-8.6	51.7
3/26/2011	600	3.62	5.90	271.1	-8.4	29
1/28/2012	400	6.68	12.40	271.1	-9.2	46.1
2/9/2012	500	1.17	2.90	271.1	-5.6	10.1
2/26/2012	300	10.63	15.80	271.1	-10.6	37.8
20100123	800	7.57	12.50	271.2	-4.4	9
20100205	100	4.98	7.60	271.2	-8.1	6
2/15/2011	900	6.54	10.90	271.2	4.1	149
2/22/2011	600	6.74	11.10	271.2	-5.5	23
2/22/2012	900	19.11	27.40	271.2	2.1	278
20100212	1600	9.00	14.30	271.3	-1.1	8
20100301	600	2.03	2.80	271.3	-5.2	10
1/14/2011	700	4.07	7.10	271.3	-4.8	7
1/30/2012	2100	7.93	12.90	271.3	-1.3	43.2
20100125	1900	5.08	8.70	271.4	-8.5	5
20100210	1500	6.38	10.40	271.4	-1.8	10

3/5/2012	1200	11.42	18.80	271.4	9.8	177.5
20100120	200	4.17	7.40	271.5	-8.8	5
3/9/2011	0	4.60	8.10	271.5	-4.9	31
1/28/2012	1300	12.44	17.70	271.5	-1.6	156.4
2/20/2011	2300	11.09	18.30	271.6	-4.5	8
3/23/2011	1100	9.23	14.00	271.6	3.3	48
3/26/2011	900	9.14	12.80	271.6	-1	21
2/28/2012	1800	11.68	17.40	271.6	-3.9	29.8
20100119	1300	5.00	7.60	271.7	0.8	3
20100325	2000	3.02	4.20	271.7	0.6	14
3/29/2012	1100	10.73	17.80	271.7	11.3	83.5
2/17/2011	1700	7.98	12.60	271.8	-5	102
2/28/2012	1700	12.59	20.60	271.8	-3.1	57
20100311	1800	3.28	5.10	272	-4.4	9
1/23/2011	1000	7.80	11.60	272	-4.1	14
2/21/2011	1400	12.10	17.00	272.1	-1.3	54
2/22/2012	100	14.97	23.40	272.1	-0.4	70.7
3/1/2011	1000	9.76	13.70	272.2	4.7	96
20100123	1600	9.34	15.50	272.3	-4.8	6
3/26/2011	200	3.68	6.10	272.3	-3.8	1
2/22/2012	1000	18.12	25.10	272.3	2.8	149.6
2/7/2011	1100	6.53	10.20	272.4	-1.7	6
3/21/2011	2100	3.06	10.50	272.4	6.4	33
3/30/2011	0	4.35	6.90	272.4	-1.6	57
1/18/2012	400	16.22	24.60	272.4	-5.9	583.2
2/22/2012	700	14.70	21.10	272.4	0.9	93.1
3/5/2012	1600	10.94	17.80	272.4	8.9	69.2
3/27/2012	1200	6.89	13.90	272.4	11.4	50.8
2/22/2011	2100	4.09	6.20	272.6	-4.3	10
3/8/2011	1800	6.34	10.50	272.6	-4.6	90
1/20/2012	1700	6.94	14.20	272.6	0.3	40.1
20100326	400	3.61	5.40	272.7	-3.8	21
3/22/2011	1600	15.39	21.60	272.7	-1.3	303
3/26/2011	1000	8.72	12.50	272.7	0.4	62
2/26/2012	400	9.52	14.40	272.7	-11	19.6
2/29/2012	0	9.64	14.40	272.7	-7.7	23.3
3/1/2012	1100	6.89	10.70	272.7	-3.6	38.6

2/23/2011	800	8.85	12.70	272.8	-2.4	8
3/30/2011	1500	11.22	18.60	272.8	4.7	3
20100123	1300	12.48	17.00	272.9	-3.1	11
20100123	2200	12.09	16.90	272.9	-7.1	7
20100212	1200	9.23	13.20	272.9	-0.9	5
2/22/2012	400	15.66	21.80	272.9	0.7	69.1
2/22/2012	1900	20.86	31.60	272.9	4.1	284.5
3/26/2011	1300	7.05	13.30	273	3.7	25
20100105	1500	10.49	14.10	273.1	0	7
20100119	1500	5.76	7.80	273.1	-0.3	6
2/20/2011	1600	8.24	15.60	273.1	-2.3	81
3/30/2011	500	4.55	7.90	273.1	-2.6	46
1/13/2012	2100	6.82	11.30	273.1	-3.8	23.4
1/20/2011	2300	8.88	17.60	273.2	-3	55
1/30/2012	2200	6.54	10.20	273.2	-2.6	26.5
2/28/2012	2100	7.81	13.50	273.2	-5.8	21.7
1/3/2011	1000	8.80	13.70	273.3	-5.3	75
2/20/2011	1300	9.16	14.60	273.3	-1.2	14
2/28/2012	2300	8.65	13.50	273.3	-7.4	22.7
3/2/2012	1900	8.16	16.50	273.3	-9.5	55.3
20100122	200	1.09	3.20	273.4	-6.4	17
20100206	900	2.42	4.50	273.4	-0.7	7
1/14/2012	200	4.82	9.50	273.4	-3.4	32.1
3/2/2012	2000	10.59	15.30	273.5	-9.4	93.5
2/20/2011	1800	7.59	11.80	273.6	-3 4	60
2/22/2011	2300	5.13	8.90	273.6	-4.2	22
3/30/2011	200	5.06	8.80	273.6	-2.1	40
2/21/2011	200	9.34	15.80	273.7	-5.8	70
2/22/2012	600	13.49	20.10	273.7	0.8	80.8
20100105	1200	8.91	12.30	273.8	0.5	6
20100123	1400	11.34	15.40	273.8	-3.2	9
20100212	100	4.54	7.40	273.8	-9.1	4
1/7/2011	300	8.95	15.80	273.9	-2.2	31
2/21/2012	1300	11.81	16.80	273.9	-1.5	84
20100211	0	2.95	5.70	274	-7.8	27
20100311	2300	7.07	9.70	274	-5.3	7
3/22/2011	100	6.25	10.40	274	0.7	60

3/2/2012	2100	8.39	13.00	274	-10.2	26.9
2/21/2011	300	9.45	15.70	274.1	-6	76
2/21/2011	2300	5.83	7.40	274.1	-5.6	10
2/22/2012	800	16.53	24.30	274.2	1.4	159.5
1/15/2011	1600	6.50	12.10	274.3	1.3	23
2/27/2011	1800	4.25	9.50	274.3	-4.4	32
3/26/2011	1100	8.83	13.40	274.3	2.1	54
3/4/2012	800	12.03	16.70	274.3	1.3	118.8
3/2/2011	1800	11.05	15.80	274.4	3.9	68
2/25/2012	2000	11.92	17.40	274.4	-6.7	100.4
3/17/2011	200	7.50	12.70	274.5	0.5	8
3/3/2012	1700	11.64	17.30	274.5	-0.9	31.3
20100210	2300	5.42	10.10	274.6	-7.2	7
1/14/2011	1500	3.81	9.80	274.6	1.7	30
2/29/2012	400	13.22	19.50	274.6	-6.6	54.6
1/28/2012	1100	11.02	16.60	274.7	-3.4	188.7
2/28/2012	2200	9.64	13.90	274.7	-6.4	14.6
3/27/2012	1300	7.36	12.90	274.7	12.3	89.1
3/29/2012	1000	11.08	16.90	274.7	10	167.3
3/29/2012	1500	7.56	12.50	274.7	13.1	47.6
1/3/2012	1500	8.24	13.10	274.8	6	
20100213	700	4.42	6.70	274.9	-4.4	6
1/18/2011	1700	4.59	7.50	274.9	-1.4	19
3/28/2011	1000	8.46	12.60	274.9	2.4	17
3/26/2012	600	2.71	5.40	274.9	1.7	64.5
3/29/2012	1200	9.67	15.80	275	12.3	74.5
3/29/2012	2100	3.94	7.70	275	8.1	63.5
1/13/2011	2200	7.01	10.50	275.1	0.5	30
2/13/2011	1900	4.90	8.50	275.1	-0.6	24
3/9/2011	1800	10.18	15.80	275.1	0.5	96
1/3/2012	1600	5.10	8.80	275.1	2.7	
2/20/2011	1500	11.17	16.60	275.2	-1.6	84
3/9/2011	1500	9.35	14.20	275.2	3.6	137
3/26/2012	2000	12.30	17.60	275.2	3.6	193.2
20100214	1000	0.52	1.50	275.3	-13.8	24
3/22/2011	1500	16.37	23.90	275.3	0.2	218
2/24/2012	200	5.25	8.40	275.3	-12.9	25

20100113	100	5.54	8.10	275.4	-0.7	7
20100201	1200	11.42	15.10	275.4	-2.7	5
20100208	1900	2.01	3.30	275.4	-17.8	6
3/8/2011	2000	5.43	11.90	275.4	-4.8	42
20100113	0	6.84	11.10	275.5	-0.2	6
20100113	700	4.30	9.90	275.5	-1.5	12
20100123	1800	9.92	15.90	275.5	-5.2	8
1/2/2011	900	12.07	17.00	275.5	-9.1	216
1/22/2011	500	12.44	18.30	275.5	-1.9	48
3/9/2011	1400	10.92	16.60	275.5	3.9	112
3/1/2011	1100	7.65	12.30	275.6	5.7	53
1/30/2012	1500	9.84	14.60	275.6	5.9	45.4
1/31/2012	0	8.21	14.80	275.6	-3.2	14.2
1/6/2011	1100	7.42	11.10	275.7	0.3	86
3/30/2011	1600	11.71	19.00	275.7	4.8	3
2/16/2012	1100	4.86	8.60	275.7	-1.5	16.6
1/4/2011	400	3.60	9.40	275.8	-10.8	4
1/4/2011	1100	9.23	13.90	275.8	-3.8	93
1/26/2012	2100	7.66	11.20	275.8	0.2	13.5
20100123	1100	11.93	17.10	275.9	-3.4	8
20100124	100	9.35	14.40	275.9	-7.4	6
1/2/2011	1000	11.99	17.40	275.9	-7.4	168
2/12/2011	1400	9.39	13.00	275.9	3.9	52
3/23/2011	100	6.34	11.50	275.9	-4.5	111
3/23/2011	1200	8.39	14.00	275.9	4.1	64
2/13/2012	1800	0.89	3.10	275.9	-11.4	0.4
3/20/2012	1700	5.30	8.20	275.9	4.4	29.4
1/16/2011	1900	11.87	21.20	276	2.9	30
1/13/2012	400	7.76	14.40	276	-6.7	134
3/22/2011	1200	12.57	19.90	276.1	1.9	119
1/9/2011	400	2.60	5.60	276.2	-5.5	5
2/18/2012	2000	1.96	5.90	276.3	-3.6	25.7
1/8/2011	1500	6.66	10.70	276.4	1.9	27
3/27/2012	100	2.16	8.00	276.4	0.9	18.7
3/29/2012	1300	8.45	14.90	276.4	12.6	41.7
2/22/2011	100	6.74	11.10	276.5	-4.8	70
3/22/2011	900	10.64	17.60	276.5	1 1	14

2/12/2012	800	0.98	2.30	276.5	-8.3	71
2/28/2012	1600	12.89	19.50	276.5	-2.5	37.3
20100328	400	3.11	7.10	276.6	-4.5	7
1/19/2012	400	8.76	15.60	276.6	0.9	17.3
3/27/2012	300	4.46	10.50	276.6	-0.4	28.5
1/27/2011	200	7.39	11.60	276.7	-1.6	40
3/30/2011	400	4.79	7.90	276.8	-2.6	42
1/26/2012	2300	7.37	13.30	276.8	-1.5	36.7
3/5/2012	1500	12.99	20.50	276.8	9.8	278.8
20100105	400	3.46	7.90	276.9	-2.4	5
1/18/2011	1100	9.86	15.30	276.9	0.1	68
1/19/2012	200	9.99	19.30	276.9	1.5	25.3
1/20/2012	900	5.37	11.80	276.9	1.7	30.4
20100123	1200	11.77	15.80	277	-3.2	7
20100126	300	2.96	6.40	277	-9.2	0
2/17/2011	1500	10.87	16.00	277	-2.7	160
3/4/2011	1000	6.80	11.00	277	0.2	32
1/26/2012	2200	8.07	12.20	277	-0.6	19.3
2/26/2012	1500	11.16	15.80	277	-5.4	26.1
20100305	1200	7.17	11.60	277.1	-2	3
3/22/2011	1100	10.45	17.20	277.1	1.3	107
1/22/2012	100	7.69	14.40	277.1	1	15.9
2/24/2012	500	7.45	9.60	277.1	-9.8	32.1
2/17/2011	1100	10.06	14.60	277.2	-3.1	123
3/15/2011	1300	7.59	11.80	277.2	9.2	32
3/22/2011	500	6.44	12.60	277.2	-1.1	8
3/22/2011	1000	10.61	16.00	277.2	1	45
3/27/2011	1400	8.76	14.90	277.2	4.7	75
1/3/2012	1700	3.23	6.20	277.2	-0.8	
1/27/2012	0	8.49	11.90	277.2	-1.7	24.7
3/3/2012	1100	12.08	16.50	277.2	-2.2	155
3/8/2011	1700	8.31	13.30	277.3	-3.4	7
3/8/2011	1900	4.83	7.60	277.3	-5.5	41
3/22/2011	1700	15.22	22.50	277.3	-2	370
1/10/2012	2200	7.18	12.90	277.3	0.6	32.1
1/30/2012	2300	11.10	17.40	277.3	-1.8	103.3
20100205	2200	4.04	7.40	277.4	-3.2	6

2/16/2011	200	3.72	9.00	277.4	1.9	6
3/23/2011	200	8.31	11.90	277.4	-4.2	17
20100210	1200	5.84	11.80	277.5	-1.5	5
20100311	2100	4.80	7.30	277.5	-5.9	8
1/15/2011	1700	4.89	12.30	277.5	0.6	29
2/28/2011	1700	5.11	8.80	277.5	3	41
3/4/2012	500	10.27	14.50	277.5	-0.9	37.4
20100102	2000	6.64	8.80	277.6	-4.3	4
20100305	500	1.78	5.40	277.6	-3.7	13
2/14/2011	2000	9.43	16.70	277.6	4	17
1/28/2012	1200	12.21	16.50	277.6	-2.2	155.3
2/8/2012	1600	7.68	11.00	277.6	0.8	45.1
3/3/2012	300	10.74	18.90	277.6	-9.8	125.7
3/27/2012	1100	7.31	12.80	277.6	10.3	39.8
20100323	400	1.25	3.00	277.7	-1.5	8
2/17/2011	1400	10.61	15.60	277.7	-2.4	155
2/15/2011	300	2.14	5.50	277.8	1.7	14
3/15/2011	0	7.38	14.90	277.8	1.6	7
20100102	2100	7.09	9.20	277.9	-4.6	5
20100323	300	1.02	2.00	277.9	-1.7	7
1/22/2012	1600	9.84	15.50	277.9	-5.1	17.1
2/26/2012	1600	8.18	12.30	277.9	-5.6	25
3/11/2011	1300	10.05	16.60	278.1	2.9	39
3/30/2011	1700	12.32	19.10	278.1	4.3	
20100106	300	12.74	18.20	278.2	-0.3	10
1/31/2012	2200	1.50	4.70	278.2	-4.5	19.7
20100326	300	5.43	7.60	278.3	-3.4	24
1/11/2011	400	6.62	10.30	278.3	-17	23
1/18/2011	1300	11.83	18.60	278.3	0.6	96
3/5/2012	1400	10.63	15.70	278.3	10.1	85.9
1/11/2011	500	6.34	9.80	278.4	-17.1	47
1/18/2011	1500	8.64	15.70	278.4	0.4	122
3/14/2011	1800	7.55	12.20	278.4	4.1	19
3/31/2011	2000	13.39	20.20	278.4	6.5	44
1/12/2012	2100	3.73	6.30	278.4	-9.7	22.2
1/25/2012	2200	11.71	17.90	278.4	0.7	99.6
1/7/2011	200	7.09	10.50	278.5	-2.3	25

2/17/2011	200	9.19	17.50	278.5	-0.5	14
2/24/2011	1300	9.14	15.70	278.5	-0.2	9
2/16/2012	1300	7.00	9.90	278.5	-0.8	43
2/22/2012	2000	20.71	33.20	278.5	3.9	190.7
2/26/2012	1300	13.18	18.60	278.5	-6.1	79.6
3/2/2012	1800	4.92	7.70	278.5	-10.5	23
20100123	2100	13.37	20.10	278.6	-6.1	15
20100126	1500	5.24	8.20	278.6	-0.1	14
2/22/2011	0	6.15	8.90	278.7	-5.3	10
1/3/2012	1200	9.80	15.10	278.7	9.9	
2/22/2012	2100	21.51	32.30	278.7	3.8	142.1
20100205	400	5.47	7.40	278.8	-10	5
2/17/2011	1000	9.73	14.60	278.8	-3.6	113
3/27/2011	1100	5.84	9.70	278.8	4.6	42
2/28/2012	1100	6.81	10.80	278.8	-0.2	20.7
3/3/2012	800	10.89	14.70	278.8	-6.8	64.5
20100211	1900	4.21	6.00	278.9	-9.9	7
20100212	2100	5.81	7.40	278.9	-3.5	4
2/17/2011	900	9.18	13.80	278.9	-4.2	80
3/9/2011	1100	8.44	15.30	278.9	2.1	36
3/23/2011	300	10.31	14.10	278.9	-4.3	31
1/28/2012	900	5.65	11.10	278.9	-6.3	20.7
3/29/2012	1600	6.97	12.10	279	12.8	42.9
3/23/2011	900	9.45	14.50	279.1	1	23
3/28/2011	1500	9.70	15.20	279.1	2.5	68
3/31/2011	1500	16.42	24.30	279.1	10.9	
1/26/2012	200	10.97	16.70	279.1	-0.8	13.5
2/5/2012	2100	1.62	2.50	279.1	-14.8	8.3
3/29/2012	1400	7.72	13.20	279.1	12.9	46
3/8/2011	1600	10.83	15.40	279.2	-1.8	13
2/25/2012	1900	12.64	20.00	279.2	-6.2	48.2
1/20/2012	1300	10.47	15.70	279.3	4.7	80.3
3/26/2012	2200	11.72	18.50	279.3	2.6	95.3
3/23/2011	400	8.42	14.20	279.4	-4.5	74
3/31/2011	1600	16.58	24.10	279.4	10.6	117
2/28/2012	1500	11.80	16.70	279.4	-1.4	26.6
2/22/2011	700	4.20	8.50	279.5	-5	28

2/12/2011	1100	8.20	11.60	279.6	2.1	24
3/31/2011	2100	12.77	18.80	279.6	6.1	57
1/25/2012	1500	9.25	17.80	279.6	5.9	63.1
3/1/2012	1900	5.31	7.90	279.6	-5.9	10.9
20100311	1900	4.52	7.40	279.7	-5.4	10
2/12/2011	1500	9.87	15.30	279.7	3.7	97
3/26/2011	1200	8.19	14.40	279.7	3	47
2/15/2011	400	3.20	9.70	279.8	1.9	11
1/25/2012	2300	13.77	20.50	279.8	0	94
20100205	1700	3.54	6.70	279.9	-0.6	14
1/16/2012	2200	6.55	10.30	279.9	-14.4	32.2
3/30/2012	1300	8.09	13.50	279.9	16.3	49.1
20100123	1700	11.44	16.40	280	-4.7	7
20100126	500	4.14	8.50	280	-8.2	6
2/20/2011	500	3.02	5.40	280	-5.8	5
2/10/2012	900	9.00	13.70	280	-0.8	52
20100212	1300	9.71	12.90	280.1	-1.1	5
20100225	600	4.98	7.20	280.1	-6.4	7
3/3/2012	600	10.85	16.40	280.2	-9.4	89.5
1/16/2011	2200	13.85	21.90	280.3	3.5	16
2/26/2012	1400	11.44	16.20	280.3	-5.5	59.4
3/17/2011	400	8.67	13.90	280.4	-1.6	36
1/18/2011	1400	11.80	17.80	280.5	0.3	125
1/29/2012	900	10.01	16.30	280.5	1.4	28.7
2/17/2011	500	3.33	5.70	280.6	-4.3	2
2/27/2011	1900	7.16	11.90	280.6	-4.6	19
1/22/2012	300	8.22	13.60	280.6	0.3	15.2
1/26/2012	0	12.25	18.10	280.6	-0.3	39.5
3/3/2012	1000	11.43	16.10	280.6	-3.5	119
20100126	400	2.73	6.80	280.7	-9.1	13
3/4/2011	1800	4.67	7.50	280.7	-4	17
1/13/2012	1600	8.69	15.30	280.7	-1.1	23.3
2/29/2012	300	9.73	18.80	280.8	-7.8	32.4
1/8/2011	2300	7.15	10.80	280.9	-1.3	7
3/17/2011	800	8.40	13.60	280.9	-0.1	136
2/25/2012	2100	13.74	22.00	280.9	-7.5	135.9
3/26/2012	2100	12.56	18.40	280.9	2.6	78.1

1/6/2011	1300	6.60	9.90	281.1	1.5	25
3/23/2011	1400	7 16	11.60	281.1	5.4	57
1/20/2012	1200	9.68	16.70	281.1	3.7	41.1
2/20/2012	1100	8.07	12.70	281.1	-7	37.1
3/3/2012	900	10.69	15.30	281.1	-5.1	116.3
2/7/2011	1200	7.66	11.60	281.2	-1.4	12
3/23/2011	1000	9.54	14.10	281.2	2.4	83
3/3/2012	700	9.92	15.40	281.2	-8.7	70.7
3/9/2011	1600	9.90	15.10	281.3	2.7	106
3/31/2011	1400	17.03	23.90	281.3	11.2	3
3/31/2011	1800	15.28	23.50	281.4	7.8	92
3/31/2011	1900	14.47	22.10	281.4	7.1	68
20100209	2200	5.17	9.10	281.5	-8.3	5
20100326	200	3.69	6.20	281.5	-3.5	30
1/28/2012	800	5.97	9.30	281.5	-7.9	19.3
2/23/2012	1900	4.98	7.20	281.5	-13.9	7.5
20100104	1100	2.26	4.30	281.6	-5.5	4
2/20/2012	1200	8.00	12.30	281.6	-6.4	35.3
2/26/2012	100	11.27	16.60	281.6	-9.8	24.1
3/20/2012	900	1.92	5.30	281.6	-1.9	14
20100228	200	2.69	5.20	281.7	-4.4	11
3/23/2011	1300	8.72	14.50	281 7	4.8	50
3/31/2011	2200	13.41	19.40	281.7	5.9	122
2/15/2011	100	4.89	9.20	281.8	0.5	78
2/17/2011	1200	10.58	15.50	281.8	-2.9	150
2/17/2011	1300	10.45	15.30	281.8	-2.8	139
20100325	2300	2.94	6.50	281.9	-1.6	13
20100213	800	4.27	6.60	282	-4.3	6
20100221	800	1.10	2.50	282	-16.6	10
2/12/2011	1600	10.08	16.20	282	3.1	90
2/17/2011	1600	10.61	14.50	282	-3.9	161
2/21/2011	1100	11.79	17.40	282	-2.8	158
3/29/2011	1500	6.65	12.40	282	4.6	7
1/20/2012	1000	11.26	18.20	282	2.6	84
1/26/2012	100	12.10	16.70	282	-0.7	16.2
20100201	600	3.82	7.60	282.1	-7.5	4
1/13/2012	1300	6.66	12.10	282.1	2.5	54.5

3/29/2012	900	9.15	15.30	282.1	8.8	62.7
20100102	1800	2.35	4.80	282.2	-3.4	7
1/18/2011	0	8.66	14.90	282.2	-0.6	54
2/28/2012	1300	9.55	15.50	282.2	-0.7	40.4
1/28/2011	1500	1.41	3.90	282.3	8	14
1/14/2012	2200	3.65	13.70	282.3	1.2	0.9
1/5/2011	1500	7.76	14.90	282.4	-3	26
1/11/2011	200	7.73	10.20	282.4	-16.1	32
3/9/2011	1700	11.35	17.30	282.4	1.6	74
1/20/2012	1600	6.04	11.40	282.4	1.4	17.7
1/22/2012	1100	13.45	18.50	282.4	-3	71
1/28/2012	500	8.59	13.00	282.4	-8.9	20.5
2/28/2011	1900	8.80	14.00	282.5	2	39
20100301	800	1.60	3.00	282.6	-4.7	10
3/31/2011	1700	16.47	23.30	282.6	9.3	138
1/20/2011	2200	6.34	13.90	282.7	-3.3	39
3/22/2011	1900	13.37	20.40	282.7	-3.1	111
1/3/2012	1400	7.94	13.00	282.7	7.8	
1/28/2011	1200	7.49	11.10	282.9	7.9	20
3/22/2011	200	3.55	6.20	282.9	-0.3	29
2/20/2012	1300	7.21	12.80	282.9	-6.1	27.2
3/17/2011	1100	7.80	12.90	283	2.1	133
3/27/2011	1300	11.85	19.00	283	4.2	33
1/26/2012	300	8.88	14.30	283	-1.5	7.5
3/30/2011	1300	11.85	17.20	283.2	5.7	77
20100210	100	4.06	10.10	283.3	-6.9	8
3/11/2011	1200	11.80	16.80	283.3	2.9	15
20100106	700	7.33	11.50	283.4	-0.5	4
20100212	2300	7.66	12.50	283.4	-3.8	4
3/15/2011	300	4.00	12.30	283.4	-0.5	23
1/7/2012	1900	2.35	3.90	283.4	-9.6	20.1
3/4/2012	600	9.98	15.40	283.4	-1.2	36
1/21/2011	200	12.64	18.30	283.5	-4.2	119
3/28/2011	1200	8.09	13.60	283.5	3.2	66
3/3/2012	500	11.52	18.40	283.5	-9.3	17.1
3/31/2012	0	6.25	9.90	283.5	6.8	18.6
20100328	1500	7.27	11.10	283.6	9.6	11

3/4/2011	400	2.89	5.70	283.6	-3.8	-2
3/31/2011	2300	13.57	18.80	283.6	5.8	155
2/22/2012	2200	18.73	30.20	283.6	3.1	71.8
3/3/2012	400	9.95	15.00	283.6	-10	14.7
20100328	1300	7.33	11.40	283.7	9.1	5
20100105	1100	10.11	14.40	283.8	0.8	4
2/11/2011	100	3.82	9.10	283.8	-9.3	6
3/15/2011	1400	8.01	12.40	283.8	9.2	72
1/29/2012	1000	12.03	16.50	283.8	3.9	25.9
20100120	1000	1.57	3.10	284	-8.5	33
3/17/2011	700	7.96	11.30	284	-1.4	71
3/31/2011	1300	17.32	24.50	284	10.9	147
1/3/2012	1300	7.82	13.20	284	8.8	
2/25/2012	1500	14.12	24.70	284	1.2	61.3
1/7/2011	500	4.04	6.20	284.1	-2.4	41
2/24/2011	1400	8.31	13.50	284.1	0.2	81
1/3/2012	1800	3.67	6.80	284.1	-1.3	
1/27/2012	300	7.51	11.50	284.1	-3.6	12.6
20100201	1700	5.93	7.90	284.2	-5.5	5
20100213	300	4.21	7.60	284.2	-3.6	5
2/28/2011	2100	7.57	13.40	284.2	1.5	44
3/2/2011	1600	8.97	13.40	284.2	7.1	24
3/22/2011	1800	14.28	20.30	284.2	-2.6	132
3/1/2012	2000	3.75	5.60	284.2	-7.5	33.9
20100212	1700	7.59	10.80	284.4	-2.2	5
1/21/2011	1600	7.15	12.50	284.5	-2.1	30
3/17/2011	1000	10.16	14.10	284.5	1.8	115
2/9/2012	2000	3.60	5.30	284.5	-9	7.5
2/24/2012	600	6.64	10.40	284.5	-9	80.5
3/9/2011	1000	7.06	11.90	284.6	0.7	10
2/29/2012	200	7.10	13.10	284.6	-8	12.6
3/2/2012	1700	7.83	12.30	284.6	-8.1	9.3
20100129	1000	0.57	1.40	284.7	-10.9	30
1/21/2011	0	8.53	15.60	284.7	-2.7	83
2/28/2011	2000	8.32	13.70	284.7	1.8	17
2/28/2012	1400	9.30	13.60	284.7	-1	7.6
3/8/2012	900	1.58	4.00	284.8	-3.6	10.4

3/17/2011	500	9.15	15.30	285	-2.6	48
1/7/2011	400	7.38	11.70	285.1	-2.3	72
2/13/2011	2000	4.92	7.60	285.1	-0.5	16
2/20/2012	1400	8.54	13.40	285.2	-6.2	56
20100110	1300	1.62	2.70	285.3	-8.2	32
3/17/2011	600	9.06	14.60	285.3	-2.6	30
1/16/2012	2100	7.78	11.60	285.3	-13	19.7
2/15/2011	600	8.94	16.10	285.4	0.1	38
1/28/2012	700	6.53	14.20	285.4	-9.3	34
2/9/2012	800	3.94	7.40	285.4	-2.8	42.5
20100204	1400	9.11	12.90	285.5	-2	8
1/11/2011	300	7.59	11.10	285.5	-16.4	57
3/23/2011	1500	6.68	12.10	285.5	5.4	43
1/18/2011	1000	8.80	13.50	285.6	-0.3	26
1/20/2011	200	0.92	2.50	285.6	-13.2	12
3/31/2011	1200	16.66	24.90	285.6	10.5	270
3/30/2012	900	10.79	15.90	285.6	13.2	93.3
20100201	1300	10.53	14.40	285.7	-2.9	6
20100223	1000	5.15	9.40	285.7	-7.7	10
3/17/2011	900	9.90	14.00	285.7	1.2	140
3/26/2011	1600	4.18	7.60	285.7	3.8	20
20100315	600	1.27	3.30	285.8	-4.8	10
3/1/2011	2100	1.65	3.00	285.9	-4.7	19
3/22/2011	2200	15.48	23.40	285.9	-2.6	13
3/30/2011	1800	12.78	19.50	285.9	4.2	81
1/22/2012	400	8.86	17.20	286	-0.5	10.5
3/17/2011	0	2.32	7.60	286.1	2.6	24
1/21/2011	300	10.58	15.20	286.2	-4.7	164
2/13/2011	1800	4.76	8.90	286.2	0.4	35
3/4/2011	1700	5.53	10.00	286.2	-2	17
20100305	1100	5.78	11.70	286.3	-2.5	25
1/20/2012	1100	11.70	17.00	286.3	3.4	67.2
3/9/2011	100	6.70	11.50	286.4	-5.1	54
3/22/2011	1300	14.07	21.50	286.4	0.5	89
1/22/2012	1200	11.99	16.80	286.4	-2.5	33.9
1/7/2011	600	3.74	7.10	286.5	-1.5	90
20100120	100	4.00	7.30	286.7	-8	3

1/21/2011	100	11.20	18.30	286.7	-3.9	156
3/17/2011	300	8.53	14.90	286.7	-0.5	-4
20100204	1300	8.94	12.50	286.8	-1.5	8
20100328	1400	7.67	11.60	286.8	9.2	9
1/18/2011	400	8.79	15.00	286.9	-0.8	73
3/28/2011	1300	9.12	16.10	286.9	3.5	61
3/30/2011	1100	10.58	15.60	286.9	3.5	38
20100219	200	0.90	1.80	287	-13.7	4
3/4/2011	500	2.85	5.30	287	-3.9	10
3/22/2011	1400	14.80	22.30	287	0.1	184
1/12/2012	2000	4.89	6.90	287	-9.8	9
20100122	100	1.32	2.80	287.1	-6	17
3/28/2011	1100	8.23	14.70	287.1	3.4	87
2/25/2012	1800	15.27	21.40	287.2	-6.2	66.3
2/24/2012	700	5.23	7.70	287.3	-8.5	22.1
3/31/2011	0	12.26	18.20	287.4	3.6	15
3/31/2011	1000	17.02	24.30	287.4	9.4	182
1/12/2012	1800	5.07	8.30	287.4	-8.7	9.5
2/28/2012	800	4.13	12.80	287.4	-3.3	31.4
1/16/2011	1700	9.16	14.30	287.6	3	34
1/16/2012	1200	7.69	16.00	287.6	-1.7	101.6
2/9/2012	100	2.48	6.40	287.6	-5.8	25.1
20100213	1400	8.53	11.90	287.7	-1.5	6
1/3/2011	500	6.17	10.40	287.7	-7.8	23
1/11/2011	100	7.67	11.20	287.7	-16.5	14
2/24/2012	1200	7.87	12.80	287.8	-4.6	26.1
20100102	2300	1.90	4.70	287.9	-4.5	7
20100129	900	0.49	1.10	288	-13.9	43
1/17/2011	1400	12.64	19.90	288	2.7	29
1/18/2011	100	9.44	14.60	288	-0.7	50
1/22/2011	600	8.23	12.40	288	-2.5	198
2/16/2012	2200	3.41	9.90	288	-6.6	10.3
2/24/2011	1200	6.80	12.30	288.1	-0.6	43
3/31/2011	1100	17.32	24.00	288.1	10.3	250
1/1/2012	700	6.58	13.50	288.2	-4.7	
1/12/2012	1900	5.66	8.00	288.2	-8.6	7.1
1/21/2011	400	9.97	14.10	288.3	-4.5	53

1/17/2011	0	13.84	20.10	288.5	3.4	47
3/27/2011	1700	7.42	12.70	288.5	3	31
1/22/2012	1500	10.18	16.40	288.5	-3.8	14.5
1/20/2012	1500	10.52	15.60	288.6	3.6	29
3/24/2012	1000	2.98	6.90	288.6	15.3	11.6
1/8/2011	2100	4.70	7.30	288.7	-0.6	8
3/9/2011	300	5.94	9.60	288.7	-6.3	36
1/22/2012	1300	12.60	17.80	288.7	-4.1	54.8
3/29/2012	800	9.64	13.70	288.7	7.3	58.1
3/14/2011	1700	7.31	10.30	288.8	5.5	20
1/23/2011	1100	5.51	9.50	288.9	-3.2	26
1/14/2011	1300	4.72	10.00	289	1.9	20
1/13/2012	1500	11.52	16.60	289.1	1.5	140.9
3/30/2011	2300	12.63	18.30	289.2	3.4	5
1/11/2011	800	5.37	9.20	289.3	-16.5	20
1/13/2011	2300	4.69	7.60	289.3	-0.8	74
3/22/2011	2300	15.06	21.70	289.3	-2.5	6
3/26/2011	1500	5.86	10.20	289.3	4	31
1/7/2011	100	5.27	11.30	289.4	-1.9	10
2/13/2011	1700	6.99	10.20	289.4	2.7	25
3/31/2011	100	13.54	19.00	289.4	4.1	3
1/27/2012	100	7.24	10.30	289.4	-2.4	6.2
2/10/2012	1200	5.71	9.20	289.4	0.2	46.2
1/17/2011	100	11.08	17.00	289.5	3.4	57
2/5/2011	200	5.15	13.40	289.5	-1.7	12
1/16/2011	2000	11.47	18.20	289.6	3.1	97
3/20/2012	1600	5.53	9.00	289.6	5.6	5.7
3/28/2011	900	4.81	12.20	289.8	0.9	14
20100102	1900	4.80	8.60	289.9	-3.5	6
1/18/2011	200	8.56	12.60	289.9	-1.1	44
20100222	1400	1.33	2.10	290	-13.3	11
1/11/2011	600	6.01	8.60	290.1	-16.6	54
3/22/2011	0	3.36	7.20	290.1	0.5	135
2/14/2012	1900	1.30	3.30	290.2	-9.5	10.4
20100325	2100	4.51	6.80	290.5	1.6	17
3/30/2011	2000	12.80	19.60	290.5	3.8	12
3/31/2011	900	15.37	23.90	290.5	7.7	41

2/5/2012	2300	0.92	1.70	290.5	-15.9	11.9
20100219	1200	1.11	2.20	290.6	-11.2	15
20100320	1500	2.41	4.80	290.7	-1.6	6
20100201	1600	7.43	10.90	290.8	-4.5	5
1/16/2011	2300	13.17	20.10	290.8	3.3	86
2/17/2011	300	4.64	9.00	290.8	-3.3	181
3/22/2011	2000	9.11	15.20	291	-3.6	65
3/30/2011	1200	11.78	17.40	291	5.1	65
3/2/2012	2200	6.60	11.80	291	-11	5.9
3/30/2011	1000	10.14	16.00	291.1	3	21
20100125	1800	3.95	8.40	291.2	-7.9	5
2/10/2011	1100	6.46	11.50	291.2	-7.8	21
20100204	1700	4.33	8.80	291.4	-5	9
1/22/2012	200	4.62	11.20	291.4	-0.1	11.4
20100204	1600	5.90	8.80	291.6	-3.3	7
20100204	1200	8.69	12.60	291.7	-1.5	9
20100305	900	7.28	11.20	291.7	-2.2	8
1/26/2011	1000	0.56	1.70	291.7	-0.6	12
1/14/2011	1100	5.76	11.00	291.8	1.4	18
2/23/2011	700	6.11	10.70	291.8	-5.5	5
3/31/2011	800	14.10	22.30	291.8	6.5	16
20100204	1500	6.90	10.90	291.9	-2	5
20100214	1400	1.79	3.70	291.9	-10.7	13
2/12/2011	1200	8.58	14.80	291.9	2.5	27
1/17/2011	1900	4.00	5.70	292	-0.1	7
1/16/2011	2100	11.24	18.90	292.1	3.2	27
2/14/2011	2100	8.00	11.70	292.1	2.4	65
3/7/2012	200	1.95	5.10	292.1	-2.8	21.3
1/15/2011	1500	8.81	12.80	292.2	1.8	38
1/10/2012	500	0.65	2.60	292.2	-12.9	10.9
1/22/2012	1000	11.19	17.10	292.2	-2.3	29.1
20100301	1100	1.28	3.10	292.4	-1.2	3
1/21/2011	1400	10.12	13.90	292.4	-0.9	15
3/31/2011	500	9.59	13.90	292.4	3.3	6
1/31/2012	100	6.61	15.20	292.4	-3.6	7.7
20100129	1200	0.57	1.30	292.7	-3.6	17
1/28/2012	600	7.75	15.30	292.7	-8.9	32.5

20100111	1500	0.84	1.80	292.8	-7.8	19
20100211	1600	5.81	9.20	292.8	-4.3	7
2/25/2012	1700	13.67	21.90	292.8	-5.1	45.7
3/9/2011	600	3.23	4.40	293	-7.8	12
1/20/2012	1400	10.19	15.60	293	4	29
2/24/2011	1100	3.88	10.50	293.1	-1.8	10
3/24/2012	1100	2.70	9.40	293.1	16.2	6.5
1/17/2011	1300	12.84	18.50	293.2	3.6	17
3/30/2011	1900	11.38	17.40	293.2	4	47
1/21/2011	1500	8.86	15.10	293.3	-1.1	66
2/1/2011	1000	1.09	3.40	293.3	-28.2	20
1/17/2011	300	8.73	16.00	293.4	2.8	5
1/18/2011	500	8.24	16.40	293.5	-1.6	25
3/31/2011	600	10.78	17.00	293.5	4.1	16
3/30/2011	700	8.60	12.70	293.6	-0.8	101
3/9/2011	400	5.23	7.80	293.7	-6.4	4
1/17/2011	2000	4.15	8.40	293.8	-0.3	7
3/22/2011	2100	11.50	20.00	293.8	-3.3	60
20100221	900	2.07	2.80	293.9	-15.2	11
1/7/2011	1100	5.89	10.00	293.9	1.7	31
3/31/2011	700	11.68	18.20	293.9	5.7	4
20100205	1300	4.44	10.40	294	-0.5	12
3/2/2011	1700	9.29	13.30	294	5.1	239
20100115	900	2.01	5.30	294.1	-7.4	23
1/21/2011	500	7.94	12.00	294.1	-5.5	25
3/31/2011	400	9.97	15.80	294.1	3.6	7
1/16/2012	1800	7.74	11.50	294.1	-10.3	37.9
2/27/2011	1700	5.83	12.20	294.2	-3	20
1/18/2011	1600	5.36	10.10	294.3	-0.6	53
20100130	1700	1.45	2.30	294.5	-8.2	15
20100204	800	0.85	2.40	294.5	-5.3	8
1/22/2012	500	11.10	17.50	294.5	-2.6	135.7
1/27/2012	200	6.14	10.10	294.6	-2.7	30.9
20100305	1400	4.44	9.90	294.7	-2.4	6
2/28/2011	1800	5.05	8.60	294.8	0.7	55
1/22/2012	600	10.40	15.00	294.8	-3.7	15.5
2/22/2012	2300	16.78	28.50	294.8	1.5	65.4

3/1/2012	2200	3.50	5.90	294.8	-10	0
20100301	300	1.11	2.50	294.9	-5.8	14
20100305	2100	5.23	9.40	295	-1.3	3
3/30/2011	2100	11.41	17.40	295	3.3	15
2/16/2012	1500	4.39	7.90	295	-1.4	16.7
20100323	200	1.37	4.10	295.1	-1.6	5
1/8/2011	2000	2.98	7.60	295.1	-0.2	12
3/30/2011	900	9.03	12.80	295.1	1.9	25
20100325	2200	5.23	7.60	295.3	-1.1	18
1/17/2011	400	12.98	18.90	295.3	3.2	6
20100320	1600	1.97	3.80	295.5	-1.5	7
20100208	1800	2.57	3.60	295.8	-16.4	7
1/8/2011	2200	4.86	9.30	296	-1.1	51
20100102	1200	7.51	11.50	296.1	-0.2	3
3/11/2012	1700	3.74	9.40	296.1	5.9	17
1/3/2011	1100	6.38	9.50	296.2	-5.4	93
3/11/2011	1100	11.04	16.60	296.2	3.1	20
1/17/2011	1600	5.79	10.90	296.3	1.5	26
3/30/2011	800	9.81	15.00	296.3	1	65
20100113	600	2.62	5.90	296.5	-0.7	9
20100209	2300	3.87	7.60	296.5	-8.6	7
20100221	1000	1.30	2.50	296.5	-11.8	7
1/18/2011	900	6.39	13.20	296.5	-0.6	7
20100201	1400	9.89	13.20	296.6	-3.1	5
20100211	1800	4.68	5.80	296.7	-7.2	9
2/24/2012	800	8.05	12.60	296.7	-7.8	6.5
20100309	1900	2.03	3.80	296.9	-4.5	16
1/17/2011	1000	10.82	16.20	296.9	3.3	3
1/17/2011	1800	4.71	8.30	297	0.3	30
1/17/2011	500	12.28	19.40	297.1	2.9	10
1/22/2012	800	8.82	14.40	297.1	-4.4	-2.2
2/11/2011	1300	4.49	10.10	297.2	-1.6	31
3/4/2011	1400	9.28	14.50	297.4	0.2	32
1/18/2011	600	8.54	13.50	297.6	-2.3	9
1/13/2012	1400	13.45	18.30	297.7	2.7	823.4
3/9/2011	900	6.45	11.50	297.8	-0.7	21
3/29/2011	700	2.46	5.00	297.9	-4.8	21

3/30/2011	2200	10.07	15.40	298	3	12
2/4/2012	300	1.13	2.50	298	-10.4	-5.6
20100124	1600	9.63	14.80	298.1	-6	7
20100210	2200	2.92	4.90	298.1	-8	6
2/25/2012	1600	12.74	18.80	298.1	-2.8	10.8
20100211	400	2.27	5.60	298.4	-7.8	7
20100326	100	3.08	6.30	298.4	-2.3	16
3/31/2011	200	9.05	14.30	298.4	3.7	29
2/26/2012	1700	4.43	8.00	298.4	-7.2	12.5
1/17/2011	200	9.38	15.50	298.5	3.2	10
20100124	200	10.89	15.80	298.6	-7.1	8
20100213	500	2.68	5.30	298.7	-6.2	7
20100301	200	1.69	2.70	298.7	-5.9	13
3/9/2011	500	4.97	8.60	298.7	-6.5	9
2/4/2012	1200	1.10	2.60	298.7	-6.3	10.8
2/6/2012	300	0.68	2.10	299.4	-17.2	8.2
2/9/2012	1800	4.91	8.20	299.4	-6.2	6.1
20100203	900	1.20	2.50	299.5	-10.8	40
2/4/2012	800	1.01	2.50	299.5	-16.5	19.9
2/27/2011	1600	9.90	14.80	299.6	-1.7	10
3/29/2011	100	2.48	6.20	299.6	-4.7	25
20100322	1600	7.13	14.10	300	7.3	30
1/11/2011	700	5.13	7.50	300.1	-16.9	31
1/3/2012	1100	7.03	15.40	300.1	9.1	
2/9/2012	1000	5.63	12.30	300.2	-0.5	10
2/9/2011	1500	0.67	2.10	300.3	-12	8
2/8/2011	1900	1.97	4.20	300.4	-25.6	9
1/3/2012	100	4.11	7.90	300.4	4.2	
1/25/2011	2200	0.91	2.00	300.6	-6.5	9
1/22/2012	700	9.33	13.70	300.6	-4.2	-10.5
2/15/2012	200	0.76	2.90	300.6	-17.5	1.7
20100125	1300	5.61	13.10	300.8	-5.3	8
1/17/2011	1100	11.67	17.50	300.8	3.6	9
1/17/2011	1500	8.24	14.30	300.8	2.6	58
1/26/2011	900	1.79	3.00	300.8	-3.9	4
20100201	1500	9.03	12.50	300.9	-3.5	6
3/31/2011	300	10.28	17.50	300.9	3.8	10

20100326	1500	6.53	10.00	301	2.4	9
2/28/2011	2200	2.82	10.60	301.1	0.6	38
3/8/2012	1200	1.46	3.90	301.1	1.5	10.5
2/7/2012	700	0.87	1.90	301.3	-10.4	6.6
20100225	700	4.62	7.40	301.6	-6.1	8
20100326	0	2.16	4.70	301.9	-1.6	12
20100202	1600	3.06	8.40	302.1	-0.4	6
1/30/2011	1900	4.14	8.40	302.2	1.3	13
20100214	1300	0.85	2.20	302.3	-10.8	10
20100208	400	2.61	5.10	302.4	-8.9	5
2/16/2012	1400	5.65	8.40	302.4	-0.8	12.4
3/4/2011	1600	7.10	11.60	302.6	-0.4	88
2/12/2011	1300	8.81	15.10	302.7	3.3	89
3/27/2011	1800	7.42	15.20	302.7	-1	25
1/17/2011	1200	12.43	18.80	302.8	3.5	13
1/31/2011	600	6.47	9.80	302.8	-10.6	7
2/22/2011	2200	4.20	7.00	302.8	-5.6	11
1/22/2012	1400	10.46	15.50	302.8	-4.5	29.8
3/6/2011	700	3.36	6.10	302.9	-2	16
3/11/2012	1800	3.84	5.40	302.9	1.7	16.7
1/16/2012	2000	8.27	12.70	303	-12.6	13.1
3/12/2012	100	2.48	8.70	303.2	4.5	29.5
20100213	900	5.32	9.50	303.4	-2.5	6
2/5/2011	300	8.85	15.50	303.4	-1.8	5
20100124	1700	8.94	12.20	303.5	-7.4	5
2/27/2011	1500	7.78	13.50	303.5	-0.8	14
1/21/2011	600	7.77	11.40	303.6	-5	17
2/9/2012	1900	4.32	6.30	303.7	-8	4.2
2/11/2011	1100	4.12	9.80	303.8	-4	40
3/25/2011	2300	3.46	7.00	304.2	-1.5	18
20100211	1700	5.25	8.50	304.3	-4.8	10
20100306	600	2.38	3.80	304.3	-1.6	7
1/18/2011	700	3.37	7.70	304.4	-3.6	7
20100219	300	0.72	1.60	304.5	-17.4	5
20100306	700	3.15	5.40	304.5	-1.1	9
1/22/2012	0	5.70	14.80	304.7	1.2	15.8
20100327	1800	3.37	6.80	304.8	-2	15

3/11/2011	700	7.94	12.40	304.8	2.9	17
1/17/2011	2200	4.75	8.30	305	-0.7	6
1/24/2011	600	3.66	6.40	305	-10.3	4
2/13/2011	1600	6.64	12.70	305	4.8	50
1/22/2012	900	9.52	13.20	305.1	-3.3	14.8
2/20/2012	800	6.95	9.90	305.5	-10.4	13.1
3/9/2011	200	5.62	9.90	305.6	-5.8	14
3/23/2011	0	10.57	20.50	305.6	-3.4	125
2/23/2012	1800	5.15	7.20	305.7	-11.9	
1/28/2011	1300	6.79	11.30	305.8	8	57
3/3/2011	1900	2.95	4.80	306.2	-1	38
1/21/2011	1300	8.53	12.00	306.5	-1.1	6
2/12/2012	1300	1.35	3.50	306.5	2.4	16.3
2/20/2012	700	8.48	11.60	306.8	-10.2	7
3/20/2012	1800	3.33	6.20	306.8	0.3	29.6
20100301	900	0.90	1.80	306.9	-3.1	13
3/16/2012	300	2.86	6.40	306.9	-0.9	14.4
1/17/2011	600	10.27	17.50	307.2	2.5	7
20100125	1200	8.51	12.20	307.5	-4.6	8
20100326	1300	6.73	11.70	307.5	2.7	17
20100213	1500	8.53	12.90	307.8	-1	6
1/27/2012	400	5.39	7.70	307.8	-3.8	3.1
3/11/2011	1000	8.46	15.50	308.1	2.9	23
2/3/2012	2200	2.24	3.50	308.1	-7.9	-1.5
20100124	300	7.49	12.20	308.2	-7.1	6
3/13/2011	1700	5.49	8.30	308.2	1.9	20
3/9/2012	1200	1.68	5.10	308.2	9.7	16.9
1/18/2011	800	4.97	9.90	308.4	-2	19
20100209	1300	6.12	10.00	308.5	-5.1	21
20100320	1700	1.39	2.30	308.5	-2.4	13
2/23/2011	600	5.46	7.50	308.6	-7.6	22
3/4/2011	1500	7.02	13.20	308.9	-0.4	10
20100326	1400	6.81	12.20	309.1	2.4	12
1/21/2011	700	6.91	11.30	309.1	-6	9
2/17/2011	600	2.65	4.40	309.1	-5.7	16
3/25/2011	500	2.64	6.30	309.1	-1.3	30
1/12/2012	1400	5.51	8.30	309.4	-4.4	28.8

2/3/2012	2300	2.53	3.50	309.4	-9.4	3.5
2/9/2012	400	1.63	3.80	309.5	-4.7	22
2/24/2012	900	8.68	12.00	309.5	-7.6	15.3
1/17/2011	900	6.50	13.40	309.7	2.3	8
3/1/2012	1700	5.14	10.50	309.7	-5	14.1
20100102	1300	3.96	6.90	309.9	-0.2	4
2/9/2012	1700	6.78	9.50	309.9	-3.6	7.8
2/12/2012	1100	2.23	4.20	309.9	0.5	41
20100222	900	1.11	2.50	310	-15.1	9
20100305	1500	5.38	11.50	310	-1.1	5
3/11/2011	1700	4.99	9.30	310.1	2.8	73
3/3/2011	1500	4.38	6.90	310.2	3.4	
2/19/2012	1500	2.65	5.90	310.2	-1.5	26.7
1/14/2012	100	4.68	11.80	310.6	-3.6	6.3
20100124	1500	10.55	15.30	310.7	-5.8	7
3/4/2011	1300	8.54	14.10	310.7	0.5	18
2/10/2012	500	1.51	3.30	310.7	-7.9	9.8
3/1/2012	1800	4.12	7.30	310.9	-6.4	2.5
20100324	1600	2.20	4.80	311.4	-1	8
1/25/2011	1000	1.22	2.50	311.6	-3.3	15
2/20/2012	600	8.78	11.60	311.6	-10.3	3.9
2/20/2012	500	9.31	12.60	311.8	-10	6.1
20100213	2000	5.90	8.60	311.9	-4.8	6
1/21/2011	800	7.20	11.30	312	-5.5	10
3/3/2011	1400	3.85	11.00	312	3.8	3
3/29/2011	300	1.04	2.40	312	-5.7	7
20100305	1300	6.10	10.50	312.1	-2.6	15
1/6/2012	900	5.27	9.10	312.2	4.2	15.6
1/9/2011	2200	2.68	4.80	312.4	-17.6	14
3/8/2011	1500	9.52	13.60	312.6	-0.6	8
20100128	2300	0.76	2.10	312.7	-6.7	8
1/17/2011	800	11.15	20.10	312.7	1.7	7
1/22/2011	700	7.25	14.00	312.7	-2.9	66
3/2/2012	1600	9.66	14.00	312.7	-7.1	10
2/15/2011	500	7.50	13.20	313	1.4	28
1/17/2011	700	11.36	17.60	313.1	1.8	8
20100124	1400	12.37	20.90	313.2	-5.1	8

2/10/2012	1000	6.92	12.50	313.2	-0.5	17.7
1/27/2011	1200	3.74	7.10	313.3	3.4	66
2/23/2011	500	4.71	7.60	313.4	-7 7	89
1/12/2012	1500	4.69	8.10	313.4	-4.9	12.6
3/11/2011	900	9.88	16.40	313.5	2.9	44
1/12/2012	1700	6.65	10.90	313.6	-7 7	9.5
2/8/2011	1800	3.97	5.40	313.7	-23.4	7
3/3/2011	1100	5.79	10.40	313.8	4	22
2/9/2012	1600	9.50	14.40	313.9	-1.5	8.2
1/13/2011	1000	2.45	7.40	314.1	0.9	22
1/14/2011	1200	2.62	5.50	314.4	1.3	40
20100124	2200	7.37	14.20	314.5	-9.9	6
2/20/2012	900	7.22	10.30	314.5	-9.3	23
2/5/2012	1100	1.02	2.90	314.8	-2.5	11.4
20100205	500	3.76	5.80	315	-10	7
20100213	1300	9.36	13.60	315	-0.7	8
20100213	1000	8.66	12.90	315.3	-1.3	6
1/19/2011	1000	6.88	14.60	315.3	-2.7	6
1/24/2011	500	5.09	7.20	315.7	-8.7	4
20100124	1100	13.45	20.90	315.9	-5.6	17
2/15/2011	0	4.07	10.00	315.9	1.7	40
3/10/2012	1100	1.31	4.00	315.9	12.1	13
20100124	400	8.29	12.20	316	-7	8
20100124	1200	12.62	21.10	316.1	-5.9	34
20100124	600	9.89	15.30	316.2	-7.5	9
20100301	1200	3.09	6.90	316.2	-0.9	7
3/13/2011	0	1.61	3.70	316.3	-1.5	6
3/13/2011	200	3.92	6.10	316.4	-2.3	2
20100319	2000	1.76	3.30	316.6	-8.9	8
1/8/2012	1000	1.77	4.80	317.1	-3.4	6.7
20100222	1100	1.03	2.50	317.4	-14.1	10
20100111	1300	1.10	2.80	317.5	-5	9
20100305	2200	8.44	13.40	317.5	-0.8	7
20100102	1400	2.78	6.20	317 7	-0.8	7
20100305	2000	9.26	13.80	317.7	-1.8	8
1/9/2012	1000	1.55	3.40	317.7	-1.3	33.9
2/23/2012	300	13.05	18.10	317.9	-6.6	

2/9/2012	1100	9.45	18.00	318.1	-0.1	44
2/18/2012	1400	3.81	5.70	318.3	0.4	18.8
1/27/2012	500	3.97	6.70	318.4	-5.2	6.8
2/23/2012	1200	10.14	13.90	318.4	-7.9	5.8
20100124	2300	9.80	13.90	318.5	-9.4	7
20100208	1700	3.20	7.40	318.5	-14.1	9
1/21/2011	900	9.13	12.90	318.6	-3.9	13
2/9/2012	1200	9.60	12.80	318.7	-1.2	18.9
1/26/2011	800	3.70	6.90	318.8	-5	5
2/9/2012	1500	11.50	16.40	318.8	-0.3	35.7
2/20/2012	400	9.35	12.20	318.8	-9.9	4
1/16/2012	1900	8.07	14.90	318.9	-11.6	16.5
1/21/2011	1000	9.69	14.10	319	-2.9	15
20100213	2100	4.92	7.20	319.1	-5	9
20100213	2200	4.39	7.60	319.2	-5.2	5
2/20/2012	1000	6.31	9.70	319.2	-8	9.4
1/24/2011	100	2.44	5.30	319.3	-4.8	15
20100326	1700	7.51	10.40	319.4	-0.3	16
2/15/2012	1800	1.65	2.50	319.5	-10.5	18
2/19/2012	2300	10.76	14.80	319.7	-7.4	4.5
2/23/2012	1400	11.33	15.70	319.7	-8.1	10.2
20100211	500	4.49	6.80	319.8	-10.5	6
1/14/2011	1400	2.41	5.80	319.8	2.1	33
1/17/2011	2100	5.75	9.90	319.8	-0.3	13
1/11/2012	200	3.17	6.60	319.8	-2.7	26.4
2/5/2011	400	8.07	14.80	319.9	-2.6	13
2/23/2012	1500	10.26	14.80	319.9	-8.4	4.1
2/5/2011	900	7.74	10.60	320	-3.4	8
3/9/2011	800	7.15	10.40	320.1	-2.1	55
20100220	300	0.44	1.00	320.3	-10.4	9
2/2/2012	900	1.02	2.20	320.4	-1.3	58
1/7/2011	700	1.47	3.60	320.6	-1.3	26
2/10/2011	1400	3.13	6.60	320.6	-5.6	11
20100213	1800	5.24	9.50	320.7	-4.9	6
2/9/2012	1400	10.28	16.60	320.7	0.1	17.4
1/22/2011	800	8.57	14.90	320.9	-3.1	19
2/23/2012	1100	11.49	16.80	320.9	-7.8	2.6

20100308	1900	5.30	8.50	321.1	0.2	9
3/23/2011	1900	3.07	6.70	321.1	-2.5	23
20100228	2100	2.37	3.40	321.3	-3.5	9
20100211	1200	4.55	8.00	321.4	-3.2	8
2/5/2011	500	5.72	8.50	321.6	-2.8	9
1/24/2011	900	3.99	8.10	321.8	-7.3	24
2/10/2012	1300	5.41	8.40	321.8	-0.1	16.3
1/22/2011	1000	12.92	19.20	321.9	-2.3	41
2/23/2012	1300	9.76	14.30	321.9	-7.7	3.8
2/1/2011	1100	1.22	3.50	322	-26.5	13
3/25/2011	1600	5.13	11.80	322	1.7	28
20100104	1500	1.54	3.00	322.1	-5.7	13
2/24/2012	1000	8.82	11.40	322.1	-7.2	9.1
3/11/2012	1600	9.01	12.70	322.1	10	16.4
20100111	1400	1.18	3.00	322.2	-7.5	6
20100308	1800	5.98	8.90	322.3	0.6	9
2/23/2012	1700	8.07	11.80	322.3	-9.6	1.9
20100213	1100	9.20	12.80	322.4	-0.5	7
20100308	2000	5.30	8.00	322.5	0.6	9
2/7/2012	600	1.71	3.90	322.5	-10.2	10.5
20100308	2300	6.68	9.20	322.6	-0.8	7
2/13/2012	0	1.32	2.40	322.6	-3.2	6.4
2/27/2012	2300	1.02	2.80	322.6	-5.5	24
20100213	1900	5.55	7.70	322.7	-5.2	5
20100327	1500	10.27	14.10	322.8	1.1	4
2/5/2011	700	8.99	14.00	322.8	-3.3	1
3/2/2012	1400	11.59	15.40	322.9	-6.7	12.9
20100204	1000	3.33	5.80	323	-3.1	9
1/7/2012	1100	1.93	4.30	323.1	-1.6	8.6
20100228	2000	3.27	4.30	323.2	-3	12
20100125	0	8.93	11.70	323.3	-9.8	7
1/22/2011	1500	10.66	20.30	323.3	-4.2	19
20100204	1100	4.65	11.10	323.4	-2	0
20100305	1900	6.29	15.00	323.4	-1.6	14
2/13/2011	1500	2.53	7.30	323.4	6.2	129
20100213	1200	9.96	13.80	323.6	-0.2	6
2/11/2011	800	1.57	3.60	323.6	-12.4	18

3/4/2011	700	1.60	2.70	323.6	-2.8	10
2/23/2012	1000	10.87	15.80	323.7	-8.1	7.4
1/22/2011	1400	11.87	18.10	324	-2.4	46
2/4/2012	1400	1.47	3.10	324.2	-4.9	18.5
2/5/2011	800	7.00	10.60	324.5	-3.5	17
1/22/2011	900	8.52	21.60	324.6	-2.7	37
2/10/2012	1100	3.80	8.00	324.7	-0.7	9.9
2/9/2012	1300	9.65	15.70	325	-0.8	7.9
3/20/2012	1500	4.65	9.20	325	5.9	20.1
20100301	1500	3.63	5.90	325.1	0.2	7
20100305	1700	3.31	10.40	325.1	-2.5	5
20100305	2300	8.58	16.90	325.1	-0.6	15
1/22/2011	1800	12.16	17.50	325.1	-5.7	15
20100124	500	7.48	13.90	325.2	-7.4	8
20100301	1600	3.19	4.50	325.2	-0.4	8
20100124	1300	12.06	19.50	325.3	-5.2	10
2/23/2012	900	9.40	14.80	325.3	-8.3	
20100305	1600	5.07	10.80	325.5	-1.7	14
20100327	1000	12.42	16.50	325.5	-2.4	33
2/24/2012	1100	6.49	10.40	325.5	-6.4	11.9
20100125	1600	4.44	7.50	325.8	-5.9	10
20100322	1700	7.60	12.20	325.8	5	28
3/28/2011	800	2.78	5.20	325.8	-1	13
20100211	1400	6.97	11.20	325.9	-2.5	10
20100222	1000	1.42	2.70	325.9	-15	9
2/23/2012	1600	9.73	14.10	326	-8.4	2.6
2/20/2012	0	10.07	14.00	326.1	-7.7	20.2
20100326	1800	5.55	8.80	326.2	-2	12
2/20/2012	300	9.30	12.80	326.3	-9.4	2.7
2/27/2011	500	5.17	8.80	326.5	-3.9	17
2/7/2012	400	3.24	4.60	326.6	-9.8	8.4
20100104	1200	2.14	6.00	326.7	-4.8	3
1/28/2011	1400	3.27	6.10	327	8.2	22
20100213	1700	7.23	11.30	327.4	-3.5	8
20100323	2300	2.39	3.50	327.4	-5.1	8
20100124	900	8.46	12.90	327.5	-7.4	8
2/23/2012	0	13.22	26.80	327.6	-2.8	8.9

20100306	800	5.88	9.30	327.7	-0.8	8
20100327	1600	9.14	12.00	327.9	1.3	8
1/31/2011	1000	2.85	6.60	327.9	-15.5	24
20100213	2300	7.71	14.20	328	-5.3	10
20100315	300	2.35	4.40	328	-4	10
20100327	800	10.03	13.60	328	-2.9	6
20100125	200	5.38	7.20	328.2	-11.3	5
20100308	1600	8.03	10.70	328.2	1.8	9
20100323	2200	2.12	3.10	328.3	-5.2	13
20100327	1700	7.45	10.80	328.5	0.4	11
3/1/2012	2100	2.45	4.70	328.5	-8.4	12.7
1/24/2011	400	6.11	9.40	328.6	-7.3	14
2/6/2012	1800	5.07	7.60	328.7	-7.6	13.4
20100324	1300	2.41	4.40	328.8	-2.1	8
20100128	1300	2.10	5.20	328.9	-2.9	8
20100301	1400	4.15	6.70	328.9	0.2	7
20100327	1400	11.08	15.20	328.9	0.3	8
1/22/2011	1700	11.92	18.40	329.2	-5.5	15
20100217	500	2.09	3.80	329.3	-11.5	15
1/24/2011	300	6.95	10.80	329.4	-6.4	16
1/21/2011	1100	10.71	14.90	329.5	-2.3	11
2/7/2012	300	3.97	5.80	329.5	-9.7	5.7
2/7/2012	500	2.74	4.60	329.6	-10	3.4
20100327	1200	12.68	17.70	329.9	-0.4	25
1/19/2011	1700	1.75	2.40	329.9	-11.8	12
20100211	1500	5.51	8.50	330	-3.3	11
2/23/2011	400	3.65	5.90	330	-6.4	80
1/28/2011	2300	1.33	4.40	330.1	0.4	6
2/7/2012	900	1.61	3.30	330.1	-9.4	16.3
2/20/2012	200	9.81	13.80	330.1	-8.5	4
20100320	1100	2.04	6.10	330.3	-4.8	4
3/27/2011	1900	2.44	6.30	330.4	-2.5	-3
20100309	0	5.99	8.30	330.5	-1.4	5
20100309	100	4.88	7.10	330.5	-1.8	6
3/13/2011	1600	3.78	7.40	330.5	3.6	-1
2/20/2012	100	9.33	12.90	330.5	-8	9.2
20100124	1800	8.71	11.90	330.6	-8	8

20100228	1200	1.17	3.30	330.9	-0.2	10
2/7/2012	200	3.71	6.00	330.9	-9.6	7.5
3/2/2012	1500	9.60	13.70	330.9	-6.8	11.2
20100327	900	11.28	16.10	331	-2.7	19
1/22/2011	1100	12.90	18.10	331	-2.3	64
2/12/2012	1400	2.35	5.50	331	2.6	20.4
1/24/2011	1300	7.36	11.10	331.1	-4.2	5
20100327	700	7.51	13.00	331.2	-3.5	6
2/4/2012	1300	0.94	2.30	331.3	-5.3	16.6
20100327	1100	11.93	17.20	331.4	-1.4	20
1/31/2011	900	5.33	7.20	331.5	-16.8	36
20100326	1600	6.29	11.70	331.6	1.3	22
1/24/2011	1100	5.73	9.00	331.6	-5.7	8
20100216	2000	1.19	3.00	331.7	-9.7	13
3/11/2012	1500	9.39	13.60	331.7	11	67.9
20100327	1300	12.57	17.50	331.8	0.1	36
3/29/2011	800	2.56	6.30	331.8	-3.4	34
20100311	900	9.12	13.10	331.9	-5.2	14
1/26/2011	700	4.85	9.10	332	-4.2	4
20100308	1500	9.40	13.40	332.2	1.8	8
1/22/2011	1300	10.75	17.30	332.3	-2.7	60
20100124	800	6.75	11.80	332.4	-7.8	6
20100311	100	6.65	10.50	332.6	-6.5	5
20100311	800	8.78	12.20	332.6	-5.5	9
1/31/2011	2200	2.94	4.30	332.7	-22.4	18
20100124	2100	7.82	12.60	332.8	-9.2	6
20100324	1500	1.89	4.30	332.8	-0.8	8
20100106	2000	2.09	4.90	332.9	-23.4	6
20100205	1500	3.79	7.80	332.9	0.3	9
20100311	200	6.50	10.60	332.9	-7.2	4
1/14/2012	2100	4.42	8.90	332.9	2.8	11.9
1/27/2012	1200	11.66	16.10	333	-7	74.5
20100129	1300	0.68	2.40	333.1	-2.1	11
20100301	400	0.29	1.30	333.1	-5.3	13
2/5/2011	1000	5.95	9.60	333.1	-2.7	6
3/2/2012	1300	11.01	15.30	333.3	-7.4	10.3
20100125	1700	3.75	9.10	333.4	-6.6	8

20100310	2300	7.70	10.20	333.4	-6.3	4
1/14/2011	800	0.92	2.80	333.4	-4.1	11
1/16/2012	1700	9.29	13.90	333.6	-8.9	23.4
20100311	300	8.52	12.00	333.8	-7.1	7
20100102	1500	5.36	8.10	333.9	-1.2	9
20100124	1000	9.73	14.50	333.9	-6.7	8
2/23/2012	600	8.87	12.10	333.9	-9.2	1.6
20100308	2200	5.00	9.70	334.1	-0.1	6
20100311	0	6.68	9.80	334.1	-6.5	6
20100308	900	2.54	4.90	334.2	-1.8	9
20100124	700	6.81	9.70	334.3	-8	8
20100301	1300	4.40	6.70	334.4	-0.3	10
20100311	1000	10.74	14.10	334.4	-4.5	9
1/21/2011	1200	9.54	14.40	334.4	-1.9	12
20100131	1000	2.10	6.90	334.5	-7.1	35
1/24/2011	1200	6.76	10.80	334.5	-4.6	9
20100310	700	0.33	1.00	334.6	-6.9	16
3/11/2011	800	5.68	10.30	334.7	2.7	24
2/23/2012	400	11.53	17.40	334.8	-7.6	
1/11/2012	1500	11.50	15.90	334.9	-13.9	46
20100306	1000	6.84	11.00	335.1	0.6	8
1/8/2012	1300	2.84	6.30	335.2	-1.6	60.2
20100311	1700	2.78	4.90	335.4	-3	14
2/23/2012	200	9.82	15.40	335.6	-5.7	
20100301	1800	0.85	1.90	335.7	-3.6	17
20100308	1700	6.28	9.40	335.7	1.2	9
3/4/2011	1100	7.86	11.50	335.8	0.3	94
1/22/2011	1600	11.64	19.50	335.9	-5.2	83
20100311	700	7.06	10.40	336	-6.2	4
2/5/2011	1100	6.62	10.60	336.1	-2.4	27
1/31/2011	700	6.82	10.40	336.2	-14.8	22
1/16/2012	1500	9.73	14.50	336.3	-7.1	12.1
1/27/2012	1700	2.66	4.50	336.4	-12.7	12.8
1/10/2012	2300	2.21	5.00	336.5	-1.2	10.5
1/24/2011	1000	4.09	6.90	336.6	-6.6	37
1/16/2012	1600	9.90	16.00	336.7	-8	21.5
20100211	1300	5.81	10.80	336.8	-2.7	10

1/24/2012	900	5.88	9.80	336.8	-5.1	8.4
2/7/2012	0	4.19	6.60	336.8	-8.5	2.7
20100225	900	3.84	5.70	336.9	-4.4	6
2/24/2011	1500	7.82	14.70	336.9	-2	67
20100214	400	7.30	9.80	337	-13	13
2/12/2012	1000	1.01	2.30	337.1	-1.3	41.9
2/5/2011	1200	8.39	11.80	337.2	-2.5	5
20100218	2000	0.77	1.90	337.3	-10.7	8
1/22/2011	1200	9.00	15.30	337.3	-3.5	50
2/6/2011	1300	8.83	12.10	337.3	-8.9	12
3/8/2012	200	1.26	1.90	337.3	-9.6	
20100213	1600	9.68	15.20	337.4	-2.5	42
20100311	500	6.42	10.00	337.6	-6.5	6
20100324	1700	2.78	4.10	337.6	-2.4	15
1/11/2012	1400	11.71	17.10	337.6	-13	112.5
20100127	1000	3.36	8.50	337.7	-2.2	10
1/9/2011	100	2.68	5.90	337.9	-3.3	7
3/7/2011	400	2.61	6.30	337.9	-6	1
2/6/2011	1400	9.14	13.10	338.1	-8.7	14
2/19/2012	1900	1.88	2.80	338.1	-5.7	9.1
20100326	2200	5.53	8.80	338.2	-3.1	6
20100314	2100	1.39	2.60	338.4	-2.8	10
20100314	2300	3.15	4.90	338.6	-3.4	9
1/24/2011	1400	7.11	9.50	338.6	-4	6
20100130	1100	0.89	3.30	338.7	-3.7	59
20100326	1900	5.10	7.90	338.8	-2.2	10
2/6/2012	2000	6.26	9.10	338.9	-8.1	12.2
3/7/2011	500	2.49	4.20	339.1	-6.8	5
1/22/2011	2300	5.48	8.60	339.3	-7.5	7
1/24/2012	1100	7.56	10.80	339.3	-5	13.1
2/6/2012	1200	2.90	5.80	339.3	-3.4	11.4
2/23/2012	800	5.77	11.60	339.3	-9.4	1.7
20100310	2200	8.22	11.30	339.4	-6.2	6
2/1/2011	100	4.93	7.60	339.4	-26.5	4
2/5/2011	1600	9.88	14.50	339.4	-4.1	4
2/23/2012	500	9.38	13.30	339.4	-8.8	
2/4/2011	300	0.51	1.50	339.7	-24.3	30

3/29/2011	400	0.92	2.50	339.7	-6.3	3
2/13/2012	300	5.82	10.70	339.8	-4.4	6.7
20100125	100	6.44	9.60	340	-10.4	6
3/8/2012	1000	1.76	4.70	340	-1.8	11.9
2/3/2012	2100	2.17	3.70	340.2	-7.5	-12.3
2/6/2012	2300	3.53	5.30	340.2	-8.3	11.4
2/19/2012	2200	8.70	12.70	340.2	-6.5	18
20100324	1400	2.67	5.00	340.3	-1.3	3
2/7/2012	100	4.48	6.10	340.3	-9.3	6.2
3/1/2012	100	4.54	9.80	340.4	-5.8	15.7
20100102	1600	5.21	7.80	340.6	-2.4	7
20100208	300	1.64	2.80	340.6	-9	5
20100228	100	2.58	5.20	340.7	-3.3	17
2/5/2011	1400	7.27	13.00	340.7	-3.3	8
1/27/2012	1100	7.31	14.10	340.7	-7.6	27.3
3/2/2012	1200	11.05	15.60	340.7	-8.3	13
20100312	100	2.41	7.30	340.8	-6.6	6
20100114	1800	1.50	3.00	341	-12.7	25
2/3/2012	1900	3.70	5.00	341	-7.3	14.7
2/12/2012	1600	3.26	5.40	341	-0.8	12.3
1/11/2012	1800	6.10	8.80	341.1	-16.9	7.4
1/12/2012	1600	8.22	12.50	341.1	-7.1	24.4
2/6/2012	2100	4.00	8.10	341.2	-8.2	12.6
20100305	1000	2.67	5.30	341.3	-2.4	5
20100315	400	2.17	3.80	341.3	-4.4	10
20100316	1700	2.78	6.10	341.3	5.6	21
1/12/2012	1300	3.38	6.70	341.3	-5.9	14.6
2/19/2012	2000	2.29	6.20	341.5	-5.4	8.6
20100309	500	1.78	3.30	341.6	-5.3	10
20100311	1100	10.51	14.00	341.6	-3.8	6
1/11/2012	0	3.03	6.60	341.6	-2.3	8.4
2/13/2012	600	6.23	9.20	341.6	-5.2	5.6
20100311	1200	9.81	13.00	341.7	-2.9	5
1/27/2012	600	5.69	9.50	341.7	-5	24.3
20100311	400	8.19	11.70	341.8	-6.6	6
20100324	1200	1.93	4.40	341.8	-3.2	8
1/10/2011	1500	1.66	3.10	341.9	-17.8	19

1/8/2012	1400	4.16	8.40	341.9	-1.3	97
20100310	2100	8.15	11.50	342	-5.7	8
3/11/2011	500	1.92	5.10	342	3.1	12
20100106	1100	7.15	9.80	342.1	-14.4	18
20100327	600	6.63	9.70	342.2	-4.3	8
20100311	600	6.60	9.00	342.3	-6.6	11
2/5/2011	600	10.97	17.10	342.3	-3.3	27
20100226	1800	0.86	2.80	342.4	-10.3	22
2/5/2011	1500	8.19	14.00	342.5	-3.7	4
1/27/2012	1300	10.22	14.80	342.6	-7.7	16.6
20100124	1900	8.00	10.90	342.7	-8.3	8
20100306	900	8.93	12.10	342.7	-0.1	12
20100308	1400	10.46	14.20	342.7	1.7	13
20100324	400	1.59	2.80	342.8	-7.6	10
20100125	300	5.42	9.50	342.9	-11.3	8
20100310	1800	7.67	11.40	342.9	-4.5	10
20100225	1300	8.28	10.70	343	-2.5	6
20100309	1000	7.32	12.10	343	-0.1	6
1/10/2011	1400	1.80	3.00	343.2	-15.5	26
20100310	2000	8.32	11.50	343.3	-5.4	7
2/5/2012	1500	3.21	5.40	343.5	-1.7	14.3
2/19/2012	1800	2.06	3.60	343.6	-4.8	9.8
2/6/2011	1100	8.02	10.80	343.7	-9.3	10
20100125	1100	2.32	9.90	343.8	-5.4	14
20100308	800	1.65	3.60	343.8	-2.3	13
2/5/2011	2300	4.33	6.80	343.8	-7.4	8
20100315	700	0.94	2.00	343.9	-4.3	10
1/31/2011	2300	3.40	6.00	344	-23.8	
20100228	1500	3.51	5.00	344.3	-0.2	17
20100310	1900	8.18	11.70	344.3	-5.1	8
2/6/2011	1200	7.81	10.60	344.3	-9	11
20100327	500	5.68	10.20	344.4	-4.6	6
20100320	1400	2.86	6.20	344.5	-2.4	5
3/7/2012	1600	3.66	5.80	344.5	-2.4	38.2
20100306	400	6.53	9.80	344.6	-1.6	7
1/23/2011	0	2.82	6.90	344.7	-9.1	6
2/5/2011	2000	4.79	7.10	344.7	-6.1	15

3/16/2011	2300	4.57	8.50	344.7	2.7	9
2/6/2012	1100	2.27	5.10	344.7	-3.9	17.9
20100225	1400	8.30	10.80	344.9	-2.6	8
2/6/2011	700	5.88	7.90	344.9	-10.1	8
20100128	1600	2.74	4.30	345.1	-5.7	9
20100225	1800	5.46	9.60	345.2	-4.8	5
20100306	1100	6.49	10.50	345.3	1.2	1
20100221	2300	1.35	3.10	345.4	-19.7	22
1/22/2011	1900	11.23	16.00	345.4	-6.6	44
2/9/2011	1200	0.53	1.40	345.5	-12.2	11
2/9/2012	900	3.23	7.40	345.5	-1.7	19.7
20100301	1700	2.44	3.80	345.6	-1.7	15
1/26/2011	500	3.28	7.60	345.6	-4.7	10
2/3/2012	1800	3.49	6.40	345.6	-7.3	21.6
3/29/2011	1400	1.98	5.60	345.7	3.1	9
2/10/2011	1500	4.14	7.80	345.8	-6.4	9
20100309	1100	8.27	11.30	345.9	0.7	9
20100216	1600	0.88	1.90	346	-3	14
20100303	1400	2.42	5.20	346.1	4.4	4
20100324	0	3.51	4.70	346.1	-4.9	6
2/5/2011	1300	7.73	12.00	346.2	-2.9	6
1/6/2012	1500	2.90	6.50	346.2	4.6	20.1
20100324	1000	2.05	5.10	346.3	-5.5	8
2/13/2012	400	8.04	11.10	346.3	-4.6	5.4
20100326	1200	5.13	8.60	346.4	2.6	15
1/11/2011	2200	2.27	4.90	346.4	-16.7	6
20100225	1200	7.74	10.90	346.6	-2.3	7
2/6/2011	600	4.93	7.30	346.6	-9.8	4
2/13/2012	500	6.66	11.10	346.6	-5	10.7
3/5/2012	200	1.98	5.20	346.8	1.6	21.8
1/22/2011	2100	9.29	15.00	346.9	-7.6	13
1/7/2012	1400	6.39	9.40	347	-1.3	9.7
20100110	1000	1.20	2.10	347.2	-8.8	21
1/22/2011	2200	6.10	10.00	347.2	-7.7	8
2/6/2011	1500	6.20	9.80	347.2	-9.2	8
20100306	200	8.35	12.20	347.3	-1.7	6
3/28/2011	1600	5.83	11.40	347.3	0.8	64

20100106	800	8.39	12.80	347.4	-4.7	4
20100310	1600	8.26	12.00	347.4	-3.1	17
3/9/2011	700	3.21	7.20	347.4	-5.2	6
1/27/2012	700	5.34	8.80	347.4	-5.8	13.1
1/24/2012	1000	7.76	11.10	347.5	-5.2	10.5
3/2/2012	1000	5.39	8.60	347.5	-8.7	15.9
20100211	1100	2.48	5.00	347.6	-3.6	7
2/9/2011	1600	1.83	3.10	347.6	-16.3	24
20100317	1000	0.79	2.50	347.7	10.4	-7
1/9/2011	300	2.13	5.80	347.7	-5.6	6
1/7/2012	1300	5.78	10.50	347.7	-1.2	11
20100102	1700	2.82	5.50	347.8	-3.4	10
3/21/2012	900	1.31	3.30	347.8	4.5	23.6
20100128	1400	4.90	6.40	347.9	-3.9	15
20100208	500	4.09	6.70	347.9	-8.8	8
2/5/2011	1800	6.28	8.70	347.9	-5.4	7
1/24/2012	1200	7.15	9.90	348.1	-5	6.7
2/1/2011	0	3.65	5.60	348.2	-25.1	11
2/5/2012	1400	3.29	5.60	348.2	-0.7	14.1
20100214	300	6.90	11.00	348.3	-12.3	17
20100214	1200	3.02	5.50	348.3	-12.2	23
20100225	1500	7.54	10.80	348.4	-2.8	6
20100326	2100	5.66	8.70	348.4	-2.7	9
1/9/2011	2300	2.27	4.50	348.4	-20.8	12
1/9/2011	200	2.77	5.30	348.5	-5.4	6
3/7/2012	2000	2.04	4.50	348.5	-4.9	17.4
20100306	100	9.12	15.80	348.6	-2.1	5
1/11/2012	1600	8.58	12.40	348.7	-15.4	29.7
1/27/2012	1600	5.64	8.50	348.7	-10.4	8.7
3/26/2011	0	3.04	6.10	348.9	-2.8	20
2/19/2012	1600	2.99	12.40	348.9	-3	39.7
20100310	1700	8.34	11.40	349.2	-4	14
1/31/2011	2000	3.89	5.80	349.3	-20.3	29
3/3/2011	2000	2.38	4.60	349.3	-1.4	18
1/11/2012	1300	11.15	15.70	349.3	-13.3	89.3
20100316	1200	3.47	8.60	349.4	6.6	17
3/8/2012	1300	1.52	3.90	349.5	2.8	16.4

2/5/2011	1700	7.82	12.60	349.7	-4.8	6
2/5/2012	1700	1.06	2.90	349.7	-5.8	11.2
2/10/2012	1400	5.33	8.00	349.7	-0.9	28.7
1/29/2011	1000	6.05	10.20	349.8	4.1	101
20100209	800	0.83	1.60	349.9	-25.4	30
20100206	1400	4.86	9.80	350.1	1.6	8
2/15/2012	1700	1.69	2.50	350.1	-7.4	18.5
2/5/2011	1900	3.93	5.50	350.5	-5.6	12
1/11/2012	700	8.02	11.90	350.5	-10.9	51.9
3/8/2011	1200	8.96	12.80	350.6	-3.7	17
20100225	1700	6.66	10.50	350.7	-4.4	10
1/19/2011	1100	8.66	13.70	350.8	-5.1	57
2/11/2011	900	1.44	2.50	350.8	-9.4	25
3/8/2011	1100	9.03	12.80	350.8	-4.4	9
20100228	1600	3.86	5.60	350.9	-0.7	16
1/22/2011	2000	11.20	15.80	350.9	-7.2	64
2/6/2012	1600	4.77	7.30	350.9	-4.8	15.7
3/12/2011	1100	3.23	7.50	351	3.8	22
20100324	1800	2.00	2.90	351.1	-5	14
2/6/2011	1600	4.75	6.30	351.3	-11.5	10
1/27/2012	800	8.06	12.50	351.3	-7.1	24.4
1/11/2012	600	6.85	10.50	351.4	-10.2	42.6
20100106	1000	7.63	12.00	351.5	-11.3	27
20100310	1500	8.28	11.70	351.5	-2.1	11
20100318	1300	6.15	8.60	351.5	4.6	23
1/11/2012	900	7.92	12.60	351.5	-12.3	54.3
20100310	1400	9.07	12.70	351.6	-1.9	12
1/11/2012	500	6.15	9.00	351.6	-9.5	29.1
1/11/2012	1700	5.04	9.70	351.7	-16.6	21.6
20100215	1700	2.57	4.10	351.8	-11.2	16
20100309	1200	8.23	10.60	351.9	1	8
3/7/2012	1700	2.04	3.00	351.9	-3.3	33.2
20100304	1100	1.16	2.20	352	2.6	28
1/31/2011	2100	4.31	6.80	352	-21.5	22
3/21/2012	1400	5.63	10.10	352	10.5	13.1
20100301	1000	2.27	3.30	352.1	-2.2	11
2/19/2012	1700	1.28	2.60	352.1	-3.9	19.3

20100304	1000	1.26	3.00	352.2	-1.2	7
2/6/2011	0	3.59	6.70	352.2	-7.5	3
1/11/2012	800	8.30	13.10	352.3	-11.9	44.6
20100225	800	1.65	5.30	352.4	-4.7	9
1/27/2012	900	7.32	10.30	352.5	-7.8	36.9
20100306	0	10.72	16.20	352.6	-1.7	4
20100106	1200	3.71	7.50	352.7	-15	7
20100225	1600	6.45	8.60	352.7	-3.6	8
20100306	1200	6.23	8.10	352.7	1.4	10
20100311	1300	10.30	14.20	352.9	-2.4	6
20100311	1400	10.73	14.50	353	-2.6	11
3/7/2012	1400	5.84	9.60	353	-2.3	17.8
3/12/2011	2300	3.40	6.20	353.1	-0.9	12
20100124	2000	6.37	9.50	353.2	-9.1	6
20100128	1500	4.29	5.80	353.2	-4.4	9
20100106	1300	6.22	10.10	353.3	-15.6	7
20100311	1500	8.93	13.00	353.7	-2.6	11
2/3/2011	700	1.07	2.70	353.9	-21.1	36
2/3/2012	2000	3.61	5.30	353.9	-7.4	11.7
2/19/2012	2100	5.91	9.20	353.9	-5.3	19.3
3/8/2012	1400	2.69	6.00	353.9	3.4	22.5
3/29/2011	1000	4.26	6.80	354	-0.9	7
1/7/2012	1200	4.44	6.90	354.1	-1.5	8
20100322	1900	4.29	7.60	354.2	0.9	19
20100326	2300	4.45	9.30	354.2	-4.2	5
3/11/2011	600	5.52	11.00	354.2	3.1	19
3/5/2012	300	2.10	5.80	354.2	1	24.6
20100223	1400	1.02	2.20	354.5	-2.6	17
3/29/2011	900	4.89	8.00	354.5	-1.9	10
2/4/2011	700	0.81	2.50	354.6	-16.1	7
3/7/2012	1800	1.21	2.80	354.7	-4.3	29.1
20100316	1100	3.13	5.60	354.9	5.8	12
20100320	1200	3.72	6.00	354.9	-4.1	11
1/8/2012	1100	2.46	4.80	354.9	-3	7.6
20100121	900	1.65	3.90	355	-6	48
20100317	1100	2.34	6.80	355.1	10.6	14
20100309	900	5.36	8.80	355.3	-1.4	12

20100326	1000	6.02	11.20	355.3	2.7	22
3/8/2011	1400	9.28	13.60	355.3	-2.9	24
1/27/2012	1000	7.00	11.00	355.4	-7.9	29.8
2/24/2011	1900	3.10	5.70	355.5	-6.2	13
1/24/2012	1300	5.89	8.40	355.5	-4.5	6.5
20100306	500	3.91	6.20	355.6	-1.9	7
1/26/2011	600	4.67	7.60	355.6	-4.2	9
3/21/2012	1300	4.29	11.80	355.6	9.7	9.2
3/21/2012	1700	6.35	10.60	355.6	9.1	37.6
3/7/2012	1900	2.82	5.70	355.7	-3.9	23.6
20100309	200	3.84	5.80	355.8	-1.6	6
2/17/2012	1100	4.27	7.00	355.8	-3.3	23
20100315	0	3.53	4.90	355.9	-3.5	9
2/6/2011	800	6.31	9.50	356	-10.5	4
2/13/2012	100	4.61	7.20	356	-3.6	0
3/4/2011	1200	8.30	13.20	356.3	-0.5	74
1/27/2012	1400	8.96	13.30	356.3	-8.3	14.2
2/6/2011	1800	2.12	5.60	356.4	-17	3
3/8/2011	1300	9.29	13.60	356.4	-3.3	23
20100306	300	7.53	11.40	356.6	-1.6	7
3/28/2011	1700	4.02	9.10	356.6	-0.1	40
2/4/2012	1500	1.48	2.60	356.7	-4.5	11
1/24/2011	1500	5.27	9.00	356.8	-4.2	6
3/29/2011	1200	2.70	7.40	356.8	1.7	11
1/24/2012	800	4.68	8.40	356.8	-4.4	15.5
2/9/2011	1400	0.63	2.30	356.9	-12.1	18
20100310	1100	5.79	10.20	357.1	-2.1	10
1/16/2012	1400	6.34	10.80	357.1	-6.2	45.9
1/11/2012	1100	7.76	14.00	357.2	-13.3	41.1
2/6/2012	2200	3.14	6.20	357.2	-8.2	9.5
1/11/2012	1000	6.73	10.40	357.3	-12.9	49.2
3/21/2012	1200	4.53	8.20	357.3	8.6	8.4
2/3/2012	1700	3.90	6.90	357.4	-7.1	19.6
3/2/2012	1100	8.02	13.30	357.4	-8.4	21
20100324	100	3.95	6.10	357.7	-5	6
2/1/2011	1200	3.19	5.90	357.7	-27.1	16
3/25/2011	1700	3.07	6.40	357.8	-0.7	18

20100225	1900	2.66	5.00	358	-6.6	5
20100310	1300	9.34	12.50	358	-1.6	10
20100314	2200	2.70	3.90	358	-2.9	10
1/7/2012	1500	3.64	6.90	358	-2.1	13.7
20100214	500	5.40	9.30	358.1	-13.4	10
1/11/2012	400	6.95	11.50	358.1	-8.3	92.6
1/24/2012	200	2.21	3.50	358.2	-4.1	10.4
20100207	1200	3.92	6.10	358.3	-4.6	5
20100310	1200	8.48	12.50	358.5	-1.6	11
20100322	1500	3.30	9.70	358.5	7.4	27
3/29/2011	1300	4.11	8.40	358.5	2.5	6
20100214	0	8.98	12.90	358.6	-8.5	12
20100125	400	4.71	6.90	358.9	-12.1	11
20100228	1300	3.87	4.90	358.9	0	15
20100225	1100	6.25	9.10	359.1	-2.6	12
3/28/2011	1800	4.62	8.40	359.1	-0.8	6
2/17/2012	1500	8.05	11.80	359.1	-5.1	11.4
1/12/2012	1100	2.10	5.30	359.3	-5.9	10.6
2/6/2012	1000	0.91	2.70	359.3	-5.3	12.7
20100311	1600	4.96	9.00	359.4	-2.2	11
20100222	100	1.03	2.50	359.5	-21.2	11
2/17/2012	1600	7.54	10.80	359.5	-5.5	12.3
1/16/2012	1300	6.98	13.00	359.6	-6.1	64
2/23/2012	700	4.81	9.60	359.6	-9.6	7.6
DATE	TIME	m/s	m/s	deg	degC	ug/m3
DATE	TIME	validated	validated	validated	validated	TEOM
AVERAGE	MPH	#VALUE!	#VALUE!			
MAX	M/S	#VALUE!	#VALUE!			1877.60
MAX	MPH	#VALUE!	#VALUE!			
STDEV	M/S	#VALUE!	#VALUE!			52.51
STDEV	MPH	#VALUE!	#VALUE!			
98PERC	M/S	#VALUE!	#VALUE!			385.67
98PERC	MPH	#VALUE!	#VALUE!			