CORRESPONDENCE/MEMORANDUM

State of Wisconsin

DATE: January 4, 2011 FILE REF:

TO: Air Toxics Monitoring File

FROM: David Grande – AM/7
Mark K. Allen – AM/7

SUBJECT: Speciated Mercury Monitoring at Chiwaukee Prairie, Pleasant Prairie, Wisconsin

Project Overview

Chiwaukee Prairie is a natural area near the shore of Lake Michigan, in the Town of Pleasant Prairie, just north of the Illinois border in far south-eastern Wisconsin. The Department of Natural Resources maintains an air monitoring station on this property, which has been used in several mercury studies. This site is of interest for mercury both because of its close proximity to the Pleasant Prairie Generating Station, which is one of Wisconsin's largest mercury sources, and to the southeastern border of Wisconsin which places it in an ideal position to monitor in-coming air masses. The generating station is located about 5 miles to the northwest of the monitoring site. It is within a mile of the border with Illinois. Monitoring for speciated mercury, including elemental (Hg^o), particulate bound (PBM) and gaseous oxidized mercury (GOM) has been conducted at the site during two distinct periods, the first in early 2007, and the second in 2010.

Monitoring during the first period was made possible through the loan of instrumentation from USGS, and represents Wi DNR's first experience with the full speciated Tekran instrumentation. The instruments were installed on 12/18/2006 and started operation at 10:00 AM. They remained on-site and in operation until 3/5/2007 at 9:55 AM, for a total of 77 days. Of a potential total of 924 two hour monitoring periods, 823 valid hourly results were obtained, for a completeness of 89.1%. This period will be referred to as "2007" in the discussion of data.

The Mercury Monitoring Trailer (MMT) is a shared resource of Michigan, Minnesota and Wisconsin. The trailer is equipped with two Tekran Mercury Analyzers, meteorological gear and a generator for mobile operations. A grant was obtained from GLAD to upgrade one of the existing elemental analyzers to a complete speciated system. Following installation in the trailer, a test of the system was conducted at the Chiwaukee Prairie monitoring site.

The instruments were installed on 04/06/2010 and started operation by 05:00 PM. They remained on-site and in operation until 06/08/2010 at 1:40 PM, for a total of just less than 63 days. Of a potential total of 503 three hour monitoring periods, 490 valid results were obtained, for a potential completeness of 97.4%. This period will be referred to as "2010" in the discussion of data.

Data from each of these periods is reported and compared. It should be noted that our current store of data from this site is limited and insufficient to determine annual averages, seasonal differences or any trends. It is also important to realize that differences in equipment deployed, and the analysis cycle incorporated (2 hours versus 3 hours) may also lead to some potential differences between the monitoring periods. Additional differences in data collection are discussed in the Equipment and Methodology section below.

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Equipment and Methodology

The speciated mercury analyzer is composed of a Tekran 2537A Mercury Vapour Analyzer to measure the elemental mercury concentrations, coupled with a Tekran 1135 Particulate Mercury Unit and a Tekran 1130 Mercury Speciation Unit . Ambient air is first drawn through a potassium chloride coated denuder for the removal of reactive gaseous mercury, followed by a regenerable particulate filter incorporating a quartz filter and a quartz bead packed column to capture particulate. Following this, an aliquot of the air sampled is drawn through the 2537A, where a cartridge containing a gold adsorbent concentrates the elemental mercury. The collected mercury is then thermally desorbed and detected using Cold Vapour Atomic Fluorescence Spectrometry (CVAFS). The use of two adsorbent cartridges in parallel allows for continuous sampling of ambient air.

The 2537A sampling cycle consists of drawing ambient air over the adsorbent cartridge for 5 minutes, after which a valve switches the sample flow to the second cartridge. The first cartridge is then flushed to remove any unabsorbed mercury in the cartridge and airways, after which it is heated to drive off the mercury and send it to the detector. This protocol therefore provides 5 minute average elemental mercury concentrations.

Particulate and reactive gaseous mercury are determined by thermally desorbing first the particulate filter, and then the KCl denuder in sequence. The desorption is conducted under high temperature conditions which convert the speciated mercury to the elemental form, which is then passed through the 2537A for measurement.

The entire sampling cycle is conducted over a two to three hour period. The essential difference between the cycle time is that the longer period allows for greater sensitivity in the determination of the particulate bound and gaseous oxidized mercury. The two hour cycle was used during the first monitoring episode in 2007, but a three hour cycle was used in 2010. Between 2007 and 2010, the National Atmospheric Deposition Program (NADP) instituted the Mercury Deposition Network (MDN), which included developing standardized operating procedures (SOP). The SOP indicates that the three hour sampling cycle is preferable in low concentration areas, and WI DNR has adopted this protocol with its instruments.

During the first one or two hours, 5 minute average elemental mercury values are obtained, while sufficient sample is collected to determine the particulate and reactive gaseous mercury. During the final hour, the particulate and reactive gaseous mercury levels collected during the first hour are determined during three 5-minute cycles for particulate and three 5-minute cycles for reactive gaseous mercury. Thus, the instrument provides 12 or 24 5-minute average elemental mercury values and single complete cycle particulate and reactive gaseous average values during every two or three hours of operation.

An internal mercury permeation source allows for an automated calibration cycle on the 2537A. The calibration cycle includes a cleaning cycle intended to remove any residual mercury on the cartridges; zero determinations during which clean cylinder air is sampled for the same period as ambient determinations; and span determinations during which air is sampled from over the permeation source. The instrument performs another cleaning cycle before returning to ambient air sampling. The calibration cycle takes 40 minutes to perform in its entirety. A calibration interval of 25 hours was in place during 2007 (ie an autocalibration cycle every 25 hours), while one of 70 hours was in place in 2010.

Instrument performance is monitored by the response during the clean and zero cycles, and the changes in the response factor calculated from the span values. Major residual concentrations in the zero or clean cycles may be an indicator of instrumental contamination requiring action. Sudden major changes in a

response factor, or major differences between the two channels may also be indications of sub-optimal instrument performance.

The particulate and reactive gaseous mercury instrument performance is monitored by the response during additional clean cycles associated with these units (four prior to particulate desorption each sampling cycle, and two during instrument cool-down), and from carryover observed during the individual species' cycles. Ideally, all of the residual will be cleared during the first clean cycle, and each species will be fully desorbed during the first cycle as well. Carryover in all cases is possible, and was observed at different times.

Meteorological data for the project were collected at the site using the standard site met gear. Data is available as both 5 minute and hourly averages. Given the nature of the Tekran's operation, only hourly average values have been evaluated herein. Wind speed and direction have been averaged for each two hour sampling period for comparison with the mercury data in 2010.

All data for the project was routinely downloaded from the trailer computer and stored in computers at the DNR's central office. The data was imported to database and spreadsheet formats for processing and analysis. Meteorological data was obtained both as hourly averages through Wisards, the central monitoring database, and as minute average data directly from the site data logger to provide a mechanism for checking vector mean calculations.

Ambient Data, Mercury Results

Data is only considered on a per sampling period average basis. Note that the first monitoring period employed a one hour sampling period, while the 2010 monitoring used a two hour sampling period. Only periods containing valid (not suspect) data for all parameters have been included. The first tables below presents the overall average, maximum and minimum values observed for each species. The elemental mercury values are reported in nanograms/cubic meter (ng/m^3), while the particulate and reactive species are reported as picograms/cubic meter (pg/m^3).

Table 1a: Hourly Average Speciated Mercury Values, 2007

Species (units)	Average	Max	Min	RSD (%)	Values
Elemental (ng/m^3)	1.76	3.25	1.44	10.1%	823
PBM (pg/m^3)	5.8	69.8	0.0	87.3%	823
GOM (pg/m^3)	2.5	38.8	0.0	150.0%	823

Table 1b: Per Sample Period Average Speciated Mercury Values, 2010

Species (units)	Average	Max	Min	RSD (%)	Values
Elemental (ng/m^3)	1.63	6.57	1.13	22.1%	490
PBM (pg/m^3)	7.6	306.0	0.0	193.4%	490
GOM(pg/m^3)	3.1	60.7	0.0	209.7%	490

Note that the averages between the two monitoring periods are similar, but that the range of values observed in 2010 is significantly wider than that seen during 2007. The maximum elemental values in both 2007 and 2010 are associated with westerly winds (258 and 274 degrees, respectively). While there is no known source in this direction, the 2010 maximum value, 6.57 ng/m^3 over a two hour average, is significantly elevated over typical background levels and is highly suggestive of either an unknown source, or an unusual event such as a fire.

The maximum particulate bound value in 2010, 306.0 pg/m^3, represents an isolated incident with winds directly from the northwest. The second highest value in 2010, 84.5 pg/m^3, is much more in line with the

maximum observed in 2007. All three of these values are associated with northwest winds, ranging from 330 to 304 degrees.

The maximum gaseous oxidized values are not as closely associated with particular wind directions. In 2010, two values in excess of 60 pg/m^3 were observed, one associated with winds from the northeast, and the other with southerly winds. In 2007, 2 of the 4 highest values are associated with southerly winds, one with easterly winds and one with northwesterly winds.

The tables below provide frequency distributions of the observed values. The number of values falling within each range, as well as the percentage of the total values each represents is shown. Values for the elemental are in ng/m^3, while those for the speciated mercury are in pg/m^3.

Table 2: Frequency Distribution of Speciated Mercury Values, 2007

	>100	**>50**	**>25**	**>10**	**>5**	**>3**	**>2**	**>1.5**	**>1**	**<1**	**0**
Elemental					0	2	67	747	7	0	
					0.0%	0.2%	8.1%	90.8%	0.9%	0.0%	
PBM	0	1	3	140	275	185	74	32	25	23	65
	0.0%	0.1%	0.4%	17.0%	33.4%	22.5%	9.0%	3.9%	3.0%	2.8%	7.9%
GOM		0	4	29	60	96	158	84	88	116	188
		0.0%	0.5%	3.5%	7.3%	11.7%	19.2%	10.2%	10.7%	14.1%	22.8%

Table 2b: Frequency Distribution of Speciated Mercury Values, 2010

	>100	**>50**	**>25**	**>10**	**>5**	**>3**	**>2**	**>1.5**	**>1**	**<1**	**0**
Elemental				0	1	3	19	323	144	0	
				0.0%	0.2%	0.6%	3.9%	65.9%	29.4%	0.0%	
PBM	1	1	2	80	201	126	40	15	8	13	3
	0.2%	0.2%	0.4%	16.3%	41.0%	25.7%	8.2%	3.1%	1.6%	2.7%	0.6%
GOM		2	5	30	44	54	37	27	42	121	128
		0.4%	1.0%	6.1%	9.0%	11.0%	7.6%	5.5%	8.6%	24.7%	26.1%

Note that the distribution pattern is generally similar between the two monitoring periods. Note especially the large number of zero values observed for GOM during both periods, and PBM during the 2007 monitoring period. It should be noted that in cases where the calculated PBM or GOM values were less than zero because of a higher flush cycle residual value than that observed in the speciated cycle, a value of zero was assigned. This situation pertained in a single case for both species in 2007, and in a single case for PBM in 2010. The raw GOM values were below zero 45 times during the latter monitoring period, with the minimum value calculated at -4.2 pg/m^3 and 9 values below -1.0.

Ambient Data, Meteorological Evaluation

Meteorological and concentration data have been combined to provide the following tables. Wind direction has been grouped according to 45° octants. Both concentration and frequency distributions are shown in each of the tables. The first set compile the elemental mercury values observed during each monitoring period.

Table 3a: Elemental Mercury (ng/m^3), Values and Distribution by Wind Direction, 2007

OCTANT	N	Average	Max	Min	>3	>2	>1.5	>1
N	54	1.79	2.38	1.57	0	6	48	0
NE	41	1.72	2.32	1.53	0	3	38	0
E	36	1.83	2.71	1.51	0	4	32	0
SE	37	1.98	3.23	1.68	1	12	24	0
S	56	1.91	2.30	1.61	0	17	39	0
SW	187	1.78	2.32	1.59	0	16	171	0
W	249	1.69	3.25	1.44	1	3	239	6
NW	163	1.72	2.74	1.49	0	6	156	1

Table 3b: Elemental Mercury (ng/m^3), Values and Distribution by Wind Direction, 2010

OCTANT	n	Average	Max	Min	>3	>2	>1.5	>1
N	65	1.51	1.97	1.15	0	0	29	36
NE	93	1.50	1.85	1.14	0	0	52	42
E	50	1.58	2.13	1.13	0	1	36	13
SE	55	1.67	2.47	1.25	0	4	43	8
S	93	1.75	4.41	1.15	2	11	62	18
SW	36	1.67	2.29	1.14	0	1	30	5
W	38	1.79	6.57	1.27	2	0	28	8
NW	60	1.62	2.55	1.36	0	2	44	14

The elemental mercury data shown in table 3 shows that concentrations relative to wind direction at this site are relatively consistent, with maximum values associated with westerly and southerly winds during both periods. With the exception of the westerly associated values, averages tended to be lower during 2010. It is not known whether this is an instrumental artifact, or evidence of a seasonal or annual trend.

The tables on the following page compile the particulate bound and gaseous oxidized mercury associated with each 45° octant. The graphs on the pages following the tables plot the speciated mercury concentrations versus wind direction. These graphs have been prepared by compiling the averages of each 20° segment of wind direction. Two separate figures for 2010 have been prepared, the first including all data, while the second excludes the singular maximum value as an unusual event which skews the scale of the graph.

Note that the maximum values appear to be associated with the east, southeast and south in 2007. It should be noted that the Chiwaukee Prairie site is located within a quarter mile of Lake Michigan, so that any wind from northeast, east or southeast is coming from over the lake. Southerly winds are from Waukegon and Chicago. Maximum values observed in 2010, however, appear to originate from the northwest, northeast and west. Whether this difference is related to seasonally different winds is not clear. More data collection at this site may allow further definition of the source regions for the observed values and clarify seasonal trends.

Table 4a: Particulate Bound Mercury (pg/m^3), Values and Distribution by Wind Direction, 2007

OCTANT	n	Average	Max	Min	>50	>25	>10	>5	>3	>2	>1.5	>1	<1	=0
N	54	5.0	21.4	0	0	0	10	9	14	6	5	1	2	7
NE	41	3.6	12.6	0	0	0	1	13	8	4	0	0	6	9
E	36	8.6	25.9	0	0	1	10	14	8	0	0	0	0	3
SE	37	8.3	41.7	0	0	1	7	17	10	2	0	0	0	0
S	56	7.2	26.6	0	0	1	12	23	7	7	3	2	0	1
SW	187	5.4	21.5	0	0	0	26	57	47	22	5	3	3	24
W	249	5.7	20.4	0	0	0	47	82	47	17	10	8	3	35
NW	163	5.5	69.8	0	1	0	17	57	32	16	9	11	8	12

Table 4b: Particulate Bound Mercury (pg/m^3), Values and Distribution by Wind Direction, 2010

OCTANT	n	Average	Max	Min	>50	>25	>10	>5	>3	>2	>1.5	>1	<1	=0
N	65	5.9	15.7	1.2	0	0	8	19	30	5	2	1	0	0
NE	93	8.5	23.6	0.8	0	0	28	37	21	5	1	0	1	0
E	50	7.1	17.0	2.4	0	0	8	26	13	3	0	0	0	0
SE	55	7.1	23.4	1.8	0	0	7	35	8	4	1	0	0	0
S	93	6.9	24.9	0.6	0	0	17	40	20	6	3	4	3	0
SW	36	6.2	17.5	0	0	0	6	16	6	3	3	0	1	1
W	38	7.0	49.2	0	0	2	4	12	9	3	2	0	5	1
NW	60	10.9	306.0	0	2	0	2	16	19	11	3	3	3	1

Table 5a: Gaseous Oxidized Mercury (pg/m^3), Values and Distribution by Wind Direction, 2007

OCTANT	n	Average	Max	Min	>50	>25	>10	>5	>3	>2	>1.5	>1	<1	=0
N	54	2.0	11.6	0	0	0	1	2	10	7	5	5	7	17
NE	41	1.6	5.1	0	0	0	0	1	5	10	6	3	7	9
E	36	5.0	30.2	0	0	1	2	6	6	10	1	4	1	5
SE	37	3.1	9.4	0	0	1	0	8	5	7	3	4	7	2
S	56	5.8	38.8	0	0	1	14	11	5	2	4	4	7	8
SW	187	2.6	21.1	0	0	0	6	23	26	38	14	13	29	38
W	249	1.3	6.6	0	0	0	0	3	22	51	29	33	34	77
NW	163	2.4	25.1	0	0	1	6	6	17	33	22	22	24	32

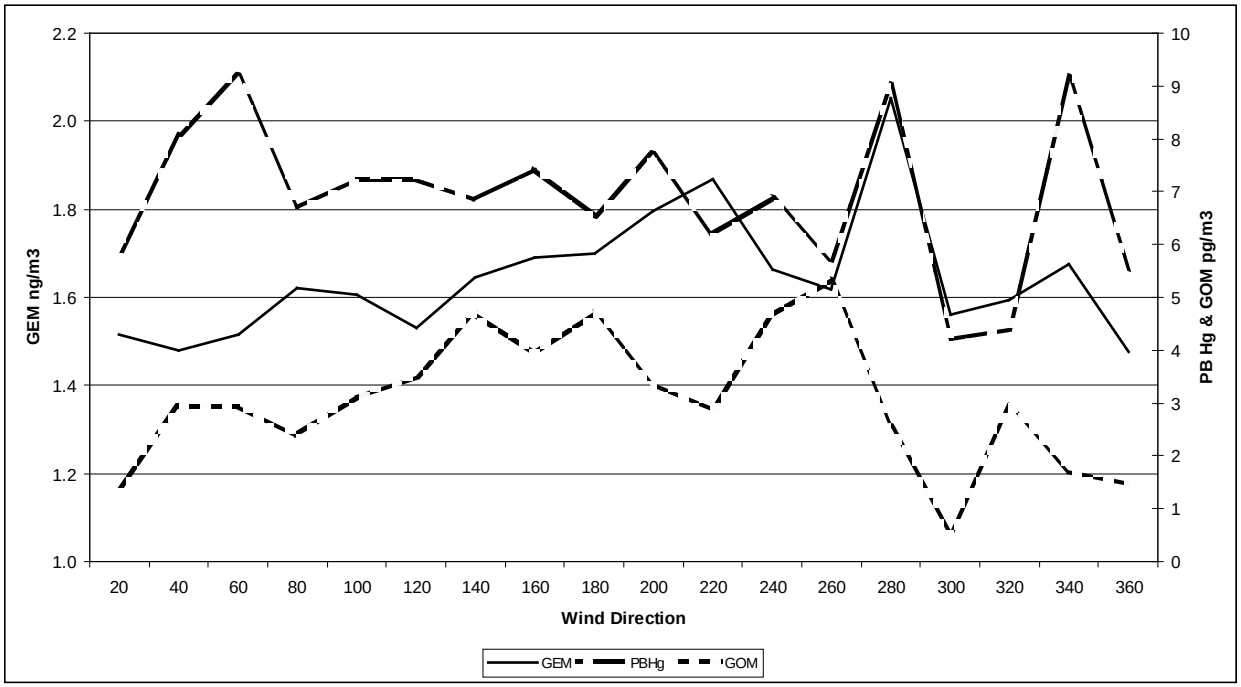
Table 5b: Gaseous Oxidized Mercury (pg/m^3), Values and Distribution by Wind Direction, 2010

OCTANT	n	Average	Max	Min	>50	>25	>10	>5	>3	>2	>1.5	>1	<1	=0
N	65	1.7	9.5	0	0	0	0	6	10	2	5	9	15	18
NE	93	2.9	60.6	0	1	1	3	5	11	6	7	11	22	26
E	50	2.8	24.1	0	0	0	3	6	6	1	4	3	9	18
SE	55	4.1	32.6	0	0	1	6	8	5	7	2	4	15	7
S	93	4.3	60.7	0	1	1	9	11	10	9	6	6	25	15
SW	36	2.1	18.9	0	0	0	3	4	5	4	2	2	9	7
W	38	2.7	33.9	0	0	1	4	2	3	4	0	1	11	12
NW	60	2.1	45.8	0	0	1	2	2	4	4	1	6	15	25

Figure 1: Hourly Speciated Mercury Concentrations versus Wind Direction, 2007

Figure 2: Hourly Speciated Mercury Concentrations versus Wind Direction, 2010

Figure 3: Hourly Speciated Mercury Concentrations versus Wind Direction, without Max PB Hg



Quality Control

Quality control procedures for this study included four type of checks of the Tekran mercury analyzer and the data from that analyzer. The four types of checks include:

- A review of the daily calibration reports.
- A review of the hourly particulate and reactive cleaning cycles.
- A review of the analyzer desorption flags.
- Comparison of the two analyzer channels for consistency.

Missing data between is listed in Table Q-1. Not included in Table Q-1 is the time off-line for the automatic calibrations. The calibration procedure itself requires the analyzer to be off-line for 40 minutes for each cycle, and the coordination with the speciation modules requires that each analytical cycle begin at the top of the hour, resulting in the loss of a full hour.

Table Q-1a: Missing, Suspect and Voided Data Periods, 2007

Missing Period	Species Invalidated	Reasons for Invalidation
12/18/06 10:00 – 12/18/06 12:35	All Species Voided	Instrument Startup
12/18/06 15:00 – 12/18/06 17:55	Particulate and Reactive Suspect	Excessive Carryover
1/11/07 17:00 – 1/11/07 17:55	Particulate and Reactive Voided	Glassware Change
1/18/07 10:00 – 1/22/07 13:30	All Species Missing	Data Logger Accidentally Turned Off
1/26/07 15:00 – 1/26/07 23:55	Particulate and Reactive Suspect	Excessive Background and Carryover
2/20/07 10:00 – 2/20/07 12:00	Particulate and Reactive Suspect	Excessive Carryover
2/20/07 15:00 – 2/20/07 22:00	Particulate and Reactive Suspect	Excessive Carryover
2/28/07 13:00 – 2/28/07 22:00	Particulate and Reactive Suspect	Excessive Carryover

Table Q-1b: Missing, Suspect and Voided Data Periods, 2010

Missing Period	Species Invalidated	Reasons for Invalidation
04/06/10 16:30 – 04/06/10 20:00	All Species Voided	Instrument Startup
04/15/10 14:10 – 04/15/10 17:05	All Species Voided	Glassware Change
05/05/10 17:10 – 05/05/10 20:05	All Species Voided	Glassware Change
05/21/10 08:10 – 05/21/10 11:05	All Species Voided	Glassware Change

A final review of the data shows that between 12/18/06 10:00 and 03/05/07 09:55 a total of 20719 / 22175 valid 5 minute measurements were collected. This is a completeness of 93.4% (this number includes the daily loss of 2.8% for calibrations). When examined on an hourly basis incorporating the speciation cycle, this translates to 823 hours of valid speciation data, out of a potential 924 hours, yielding a completeness of 89.1%. Cycles with less than 75% data capture are excluded.

Review of the data collected between 04/06/2010 16:30 and 06/08/2010 13:40 shows a total of 17899 / 18110 valid 5 minute measurements collected. This is a completeness of 98.8%. When examined on a per speciation cycle basis, this translates to a total of 490 valid speciation cycles based on a requirement of 75% hourly data capture for the entire cycle. With a potential total of 503 cycles, this indicates a completeness of 97.4%.

Daily Calibration Reports.

Daily calibrations of the analyzer were automatically conducted every 25 hours during 2007 and every 70 hours during 2010. The calibration consists of three sample runs on each channel of the analyzer. Runs include a trap cleaning, a zero gas, and a span gas. Following the calibration the instrument prints a

report that includes the instrument response factor for each sampling trap. The response factor is then used for the calculation of all results until the next calibration cycle. After the calibration and prior to the start of ambient sampling the analyzer performs a second cleaning run on each trap.

Parameters examined on the calibrations were the clean and zero values, and the span and calculated response factor. A summary of these parameters is show in Table Q-2 and Q-3. The first table summarizes the area count of all Clean and Zero cycles during the project for each analysis channel. Ideally, these values will be zero. Non-zero values are indicators of mercury carryover on the sampling traps, and can be expected for cleaning cycles which interrupt a sampling run. In addition to reporting the range of values observed, the number of zero and non-zero values are quantified.

Table Q-2a: Calibration Parameters, Cleans and Zeros, 2007

	CLEANS		ZEROS		1130/1135 Flush
	Channel A	Channel B	Channel A	Channel B	
Average	750	262	124	149	264
Min	0	0	0	0	0
Max	3548	34373	4885	2379	6737
Count = 0	131	139	68	65	3770
Count >0	8	2	2	5	417
Count >10000	3	1	0	0	0
Count All	142	142	70	70	4187

Table Q-2b: Calibration Parameters, Cleans and Zeros, 2010

	CLEANS		ZEROS		1130/1135 Flush
	Channel A	Channel B	Channel A	Channel B	
Average	515	527	210	375	962
Min	0	0	0	0	0
Max	9875	13455	3200	3509	57001
Count = 0	35	39	16	18	1798
Count >0	9	3	5	3	628
Count >10000	0	1	0	0	52
Count All	44	44	21	21	2478

These indicators show that the instruments were working well throughout each of the monitoring periods.

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
18-Dec-06	19	1.51	1.5	2.2	0.1%	4.5	301
18-Dec-06	21	1.51	1.9	1.8	0.1%	2.9	274
18-Dec-06	23	1.55	1.5	2.0	0.1%	4.4	276
19-Dec-06	1	1.49	2.1	1.8	0.1%	4.4	270
19-Dec-06	3	1.45	2.8	0.7	0.0%	3.1	262
19-Dec-06	5	1.44	4.3	1.8	0.1%	3.1	280
19-Dec-06	7	1.47	3.8	0.0	0.0%	7.1	277
19-Dec-06	9	1.50	3.6	0.7	0.0%	7.0	282
19-Dec-06	12	1.69	4.6	3.6	0.2%	7.1	259
19-Dec-06	14	1.63	2.3	4.2	0.3%	10.7	256
19-Dec-06	16	1.64	2.4	3.8	0.2%	9.1	250
19-Dec-06	18	2.10	2.6	3.5	0.2%	6.5	214
19-Dec-06	20	1.65	2.3	0.9	0.1%	9.3	220
19-Dec-06	22	1.70	2.4	0.6	0.0%	6.7	224
20-Dec-06	0	1.64	3.0	1.3	0.1%	7.5	225
20-Dec-06	2	1.64	2.6	2.4	0.1%	6.7	231
20-Dec-06	4	1.70	3.4	2.6	0.2%	8.5	238
20-Dec-06	6	1.86	12.0	5.9	0.3%	8.3	240
20-Dec-06	8	1.92	18.5	13.3	0.7%	7.0	231
20-Dec-06	10	1.86	12.2	10.5	0.6%	9.4	217
20-Dec-06	13	1.80	5.8	5.4	0.3%	7.4	216
20-Dec-06	15	1.79	3.7	3.9	0.2%	4.1	244
20-Dec-06	17	2.01	5.6	6.1	0.3%	4.3	237
20-Dec-06	19	1.96	6.0	4.5	0.2%	2.0	21
20-Dec-06	21	1.88	6.2	4.1	0.2%	2.4	172
20-Dec-06	23	1.94	9.3	8.0	0.4%	2.1	98
21-Dec-06	1	1.97	23.1	14.3	0.7%	4.0	102
21-Dec-06	3	1.96	25.9	9.9	0.5%	3.9	92
21-Dec-06	5	1.85	7.9	5.2	0.3%	6.9	114
21-Dec-06	7	1.83	4.2	6.1	0.3%	8.9	114
21-Dec-06	9	1.84	4.3	3.4	0.2%	11.3	84
21-Dec-06	11	1.80	4.2	2.3	0.1%	12.2	87
21-Dec-06	14	1.94	5.0	2.2	0.1%	10.0	114
21-Dec-06	16	1.98	4.1	0.8	0.0%	9.0	125
21-Dec-06	18	1.97	3.3	1.1	0.1%	7.2	131
21-Dec-06	20	2.01	2.3	0.9	0.0%	5.2	150
21-Dec-06	22	2.00	2.9	0.0	0.0%	7.1	161
22-Dec-06	0	2.01	2.7	0.7	0.0%	6.6	171
22-Dec-06	2	1.99	3.1	0.5	0.0%	2.7	147

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m^3	PB Hg pg/m^3	GOM pg/m^3	GOM %	VMWS	VMWD
22-Dec-06	4	2.07	3.1	2.1	0.1%	6.0	149
22-Dec-06	6	2.02	1.6	0.9	0.0%	5.6	160
22-Dec-06	8	2.01	1.3	0.8	0.0%	6.0	164
22-Dec-06	10	2.03	0.0	0.6	0.0%	2.1	220
22-Dec-06	12	2.00	0.0	0.0	0.0%	3.2	70
22-Dec-06	15	1.92	0.8	0.0	0.0%	19.6	232
22-Dec-06	17	1.92	0.0	0.0	0.0%	18.9	239
22-Dec-06	19	1.92	0.5	0.0	0.0%	17.2	256
22-Dec-06	21	1.89	0.0	0.0	0.0%	17.1	251
22-Dec-06	23	1.88	0.0	0.0	0.0%	18.5	256
23-Dec-06	1	1.81	0.0	0.0	0.0%	19.5	255
23-Dec-06	3	1.85	0.0	0.0	0.0%	18.7	252
23-Dec-06	5	1.76	0.0	0.0	0.0%	17.6	256
23-Dec-06	7	1.77	0.0	0.0	0.0%	16.2	261
23-Dec-06	9	1.75	0.0	0.0	0.0%	17.5	264
23-Dec-06	11	1.72	0.0	0.0	0.0%	17.5	260
23-Dec-06	13	1.70	0.0	0.0	0.0%	17.8	258
23-Dec-06	16	1.74	0.0	0.0	0.0%	12.8	276
23-Dec-06	18	1.68	0.0	0.0	0.0%	13.2	268
23-Dec-06	20	1.71	0.0	5.2	0.3%	13.9	293
23-Dec-06	22	1.69	0.0	0.0	0.0%	11.6	310
24-Dec-06	0	1.71	0.0	0.0	0.0%	11.7	286
24-Dec-06	2	1.67	1.0	0.0	0.0%	9.3	270
24-Dec-06	4	1.65	0.6	0.0	0.0%	6.4	253
24-Dec-06	6	1.67	1.7	0.0	0.0%	10.3	268
24-Dec-06	8	1.70	1.8	0.0	0.0%	5.4	252
24-Dec-06	10	1.73	3.3	0.6	0.0%	4.8	251
24-Dec-06	12	1.78	4.8	1.5	0.1%	9.4	158
24-Dec-06	14	1.86	4.6	0.6	0.0%	10.0	158
24-Dec-06	17	1.78	4.6	21.1	1.2%	5.6	199
24-Dec-06	19	1.82	4.9	2.5	0.1%	6.8	195
24-Dec-06	21	1.86	9.2	8.8	0.5%	8.9	203
24-Dec-06	23	1.75	7.8	3.6	0.2%	10.4	199
25-Dec-06	1	1.78	7.7	5.3	0.3%	6.0	271
25-Dec-06	3	1.76	9.1	2.0	0.1%	3.7	226
25-Dec-06	5	1.73	7.6	1.6	0.1%	3.1	187
25-Dec-06	7	1.72	7.1	0.0	0.0%	2.6	300
25-Dec-06	9	1.73	6.9	0.0	0.0%	3.0	318
25-Dec-06	11	1.98	9.3	5.1	0.3%	8.5	349

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
25-Dec-06	13	1.78	4.5	0.0	0.0%	10.8	17
25-Dec-06	15	1.81	5.0	0.0	0.0%	13.3	360
25-Dec-06	18	1.83	5.4	3.5	0.2%	15.2	355
25-Dec-06	20	1.75	3.6	3.7	0.2%	12.4	355
25-Dec-06	22	1.74	2.2	2.1	0.1%	10.5	345
26-Dec-06	0	1.73	2.5	3.0	0.2%	12.8	345
26-Dec-06	2	1.70	1.6	0.6	0.0%	12.8	339
26-Dec-06	4	1.70	1.2	0.0	0.0%	12.3	334
26-Dec-06	6	1.70	1.0	0.0	0.0%	15.5	320
26-Dec-06	8	1.68	0.8	0.0	0.0%	11.6	317
26-Dec-06	10	1.72	0.9	0.0	0.0%	10.4	324
26-Dec-06	12	1.98	4.1	25.1	1.3%	9.1	311
26-Dec-06	14	1.73	1.4	0.0	0.0%	9.3	282
26-Dec-06	16	1.76	2.4	0.0	0.0%	9.1	274
26-Dec-06	19	1.79	2.1	0.0	0.0%	6.9	253
26-Dec-06	21	1.73	3.5	0.0	0.0%	8.1	243
26-Dec-06	23	1.70	4.4	0.0	0.0%	7.1	244
27-Dec-06	1	1.72	4.3	0.0	0.0%	7.4	261
27-Dec-06	3	1.75	4.6	0.0	0.0%	6.8	251
27-Dec-06	5	1.71	5.0	0.0	0.0%	7.7	264
27-Dec-06	7	1.81	4.5	0.0	0.0%	7.0	260
27-Dec-06	9	1.81	5.4	0.0	0.0%	7.6	249
27-Dec-06	11	1.77	6.0	0.5	0.0%	6.1	226
27-Dec-06	13	1.76	5.4	0.9	0.0%	10.0	216
27-Dec-06	15	1.73	4.9	0.6	0.0%	8.1	207
27-Dec-06	17	1.81	6.6	1.2	0.1%	5.7	176
27-Dec-06	20	2.18	9.2	6.6	0.3%	5.4	176
27-Dec-06	22	2.01	15.4	13.3	0.7%	10.4	211
28-Dec-06	0	1.80	10.4	4.2	0.2%	4.8	192
28-Dec-06	2	2.02	9.8	7.1	0.4%	3.1	168
28-Dec-06	4	1.78	7.3	6.0	0.3%	3.7	134
28-Dec-06	6	1.61	7.1	9.4	0.6%	6.1	158
28-Dec-06	8	2.06	41.7	29.7	1.4%	6.6	155
28-Dec-06	10	2.30	26.6	19.4	0.8%	6.8	165
28-Dec-06	12	2.23	19.4	7.6	0.3%	7.2	143
28-Dec-06	14	2.20	19.8	7.6	0.3%	5.1	127
28-Dec-06	16	2.08	11.2	2.4	0.1%	3.9	85
28-Dec-06	18	2.04	9.0	0.0	0.0%	4.4	25
28-Dec-06	21	2.06	5.9	0.0	0.0%	7.9	6

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
28-Dec-06	23	1.94	5.8	1.0	0.1%	5.8	17
29-Dec-06	1	1.97	10.8	0.5	0.0%	4.6	12
29-Dec-06	3	1.97	9.2	0.0	0.0%	5.2	30
29-Dec-06	5	1.99	7.7	0.0	0.0%	3.6	43
29-Dec-06	7	1.94	8.4	0.0	0.0%	4.6	75
29-Dec-06	9	1.99	9.0	0.0	0.0%	6.2	106
29-Dec-06	11	1.99	10.2	0.8	0.0%	4.3	142
29-Dec-06	13	2.00	9.5	0.8	0.0%	4.8	145
29-Dec-06	15	1.99	8.2	0.0	0.0%	4.2	146
29-Dec-06	17	1.95	7.8	0.0	0.0%	2.6	43
29-Dec-06	19	1.95	8.0	0.0	0.0%	2.4	10
29-Dec-06	22	2.04	12.0	0.0	0.0%	2.3	322
30-Dec-06	0	1.94	9.7	0.0	0.0%	1.5	244
30-Dec-06	2	1.95	9.2	0.0	0.0%	3.0	344
30-Dec-06	4	2.22	10.0	0.0	0.0%	6.7	1
30-Dec-06	6	2.15	6.4	0.0	0.0%	3.3	309
30-Dec-06	8	2.10	8.3	0.0	0.0%	9.4	9
30-Dec-06	10	1.97	11.3	0.0	0.0%	3.3	341
30-Dec-06	12	2.32	12.6	0.8	0.0%	5.8	31
30-Dec-06	14	2.38	10.8	0.0	0.0%	8.3	19
30-Dec-06	16	2.24	8.6	0.0	0.0%	5.1	35
30-Dec-06	18	2.18	13.1	0.7	0.0%	8.4	12
30-Dec-06	20	2.01	10.0	0.0	0.0%	9.2	7
30-Dec-06	23	2.27	12.8	0.0	0.0%	3.5	89
31-Dec-06	1	2.29	12.2	0.8	0.0%	6.2	114
31-Dec-06	3	2.24	9.1	1.7	0.1%	10.5	131
31-Dec-06	5	2.14	10.4	4.2	0.2%	12.9	130
31-Dec-06	7	2.02	7.7	3.7	0.2%	13.8	122
31-Dec-06	9	1.92	6.4	2.9	0.1%	9.4	136
31-Dec-06	11	1.89	3.3	0.0	0.0%	11.5	155
31-Dec-06	13	1.97	1.9	0.4	0.0%	10.9	161
31-Dec-06	15	1.97	1.6	0.0	0.0%	9.9	169
31-Dec-06	17	2.04	2.6	0.0	0.0%	3.0	189
31-Dec-06	19	1.77	1.1	0.0	0.0%	12.8	230
31-Dec-06	21	1.76	1.2	0.4	0.0%	13.5	232
01-Jan-07	0	1.78	0.0	0.0	0.0%	19.0	236
01-Jan-07	2	1.78	0.0	0.0	0.0%	18.2	241
01-Jan-07	4	1.71	0.0	0.3	0.0%	20.0	235
01-Jan-07	6	1.70	0.0	0.0	0.0%	11.8	254

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
01-Jan-07	8	1.77	0.0	0.0	0.0%	12.9	308
01-Jan-07	10	1.66	0.0	0.0	0.0%	14.2	321
01-Jan-07	12	1.68	0.5	0.0	0.0%	15.1	332
01-Jan-07	14	1.69	0.9	0.0	0.0%	13.2	327
01-Jan-07	16	1.72	1.4	1.2	0.1%	12.0	321
01-Jan-07	18	1.75	0.0	0.5	0.0%	8.6	315
01-Jan-07	20	1.74	0.6	0.0	0.0%	8.1	305
01-Jan-07	22	1.71	1.2	0.0	0.0%	7.9	299
02-Jan-07	1	1.71	2.6	0.8	0.0%	4.5	303
02-Jan-07	3	1.64	2.0	0.0	0.0%	4.1	277
02-Jan-07	5	1.64	2.3	0.0	0.0%	3.3	260
02-Jan-07	7	1.74	2.5	0.0	0.0%	3.5	232
02-Jan-07	9	1.65	3.6	0.0	0.0%	6.3	239
02-Jan-07	11	1.72	4.1	0.0	0.0%	10.2	223
02-Jan-07	13	1.70	2.8	1.5	0.1%	12.8	234
02-Jan-07	15	1.73	3.5	0.9	0.1%	10.7	234
02-Jan-07	17	1.83	4.1	0.6	0.0%	8.1	219
02-Jan-07	19	1.83	5.9	0.0	0.0%	8.6	203
02-Jan-07	21	1.79	5.7	0.0	0.0%	9.7	211
02-Jan-07	23	1.80	5.8	0.8	0.0%	9.4	213
03-Jan-07	2	2.23	15.4	9.6	0.4%	12.0	218
03-Jan-07	4	1.99	12.6	8.9	0.4%	12.0	217
03-Jan-07	6	1.88	9.4	9.8	0.5%	12.3	223
03-Jan-07	8	1.79	7.3	7.7	0.4%	14.0	227
03-Jan-07	10	1.78	4.9	3.8	0.2%	15.7	234
03-Jan-07	12	1.77	5.8	2.7	0.2%	15.7	218
03-Jan-07	14	1.72	4.1	7.1	0.4%	17.0	217
03-Jan-07	16	1.81	3.7	3.4	0.2%	14.0	206
03-Jan-07	18	1.77	4.7	4.7	0.3%	15.4	201
03-Jan-07	20	1.78	7.2	2.4	0.1%	17.6	204
03-Jan-07	22	1.81	6.9	3.6	0.2%	18.9	215
04-Jan-07	0	1.84	6.9	3.7	0.2%	14.2	211
04-Jan-07	3	1.85	5.2	3.9	0.2%	12.7	203
04-Jan-07	5	1.80	5.5	6.0	0.3%	14.0	204
04-Jan-07	7	1.78	5.4	5.7	0.3%	14.9	206
04-Jan-07	9	1.79	4.9	5.0	0.3%	15.7	205
04-Jan-07	11	1.82	4.6	3.0	0.2%	18.4	212
04-Jan-07	13	1.86	3.4	2.2	0.1%	19.6	219
04-Jan-07	15	1.86	3.6	2.2	0.1%	17.6	209

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
04-Jan-07	17	1.81	0.0	0.0	0.0%	17.1	193
04-Jan-07	19	1.78	0.0	0.0	0.0%	15.7	210
04-Jan-07	21	1.76	0.0	0.0	0.0%	13.4	209
04-Jan-07	23	1.80	0.0	0.3	0.0%	13.3	227
05-Jan-07	1	1.85	0.0	0.7	0.0%	14.4	229
05-Jan-07	4	1.85	1.7	0.6	0.0%	9.6	210
05-Jan-07	6	1.82	2.1	1.1	0.1%	8.8	218
05-Jan-07	8	1.80	2.4	0.0	0.0%	6.0	201
05-Jan-07	10	1.81	3.3	1.5	0.1%	6.7	254
05-Jan-07	12	1.80	4.0	0.8	0.0%	7.6	291
05-Jan-07	14	1.81	4.6	1.5	0.1%	4.6	288
05-Jan-07	16	1.89	3.3	0.8	0.0%	2.2	80
05-Jan-07	18	1.84	3.7	0.2	0.0%	8.8	359
05-Jan-07	20	1.76	0.0	0.0	0.0%	1.8	237
05-Jan-07	22	1.78	2.9	0.0	0.0%	3.2	332
06-Jan-07	0	1.76	3.6	0.0	0.0%	9.1	340
06-Jan-07	2	1.73	3.2	0.0	0.0%	11.6	330
06-Jan-07	5	1.75	1.5	0.0	0.0%	9.0	305
06-Jan-07	7	1.75	1.6	0.8	0.0%	8.7	282
06-Jan-07	9	1.75	2.0	0.0	0.0%	8.4	265
06-Jan-07	11	1.77	3.0	0.0	0.0%	14.7	282
06-Jan-07	13	1.73	0.7	0.0	0.0%	12.8	269
06-Jan-07	15	1.77	2.2	0.3	0.0%	12.3	268
06-Jan-07	17	1.78	2.4	0.0	0.0%	6.7	246
06-Jan-07	19	1.77	2.8	0.0	0.0%	4.0	204
06-Jan-07	21	1.98	3.4	0.0	0.0%	5.5	257
06-Jan-07	23	1.79	3.7	0.0	0.0%	8.2	244
07-Jan-07	1	1.78	5.2	0.0	0.0%	3.4	206
07-Jan-07	3	2.08	4.3	0.0	0.0%	3.9	217
07-Jan-07	6	1.94	3.6	0.0	0.0%	4.1	189
07-Jan-07	8	2.06	2.7	0.0	0.0%	5.3	190
07-Jan-07	10	2.16	11.5	16.5	0.8%	9.4	178
07-Jan-07	12	2.25	10.1	23.7	1.1%	10.6	170
07-Jan-07	14	2.05	7.9	6.4	0.3%	11.1	159
07-Jan-07	16	1.99	7.4	11.0	0.6%	8.0	194
07-Jan-07	18	2.01	7.0	6.8	0.3%	6.6	187
07-Jan-07	20	1.88	8.9	5.2	0.3%	7.6	192
07-Jan-07	22	1.70	1.5	0.0	0.0%	11.3	274
08-Jan-07	0	1.64	0.0	0.0	0.0%	12.6	286

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
08-Jan-07	2	1.63	0.0	0.0	0.0%	14.9	280
08-Jan-07	4	1.61	0.0	0.0	0.0%	15.8	278
08-Jan-07	7	1.64	1.1	0.0	0.0%	15.5	270
08-Jan-07	9	1.68	1.0	0.0	0.0%	14.2	265
08-Jan-07	11	1.71	1.3	0.0	0.0%	14.7	257
08-Jan-07	13	1.67	3.5	0.0	0.0%	13.5	240
08-Jan-07	15	1.71	3.3	1.2	0.1%	13.3	241
08-Jan-07	17	1.67	3.3	0.0	0.0%	11.6	227
08-Jan-07	19	1.68	3.7	0.0	0.0%	10.0	242
08-Jan-07	21	1.69	3.4	0.0	0.0%	10.7	272
08-Jan-07	23	1.75	4.1	3.9	0.2%	9.8	295
09-Jan-07	1	1.63	3.8	0.0	0.0%	9.1	309
09-Jan-07	3	1.63	3.6	0.0	0.0%	8.5	305
09-Jan-07	5	1.60	3.8	0.0	0.0%	11.1	312
09-Jan-07	8	1.59	3.0	0.0	0.0%	15.1	311
09-Jan-07	10	1.65	2.2	0.0	0.0%	16.6	311
09-Jan-07	12	1.86	4.4	15.6	0.8%	16.9	309
09-Jan-07	14	1.87	4.8	11.4	0.6%	22.0	298
09-Jan-07	16	1.74	3.5	5.4	0.3%	17.4	311
09-Jan-07	18	1.64	3.0	0.0	0.0%	14.1	311
09-Jan-07	20	1.91	5.8	9.6	0.5%	15.1	303
09-Jan-07	22	2.06	5.7	24.4	1.2%	14.2	299
10-Jan-07	0	1.84	5.6	13.4	0.7%	10.6	300
10-Jan-07	2	1.74	4.4	3.8	0.2%	10.0	306
10-Jan-07	4	1.68	3.9	1.3	0.1%	6.8	282
10-Jan-07	6	1.63	3.5	0.0	0.0%	4.9	259
10-Jan-07	9	1.68	4.3	0.0	0.0%	6.2	231
10-Jan-07	11	1.82	8.0	5.7	0.3%	7.6	191
10-Jan-07	13	1.99	7.6	14.3	0.7%	10.1	174
10-Jan-07	15	1.99	11.6	14.9	0.7%	11.0	180
10-Jan-07	17	1.93	8.4	4.6	0.2%	12.6	175
10-Jan-07	19	1.88	6.4	6.2	0.3%	18.6	173
10-Jan-07	21	2.05	9.1	17.5	0.9%	14.8	187
10-Jan-07	23	1.83	7.1	15.5	0.8%	13.6	190
11-Jan-07	1	1.68	3.0	6.8	0.4%	18.8	203
11-Jan-07	3	1.66	2.5	5.8	0.4%	20.4	205
11-Jan-07	5	1.63	2.4	5.8	0.4%	19.9	205
11-Jan-07	7	1.62	2.0	6.5	0.4%	21.9	210
11-Jan-07	10	1.72	3.6	4.7	0.3%	19.5	212

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
11-Jan-07	12	1.75	4.0	2.6	0.1%	17.9	210
11-Jan-07	14	1.80	3.5	1.8	0.1%	18.0	209
11-Jan-07	19	1.76	4.3	3.0	0.2%	11.5	208
11-Jan-07	21	1.90	5.9	5.0	0.3%	4.5	165
11-Jan-07	23	1.75	2.0	1.8	0.1%	8.0	219
12-Jan-07	1	1.73	1.7	0.6	0.0%	9.7	231
12-Jan-07	3	1.76	3.0	1.9	0.1%	5.9	217
12-Jan-07	5	1.79	3.1	2.1	0.1%	3.9	220
12-Jan-07	7	1.80	2.1	1.9	0.1%	2.6	244
12-Jan-07	9	1.90	1.8	0.6	0.0%	4.8	311
12-Jan-07	12	1.92	6.6	0.7	0.0%	5.7	322
12-Jan-07	14	1.87	12.3	1.6	0.1%	9.0	357
12-Jan-07	16	1.97	11.3	6.9	0.3%	7.2	2
12-Jan-07	18	1.70	1.7	2.9	0.2%	11.7	2
12-Jan-07	20	1.62	0.0	0.0	0.0%	19.0	13
12-Jan-07	22	1.58	0.0	0.2	0.0%	20.2	14
13-Jan-07	0	1.62	0.0	0.0	0.0%	23.7	19
13-Jan-07	2	1.58	0.0	0.0	0.0%	22.9	19
13-Jan-07	4	1.58	0.0	0.0	0.0%	25.3	22
13-Jan-07	6	1.57	0.7	0.0	0.0%	23.3	17
13-Jan-07	8	1.64	1.7	3.5	0.2%	9.5	349
13-Jan-07	10	1.70	4.5	2.7	0.2%	8.6	350
13-Jan-07	13	1.76	4.1	2.5	0.1%	9.3	354
13-Jan-07	15	1.71	3.1	2.4	0.1%	8.7	340
13-Jan-07	17	1.68	3.8	1.9	0.1%	6.4	342
13-Jan-07	19	1.65	4.1	1.8	0.1%	6.2	338
13-Jan-07	21	1.66	3.5	1.2	0.1%	5.1	347
13-Jan-07	23	1.67	5.0	0.0	0.0%	4.5	327
14-Jan-07	1	1.66	5.5	0.5	0.0%	6.2	331
14-Jan-07	3	1.68	6.8	1.4	0.1%	5.9	348
14-Jan-07	5	1.68	3.9	1.5	0.1%	7.4	345
14-Jan-07	7	1.71	2.4	3.0	0.2%	7.3	347
14-Jan-07	9	1.64	3.0	3.8	0.2%	9.7	355
14-Jan-07	11	1.65	2.0	3.9	0.2%	16.1	10
14-Jan-07	14	1.57	0.8	0.8	0.1%	12.6	55
14-Jan-07	16	1.58	0.0	0.0	0.0%	15.0	34
14-Jan-07	18	1.59	0.0	0.0	0.0%	19.7	38
14-Jan-07	20	1.61	0.0	0.8	0.1%	16.2	56
14-Jan-07	22	1.51	3.5	1.4	0.1%	12.2	71

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
15-Jan-07	0	1.57	0.0	0.0	0.0%	10.5	69
15-Jan-07	2	1.54	0.7	0.6	0.0%	14.2	52
15-Jan-07	4	1.53	0.0	0.0	0.0%	21.1	33
15-Jan-07	6	1.56	0.0	0.8	0.1%	20.7	37
15-Jan-07	8	1.59	0.4	2.1	0.1%	16.4	34
15-Jan-07	10	1.65	0.6	1.2	0.1%	13.1	5
15-Jan-07	12	1.69	2.1	1.1	0.1%	11.8	336
15-Jan-07	15	1.80	1.8	3.5	0.2%	11.8	348
15-Jan-07	17	1.71	1.3	0.0	0.0%	12.6	344
15-Jan-07	19	1.66	1.3	0.8	0.0%	10.9	331
15-Jan-07	21	1.66	2.0	0.7	0.0%	11.0	321
15-Jan-07	23	1.63	1.8	0.5	0.0%	10.8	323
16-Jan-07	1	1.63	1.6	0.0	0.0%	10.6	323
16-Jan-07	3	1.64	2.1	0.9	0.1%	10.5	313
16-Jan-07	5	1.63	1.4	0.0	0.0%	10.2	314
16-Jan-07	7	1.62	1.5	0.0	0.0%	9.7	306
16-Jan-07	9	1.65	2.3	0.0	0.0%	11.3	313
16-Jan-07	11	1.69	4.3	1.9	0.1%	10.9	319
16-Jan-07	13	1.69	5.1	1.7	0.1%	10.0	321
16-Jan-07	16	1.67	4.6	3.1	0.2%	9.3	312
16-Jan-07	18	1.64	6.5	1.6	0.1%	6.3	289
16-Jan-07	20	1.64	7.0	2.4	0.1%	8.1	296
16-Jan-07	22	1.62	6.5	1.4	0.1%	2.9	272
17-Jan-07	0	1.66	5.9	1.2	0.1%	5.0	256
17-Jan-07	2	1.63	6.9	0.5	0.0%	8.3	263
17-Jan-07	4	1.65	7.2	0.6	0.0%	8.8	249
17-Jan-07	6	1.66	6.6	0.8	0.0%	8.0	247
17-Jan-07	8	1.68	8.9	1.8	0.1%	7.3	240
17-Jan-07	10	1.71	11.5	3.6	0.2%	9.9	240
17-Jan-07	12	1.70	9.9	3.2	0.2%	11.2	237
17-Jan-07	14	1.69	10.4	1.8	0.1%	9.8	226
17-Jan-07	17	1.77	8.3	2.5	0.1%	8.6	219
17-Jan-07	19	1.76	9.2	12.0	0.7%	8.9	193
17-Jan-07	21	1.87	10.5	10.6	0.6%	9.1	196
17-Jan-07	23	1.79	6.2	5.7	0.3%	7.1	206
18-Jan-07	1	1.75	4.3	2.6	0.2%	8.6	203
18-Jan-07	3	1.73	5.5	5.6	0.3%	11.7	204
18-Jan-07	5	1.74	5.4	6.4	0.4%	11.2	219
18-Jan-07	7	1.78	5.2	6.4	0.4%	10.2	210

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
18-Jan-07	9	1.77	7.5	6.9	0.4%	9.0	206
22-Jan-07	15	1.78	10.6	2.2	0.1%	11.4	277
22-Jan-07	17	1.86	9.2	2.7	0.1%	9.7	254
22-Jan-07	19	1.75	12.0	2.2	0.1%	11.1	261
22-Jan-07	22	1.71	4.6	1.8	0.1%	13.6	259
23-Jan-07	0	1.76	3.1	0.4	0.0%	14.2	259
23-Jan-07	2	1.73	1.9	0.5	0.0%	14.7	249
23-Jan-07	4	1.72	1.5	0.0	0.0%	16.2	241
23-Jan-07	6	1.74	5.0	1.2	0.1%	14.9	245
23-Jan-07	8	1.94	17.3	6.6	0.3%	16.3	251
23-Jan-07	10	1.83	5.4	2.3	0.1%	15.6	264
23-Jan-07	12	1.72	2.9	0.6	0.0%	13.5	280
23-Jan-07	14	2.09	5.8	19.0	0.9%	9.2	296
23-Jan-07	16	1.76	4.2	3.2	0.2%	6.9	296
23-Jan-07	18	1.72	4.1	0.7	0.0%	6.4	275
23-Jan-07	20	1.70	4.1	1.5	0.1%	4.3	277
23-Jan-07	23	1.70	3.3	1.8	0.1%	6.7	313
24-Jan-07	1	1.69	4.2	0.6	0.0%	7.7	314
24-Jan-07	3	1.68	4.1	1.0	0.1%	7.3	314
24-Jan-07	5	1.73	7.1	2.6	0.1%	9.7	309
24-Jan-07	7	1.69	5.2	0.3	0.0%	6.6	288
24-Jan-07	9	1.68	5.4	1.9	0.1%	7.7	286
24-Jan-07	11	1.71	4.3	2.0	0.1%	11.2	309
24-Jan-07	13	1.84	7.6	8.7	0.5%	8.8	304
24-Jan-07	15	1.64	7.6	1.3	0.1%	9.3	289
24-Jan-07	17	1.69	7.6	1.1	0.1%	10.1	285
24-Jan-07	19	1.71	6.4	0.8	0.0%	7.5	295
24-Jan-07	21	1.70	6.8	1.2	0.1%	9.0	301
25-Jan-07	0	1.65	4.8	1.4	0.1%	9.9	321
25-Jan-07	2	1.82	5.5	1.2	0.1%	10.5	311
25-Jan-07	4	1.73	4.3	1.9	0.1%	11.0	316
25-Jan-07	6	1.73	5.8	0.5	0.0%	9.9	315
25-Jan-07	8	1.79	10.2	2.2	0.1%	10.1	307
25-Jan-07	10	1.74	10.1	1.0	0.1%	10.8	324
25-Jan-07	12	1.69	6.7	1.6	0.1%	10.1	330
25-Jan-07	14	1.67	6.7	2.0	0.1%	9.6	321
25-Jan-07	16	1.75	13.3	2.3	0.1%	7.7	325
25-Jan-07	18	1.66	8.0	2.5	0.2%	3.9	287
25-Jan-07	20	1.68	5.9	0.8	0.0%	4.5	227

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
25-Jan-07	22	1.69	6.6	1.5	0.1%	5.3	218
26-Jan-07	1	1.65	7.0	1.3	0.1%	9.9	238
26-Jan-07	3	1.66	7.0	2.6	0.2%	11.8	229
26-Jan-07	5	1.70	10.8	2.9	0.2%	11.4	215
26-Jan-07	7	1.67	9.5	3.1	0.2%	11.2	206
26-Jan-07	9	1.74	11.9	4.9	0.3%	17.7	218
26-Jan-07	11	1.74	11.3	3.0	0.2%	20.9	223
26-Jan-07	13	1.73	11.2	2.5	0.1%	19.0	234
27-Jan-07	2	1.78	7.7	2.5	0.1%	9.7	321
27-Jan-07	4	1.75	5.3	1.2	0.1%	6.5	303
27-Jan-07	6	1.69	7.4	1.6	0.1%	6.2	277
27-Jan-07	8	1.69	6.5	1.7	0.1%	7.1	274
27-Jan-07	10	1.70	5.7	0.3	0.0%	9.8	271
27-Jan-07	12	1.65	5.1	1.6	0.1%	11.5	284
27-Jan-07	14	1.65	4.0	1.0	0.1%	13.1	286
27-Jan-07	16	1.64	5.1	0.4	0.0%	11.4	289
27-Jan-07	18	1.64	4.3	0.0	0.0%	10.9	272
27-Jan-07	20	1.64	2.4	0.0	0.0%	10.3	281
27-Jan-07	22	1.67	2.4	0.0	0.0%	11.8	280
28-Jan-07	0	1.61	1.3	0.0	0.0%	14.0	275
28-Jan-07	3	1.62	2.2	0.0	0.0%	14.1	300
28-Jan-07	5	1.71	3.6	3.0	0.2%	13.4	295
28-Jan-07	7	1.72	3.3	1.9	0.1%	14.5	296
28-Jan-07	9	1.59	0.5	1.1	0.1%	16.5	303
28-Jan-07	11	1.61	2.8	2.2	0.1%	16.8	317
28-Jan-07	13	1.67	2.4	2.4	0.1%	17.9	335
28-Jan-07	15	1.64	3.7	1.3	0.1%	16.0	330
28-Jan-07	17	1.63	3.0	1.7	0.1%	12.4	323
28-Jan-07	19	1.67	2.6	2.6	0.2%	7.2	299
28-Jan-07	21	1.65	5.2	2.4	0.1%	7.6	278
28-Jan-07	23	1.63	5.2	2.1	0.1%	8.6	262
29-Jan-07	1	1.63	5.7	0.8	0.0%	7.8	255
29-Jan-07	4	1.61	4.1	2.2	0.1%	8.5	242
29-Jan-07	6	1.68	5.7	1.9	0.1%	10.4	235
29-Jan-07	8	1.69	7.9	3.6	0.2%	10.3	216
29-Jan-07	10	1.72	11.4	5.7	0.3%	10.1	204
29-Jan-07	12	1.67	6.9	2.6	0.2%	12.6	224
29-Jan-07	14	1.67	5.5	0.0	0.0%	13.2	254
29-Jan-07	16	1.62	5.0	2.1	0.1%	13.7	272

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
29-Jan-07	18	1.60	4.8	1.3	0.1%	7.0	249
29-Jan-07	20	1.59	5.3	1.3	0.1%	4.1	214
29-Jan-07	22	1.62	4.6	0.8	0.0%	7.0	223
30-Jan-07	0	1.66	2.0	0.5	0.0%	9.1	248
30-Jan-07	2	1.55	1.9	0.0	0.0%	11.3	277
30-Jan-07	5	1.67	6.5	0.8	0.1%	14.8	308
30-Jan-07	7	1.99	9.7	6.0	0.3%	15.0	298
30-Jan-07	9	1.67	4.4	2.1	0.1%	15.1	282
30-Jan-07	11	1.70	5.9	1.1	0.1%	17.6	287
30-Jan-07	13	1.81	7.5	0.6	0.0%	17.1	294
30-Jan-07	15	1.90	8.1	3.5	0.2%	15.9	294
30-Jan-07	17	1.69	5.1	2.3	0.1%	12.3	297
30-Jan-07	19	1.66	4.6	0.0	0.0%	12.4	287
30-Jan-07	21	1.65	7.7	0.8	0.0%	13.2	273
30-Jan-07	23	1.63	5.6	0.0	0.0%	11.9	271
31-Jan-07	1	2.07	4.1	1.3	0.1%	10.3	266
31-Jan-07	3	1.63	2.9	0.0	0.0%	9.8	254
31-Jan-07	6	1.65	2.7	0.7	0.0%	8.0	243
31-Jan-07	8	1.61	2.9	1.0	0.1%	10.2	235
31-Jan-07	10	1.61	2.9	1.3	0.1%	10.2	238
31-Jan-07	12	1.67	3.5	1.5	0.1%	10.9	238
31-Jan-07	14	1.65	4.0	2.7	0.2%	12.4	225
31-Jan-07	16	1.71	5.0	2.4	0.1%	12.4	232
31-Jan-07	18	1.69	9.2	2.8	0.2%	10.3	207
31-Jan-07	20	1.62	6.9	1.9	0.1%	12.2	211
31-Jan-07	22	1.69	8.4	2.8	0.2%	14.8	224
01-Feb-07	0	1.70	8.4	2.6	0.2%	11.6	223
01-Feb-07	2	1.64	6.1	2.5	0.2%	11.1	229
01-Feb-07	4	1.62	4.1	2.2	0.1%	10.1	232
01-Feb-07	7	1.70	0.0	3.1	0.2%	9.9	243
01-Feb-07	9	1.68	0.0	1.9	0.1%	10.1	234
01-Feb-07	11	1.69	0.0	1.3	0.1%	12.3	241
01-Feb-07	13	1.70	0.0	0.6	0.0%	14.5	259
01-Feb-07	15	1.65	0.0	0.0	0.0%	13.9	264
01-Feb-07	17	1.66	0.0	0.6	0.0%	10.8	246
01-Feb-07	19	1.63	0.0	0.0	0.0%	5.8	252
01-Feb-07	21	1.66	0.0	0.6	0.0%	5.5	229
01-Feb-07	23	1.68	0.0	0.0	0.0%	6.2	249
02-Feb-07	1	1.66	0.0	0.3	0.0%	5.8	251

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
02-Feb-07	3	1.66	0.0	1.1	0.1%	8.6	261
02-Feb-07	5	1.67	0.0	0.0	0.0%	8.8	260
02-Feb-07	8	1.64	4.6	0.9	0.1%	9.1	279
02-Feb-07	10	1.67	4.5	0.9	0.1%	14.8	285
02-Feb-07	12	1.63	3.6	1.7	0.1%	18.3	282
02-Feb-07	14	1.63	3.4	2.4	0.1%	18.4	265
02-Feb-07	16	1.67	3.5	1.8	0.1%	16.8	257
02-Feb-07	18	1.63	3.0	0.9	0.1%	16.1	246
02-Feb-07	20	1.65	2.6	0.9	0.1%	16.3	249
02-Feb-07	22	1.66	3.9	1.9	0.1%	12.3	244
03-Feb-07	0	1.65	3.5	1.9	0.1%	10.3	219
03-Feb-07	2	1.63	3.1	1.1	0.1%	9.8	214
03-Feb-07	4	1.65	4.3	2.9	0.2%	10.7	219
03-Feb-07	6	1.63	4.1	2.3	0.1%	13.2	228
03-Feb-07	9	1.62	4.2	1.5	0.1%	19.3	285
03-Feb-07	11	1.63	3.8	2.0	0.1%	20.2	274
03-Feb-07	13	1.59	4.5	2.0	0.1%	20.5	269
03-Feb-07	15	1.56	6.4	2.7	0.2%	20.1	268
03-Feb-07	17	1.55	7.1	2.1	0.1%	17.9	277
03-Feb-07	19	1.57	7.5	2.5	0.2%	14.7	271
03-Feb-07	21	1.52	11.4	1.5	0.1%	12.2	273
03-Feb-07	23	1.54	8.9	2.0	0.1%	12.3	272
04-Feb-07	1	1.56	9.6	1.4	0.1%	10.2	265
04-Feb-07	3	1.57	8.1	1.4	0.1%	8.8	260
04-Feb-07	5	1.59	6.2	2.1	0.1%	9.2	262
04-Feb-07	7	1.60	6.2	1.5	0.1%	9.7	259
04-Feb-07	10	1.67	9.9	3.6	0.2%	15.9	298
04-Feb-07	12	1.52	12.5	1.7	0.1%	15.1	291
04-Feb-07	14	1.51	11.3	2.7	0.2%	15.3	283
04-Feb-07	16	1.52	13.0	3.1	0.2%	16.2	287
04-Feb-07	18	1.53	14.4	3.1	0.2%	9.9	286
04-Feb-07	20	1.60	12.4	2.4	0.2%	8.7	292
04-Feb-07	22	1.53	13.9	3.4	0.2%	10.4	311
05-Feb-07	0	1.49	17.5	2.5	0.2%	10.9	310
05-Feb-07	2	1.56	18.0	3.3	0.2%	10.9	294
05-Feb-07	4	1.63	19.8	4.0	0.2%	11.1	294
05-Feb-07	6	1.58	20.4	3.2	0.2%	9.8	290
05-Feb-07	8	1.52	18.8	2.6	0.2%	13.7	283
05-Feb-07	11	1.49	15.8	3.2	0.2%	16.3	287

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
05-Feb-07	13	1.47	16.2	2.5	0.2%	12.5	285
05-Feb-07	15	1.50	12.5	2.4	0.2%	12.9	280
05-Feb-07	17	1.55	13.5	3.2	0.2%	12.4	269
05-Feb-07	19	1.52	12.4	3.0	0.2%	6.7	268
05-Feb-07	21	1.52	11.0	1.7	0.1%	8.6	262
05-Feb-07	23	1.54	10.1	2.1	0.1%	9.4	271
06-Feb-07	1	1.56	10.9	2.1	0.1%	8.8	285
06-Feb-07	3	1.56	11.5	2.1	0.1%	6.5	272
06-Feb-07	5	1.55	12.3	2.1	0.1%	6.0	302
06-Feb-07	7	1.55	11.4	2.0	0.1%	5.5	290
06-Feb-07	9	1.53	11.8	1.7	0.1%	5.7	260
06-Feb-07	12	1.60	11.6	4.4	0.3%	4.1	262
06-Feb-07	14	1.71	21.4	11.6	0.7%	4.0	355
06-Feb-07	16	1.69	4.3	3.1	0.2%	6.9	16
06-Feb-07	18	1.64	13.1	5.9	0.4%	6.8	315
06-Feb-07	20	1.67	6.9	2.6	0.2%	8.8	312
06-Feb-07	22	1.63	6.2	2.7	0.2%	10.2	302
07-Feb-07	0	1.63	8.9	2.1	0.1%	8.5	311
07-Feb-07	2	1.72	8.1	2.0	0.1%	11.0	303
07-Feb-07	4	1.60	8.0	1.5	0.1%	9.9	301
07-Feb-07	6	1.62	8.3	3.0	0.2%	9.8	298
07-Feb-07	8	1.72	9.4	3.5	0.2%	14.4	286
07-Feb-07	10	1.94	12.1	3.6	0.2%	15.5	290
07-Feb-07	13	1.64	7.1	4.2	0.3%	13.5	281
07-Feb-07	15	1.59	9.4	2.5	0.2%	14.9	270
07-Feb-07	17	1.58	13.1	2.6	0.2%	13.4	265
07-Feb-07	19	1.64	11.4	1.6	0.1%	12.9	260
07-Feb-07	21	1.65	8.6	2.0	0.1%	12.2	272
07-Feb-07	23	1.61	6.2	2.7	0.2%	11.7	276
08-Feb-07	1	1.77	6.3	1.5	0.1%	15.1	292
08-Feb-07	3	1.66	5.5	1.5	0.1%	8.7	285
08-Feb-07	5	1.65	6.7	1.9	0.1%	14.0	298
08-Feb-07	7	1.68	7.4	2.4	0.1%	13.8	289
08-Feb-07	9	1.78	9.5	2.9	0.2%	13.8	285
08-Feb-07	11	1.62	11.6	1.8	0.1%	14.5	272
08-Feb-07	14	1.64	12.6	2.6	0.2%	15.7	277
08-Feb-07	16	1.59	12.3	2.4	0.1%	15.0	273
08-Feb-07	18	1.61	11.4	1.9	0.1%	15.0	268
08-Feb-07	20	1.60	7.5	1.6	0.1%	16.2	272

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
08-Feb-07	22	1.66	6.4	2.8	0.2%	16.1	291
09-Feb-07	0	1.62	5.6	1.8	0.1%	16.9	305
09-Feb-07	2	1.71	6.2	1.4	0.1%	13.3	307
09-Feb-07	4	1.76	6.6	1.5	0.1%	12.8	306
09-Feb-07	6	2.74	69.8	3.2	0.1%	10.2	304
09-Feb-07	8	1.68	6.8	1.3	0.1%	11.1	302
09-Feb-07	10	1.69	8.3	1.2	0.1%	11.0	292
09-Feb-07	12	1.91	10.0	2.9	0.2%	9.0	292
09-Feb-07	15	1.65	9.6	2.8	0.2%	12.3	294
09-Feb-07	17	1.62	12.1	2.3	0.1%	10.0	268
09-Feb-07	19	1.61	10.4	1.8	0.1%	8.0	255
09-Feb-07	21	1.62	9.9	1.2	0.1%	10.2	264
09-Feb-07	23	1.65	9.6	1.2	0.1%	9.1	283
10-Feb-07	1	1.71	9.8	1.7	0.1%	10.9	294
10-Feb-07	3	1.74	10.3	2.9	0.2%	12.3	291
10-Feb-07	5	1.71	8.5	1.7	0.1%	11.6	297
10-Feb-07	7	1.78	8.3	2.3	0.1%	13.2	285
10-Feb-07	9	1.67	7.9	2.4	0.1%	14.0	305
10-Feb-07	11	1.90	10.8	2.1	0.1%	9.9	289
10-Feb-07	13	1.71	11.5	2.6	0.2%	10.9	281
10-Feb-07	16	1.61	13.7	2.1	0.1%	11.9	261
10-Feb-07	18	1.64	15.3	0.0	0.0%	9.5	243
10-Feb-07	20	1.66	9.3	1.1	0.1%	9.7	252
10-Feb-07	22	1.65	7.8	0.0	0.0%	12.4	259
11-Feb-07	0	1.62	6.5	1.4	0.1%	8.6	253
11-Feb-07	2	1.63	5.8	1.6	0.1%	11.0	267
11-Feb-07	4	1.63	4.5	1.9	0.1%	9.9	268
11-Feb-07	6	1.64	3.9	2.2	0.1%	8.9	241
11-Feb-07	8	1.67	3.9	1.2	0.1%	9.1	249
11-Feb-07	10	1.77	7.2	2.6	0.1%	11.3	239
11-Feb-07	12	1.87	11.3	2.9	0.2%	12.1	244
11-Feb-07	14	1.73	8.4	1.5	0.1%	10.8	236
11-Feb-07	17	1.77	9.6	3.4	0.2%	7.9	243
11-Feb-07	19	1.84	11.7	4.4	0.2%	2.5	255
11-Feb-07	21	1.81	11.1	3.5	0.2%	2.3	245
11-Feb-07	23	1.82	11.1	3.6	0.2%	1.8	283
12-Feb-07	1	1.85	10.8	3.4	0.2%	2.1	250
12-Feb-07	3	3.23	12.2	2.3	0.1%	1.7	131
12-Feb-07	5	1.93	10.2	3.1	0.2%	9.6	16

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
12-Feb-07	7	1.94	5.9	2.6	0.1%	12.5	32
12-Feb-07	9	1.88	7.2	5.1	0.3%	15.8	35
12-Feb-07	11	1.83	5.0	2.6	0.1%	16.3	36
12-Feb-07	13	1.82	5.7	2.0	0.1%	15.1	44
12-Feb-07	15	1.73	6.8	1.7	0.1%	19.9	45
12-Feb-07	18	1.65	5.4	4.2	0.3%	19.4	44
12-Feb-07	20	1.65	4.0	4.3	0.3%	21.3	39
12-Feb-07	22	1.65	8.8	2.7	0.2%	13.9	58
13-Feb-07	0	1.64	6.6	2.2	0.1%	18.7	56
13-Feb-07	2	1.61	3.8	0.8	0.1%	20.4	57
13-Feb-07	4	1.62	3.7	1.0	0.1%	19.5	61
13-Feb-07	6	1.60	2.6	0.0	0.0%	20.2	63
13-Feb-07	8	1.61	3.4	4.4	0.3%	20.9	61
13-Feb-07	10	1.64	2.8	1.7	0.1%	22.3	56
13-Feb-07	12	1.65	3.2	2.1	0.1%	25.3	50
13-Feb-07	14	1.66	2.0	0.8	0.0%	26.9	45
13-Feb-07	16	1.62	3.5	1.3	0.1%	29.0	35
13-Feb-07	19	1.63	3.4	1.6	0.1%	29.6	34
13-Feb-07	21	1.62	3.1	2.5	0.2%	28.1	25
13-Feb-07	23	1.62	4.5	1.5	0.1%	10.6	353
14-Feb-07	1	1.60	2.8	2.4	0.1%	27.5	24
14-Feb-07	3	1.64	5.1	2.0	0.1%	12.1	334
14-Feb-07	5	1.61	5.9	2.2	0.1%	12.1	337
14-Feb-07	7	1.62	8.6	2.4	0.1%	11.3	337
14-Feb-07	9	1.62	12.2	4.5	0.3%	11.4	332
14-Feb-07	11	1.62	8.4	1.9	0.1%	13.8	333
14-Feb-07	13	1.61	6.5	2.4	0.1%	14.0	332
14-Feb-07	15	1.57	7.2	1.7	0.1%	11.8	332
14-Feb-07	17	1.58	7.1	1.2	0.1%	9.7	318
14-Feb-07	20	1.61	6.9	1.8	0.1%	6.2	291
14-Feb-07	22	1.61	10.6	1.0	0.1%	7.1	295
15-Feb-07	0	1.71	24.5	0.6	0.0%	11.0	308
15-Feb-07	2	1.64	8.5	0.8	0.1%	11.1	314
15-Feb-07	4	1.78	10.4	1.2	0.1%	10.9	312
15-Feb-07	6	1.66	5.2	1.6	0.1%	11.1	306
15-Feb-07	8	1.66	7.4	1.6	0.1%	10.5	305
15-Feb-07	10	1.65	6.4	1.9	0.1%	10.6	309
15-Feb-07	12	1.74	6.6	2.5	0.1%	13.4	304
15-Feb-07	14	1.62	5.7	3.0	0.2%	13.7	285

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
15-Feb-07	16	1.64	7.3	2.4	0.1%	13.7	279
15-Feb-07	18	1.60	9.7	2.0	0.1%	12.5	272
15-Feb-07	21	1.65	11.3	0.6	0.0%	14.2	272
15-Feb-07	23	1.63	12.4	0.7	0.0%	12.3	271
16-Feb-07	1	1.65	11.5	0.6	0.0%	11.5	271
16-Feb-07	3	1.69	10.1	0.0	0.0%	12.4	266
16-Feb-07	5	1.64	8.7	1.0	0.1%	12.5	263
16-Feb-07	7	1.66	8.7	1.4	0.1%	13.5	257
16-Feb-07	9	1.64	7.4	1.4	0.1%	14.4	259
16-Feb-07	11	1.73	12.2	3.2	0.2%	14.6	245
16-Feb-07	13	1.78	13.3	4.2	0.2%	16.5	223
16-Feb-07	15	1.69	10.8	2.6	0.2%	16.7	205
16-Feb-07	17	1.67	9.8	2.7	0.2%	18.1	210
16-Feb-07	19	1.67	12.8	2.6	0.2%	13.9	216
16-Feb-07	22	1.72	0.0	4.1	0.2%	11.6	214
17-Feb-07	0	1.70	0.0	3.3	0.2%	6.7	218
17-Feb-07	2	1.70	0.0	3.6	0.2%	1.9	279
17-Feb-07	4	1.71	0.0	3.1	0.2%	3.6	314
17-Feb-07	6	1.87	0.0	11.4	0.6%	7.5	323
17-Feb-07	8	1.69	0.0	3.2	0.2%	9.1	328
17-Feb-07	10	1.62	0.0	2.0	0.1%	10.3	329
17-Feb-07	12	1.61	0.0	2.9	0.2%	12.8	356
17-Feb-07	14	1.59	0.0	1.2	0.1%	13.1	327
17-Feb-07	16	1.59	0.0	2.4	0.2%	13.6	322
17-Feb-07	18	1.63	0.0	1.9	0.1%	9.1	307
17-Feb-07	20	1.63	0.0	0.5	0.0%	8.3	288
17-Feb-07	23	1.64	3.9	1.5	0.1%	9.7	306
18-Feb-07	1	1.65	4.2	2.0	0.1%	10.3	294
18-Feb-07	3	1.62	4.7	0.4	0.0%	8.3	289
18-Feb-07	5	1.63	5.8	0.3	0.0%	9.2	296
18-Feb-07	7	1.65	4.2	0.6	0.0%	11.0	306
18-Feb-07	9	1.68	4.2	1.5	0.1%	13.5	317
18-Feb-07	11	1.75	11.0	2.3	0.1%	12.1	316
18-Feb-07	13	1.76	8.3	4.1	0.2%	11.9	307
18-Feb-07	15	1.96	13.4	4.4	0.2%	8.1	296
18-Feb-07	17	1.58	12.8	4.9	0.3%	4.9	290
18-Feb-07	19	1.61	10.1	2.7	0.2%	4.4	243
18-Feb-07	21	1.67	11.9	1.5	0.1%	3.8	194
19-Feb-07	0	1.67	10.7	2.3	0.1%	6.4	178

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
19-Feb-07	2	2.18	13.0	19.5	0.9%	10.7	186
19-Feb-07	4	1.85	16.2	12.4	0.7%	10.7	181
19-Feb-07	6	2.07	12.1	38.8	1.9%	14.0	184
19-Feb-07	8	2.00	14.7	12.4	0.6%	12.2	186
19-Feb-07	10	1.84	13.1	6.6	0.4%	14.2	201
19-Feb-07	12	1.71	9.8	6.0	0.3%	16.5	219
19-Feb-07	14	1.72	9.2	11.9	0.7%	20.1	224
19-Feb-07	16	1.75	8.0	15.5	0.9%	19.1	225
19-Feb-07	18	1.78	7.2	12.1	0.7%	14.9	223
19-Feb-07	20	1.83	7.5	8.4	0.5%	13.4	240
19-Feb-07	22	1.85	7.6	5.8	0.3%	14.2	255
20-Feb-07	1	1.84	6.7	5.0	0.3%	6.7	269
20-Feb-07	3	1.79	6.4	4.3	0.2%	2.5	268
20-Feb-07	5	1.81	7.1	2.4	0.1%	3.8	284
20-Feb-07	7	3.25	5.8	2.1	0.1%	3.7	258
20-Feb-07	9	1.89	6.9	2.7	0.1%	5.1	278
20-Feb-07	13	2.62	14.6	2.6	0.1%	5.4	330
20-Feb-07	23	2.30	21.5	3.3	0.1%	2.3	217
21-Feb-07	2	2.21	15.3	3.3	0.1%	5.8	261
21-Feb-07	4	2.07	14.6	0.0	0.0%	2.2	214
21-Feb-07	6	1.99	12.2	0.8	0.0%	4.0	249
21-Feb-07	8	1.94	11.4	0.9	0.0%	7.8	246
21-Feb-07	10	2.13	9.8	2.3	0.1%	10.8	240
21-Feb-07	12	2.32	8.5	2.2	0.1%	13.6	222
21-Feb-07	14	2.03	6.0	2.5	0.1%	15.6	235
21-Feb-07	16	2.03	9.0	2.6	0.1%	13.1	223
21-Feb-07	18	2.04	8.6	2.8	0.1%	9.9	211
21-Feb-07	20	2.19	12.4	3.0	0.1%	12.4	219
21-Feb-07	22	2.11	11.9	3.5	0.2%	16.2	231
22-Feb-07	0	2.02	8.0	2.4	0.1%	15.4	265
22-Feb-07	3	1.71	3.6	2.7	0.2%	18.9	279
22-Feb-07	5	1.75	1.5	0.0	0.0%	24.8	302
22-Feb-07	7	1.74	1.2	1.2	0.1%	17.9	311
22-Feb-07	9	1.77	0.6	0.5	0.0%	19.9	314
22-Feb-07	11	1.73	1.0	0.5	0.0%	22.2	320
22-Feb-07	13	1.78	1.5	3.3	0.2%	19.4	315
22-Feb-07	15	1.78	2.1	2.9	0.2%	16.3	318
22-Feb-07	17	1.75	3.1	1.5	0.1%	11.9	323
22-Feb-07	19	1.76	3.2	0.8	0.0%	5.1	319

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
22-Feb-07	21	1.88	3.3	2.2	0.1%	7.3	293
22-Feb-07	23	1.78	2.9	0.7	0.0%	7.3	342
23-Feb-07	1	1.64	0.0	1.8	0.1%	16.9	18
23-Feb-07	4	1.68	0.0	1.6	0.1%	13.0	34
23-Feb-07	6	1.67	0.0	1.4	0.1%	12.0	38
23-Feb-07	8	1.68	0.0	3.2	0.2%	11.5	52
23-Feb-07	10	1.72	0.6	2.0	0.1%	8.9	47
23-Feb-07	12	1.70	0.0	3.3	0.2%	9.8	38
23-Feb-07	14	1.71	0.9	2.6	0.2%	9.5	60
23-Feb-07	16	1.71	0.0	2.6	0.1%	9.8	75
23-Feb-07	18	1.66	0.9	2.0	0.1%	9.3	61
23-Feb-07	20	1.66	5.0	3.3	0.2%	11.6	109
23-Feb-07	22	1.68	4.9	0.9	0.1%	12.3	124
24-Feb-07	0	1.69	5.0	2.5	0.1%	11.0	101
24-Feb-07	2	1.70	4.8	2.2	0.1%	12.8	102
24-Feb-07	5	1.68	4.0	2.9	0.2%	12.8	106
24-Feb-07	7	1.67	6.2	4.9	0.3%	15.9	109
24-Feb-07	9	1.76	7.8	4.8	0.3%	20.1	117
24-Feb-07	11	1.70	6.7	1.9	0.1%	19.1	118
24-Feb-07	13	1.76	19.7	5.4	0.3%	13.1	107
24-Feb-07	15	1.71	9.1	3.0	0.2%	13.0	103
24-Feb-07	17	1.65	6.9	2.6	0.2%	13.8	104
24-Feb-07	19	1.65	4.2	2.4	0.1%	14.2	102
24-Feb-07	21	1.54	14.7	30.2	2.0%	19.9	110
24-Feb-07	23	1.60	12.9	17.7	1.1%	12.6	112
25-Feb-07	1	1.68	6.0	3.8	0.2%	0.6	114
25-Feb-07	3	1.69	5.8	2.9	0.2%	0.6	121
25-Feb-07	6	1.83	5.0	3.7	0.2%	18.9	131
25-Feb-07	8	1.87	6.6	5.4	0.3%	16.0	128
25-Feb-07	10	1.94	7.4	4.6	0.2%	9.5	102
25-Feb-07	12	1.90	6.5	2.5	0.1%	11.0	102
25-Feb-07	14	1.96	7.3	1.8	0.1%	11.1	140
25-Feb-07	16	2.05	2.9	1.4	0.1%	13.3	204
25-Feb-07	18	1.98	1.5	1.6	0.1%	7.6	189
25-Feb-07	20	1.73	2.1	1.9	0.1%	0.6	202
25-Feb-07	22	1.81	2.1	1.7	0.1%	0.6	176
26-Feb-07	0	1.80	3.7	5.3	0.3%	0.6	175
26-Feb-07	2	1.85	2.4	0.0	0.0%	0.6	225
26-Feb-07	4	1.89	3.0	1.3	0.1%	8.2	260

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
26-Feb-07	7	1.82	2.2	2.5	0.1%	7.6	256
26-Feb-07	9	1.84	2.4	1.1	0.1%	7.1	252
26-Feb-07	11	1.81	3.3	1.1	0.1%	10.1	259
26-Feb-07	13	1.83	3.4	0.8	0.0%	11.1	239
26-Feb-07	15	1.94	2.5	0.4	0.0%	11.5	235
26-Feb-07	17	1.97	3.8	0.0	0.0%	9.4	232
26-Feb-07	19	1.94	3.9	0.0	0.0%	8.6	238
26-Feb-07	21	1.77	4.4	0.0	0.0%	10.0	246
26-Feb-07	23	1.76	5.6	0.5	0.0%	10.8	252
27-Feb-07	1	1.75	5.3	0.0	0.0%	8.2	257
27-Feb-07	3	1.78	4.9	0.0	0.0%	8.9	258
27-Feb-07	5	1.74	3.3	0.0	0.0%	8.5	270
27-Feb-07	8	1.80	3.8	0.4	0.0%	8.8	274
27-Feb-07	10	1.78	4.9	0.7	0.0%	10.9	291
27-Feb-07	12	1.77	5.5	1.3	0.1%	8.5	291
27-Feb-07	14	1.76	6.0	0.9	0.0%	8.7	258
27-Feb-07	16	1.77	7.7	1.6	0.1%	7.1	275
27-Feb-07	18	1.77	7.7	1.5	0.1%	4.6	255
27-Feb-07	20	1.80	7.7	1.3	0.1%	3.9	254
27-Feb-07	22	1.78	7.6	0.0	0.0%	4.2	250
28-Feb-07	0	1.76	6.5	0.6	0.0%	2.4	195
28-Feb-07	2	1.79	6.9	0.9	0.1%	3.2	195
28-Feb-07	4	1.79	6.2	1.4	0.1%	1.7	127
28-Feb-07	6	1.82	6.2	0.0	0.0%	2.0	182
28-Feb-07	9	1.94	3.9	9.2	0.5%	11.6	151
28-Feb-07	11	1.68	2.8	2.6	0.2%	12.8	148
28-Feb-07	15	1.76	8.0	1.4	0.1%	12.0	117
28-Feb-07	17	1.83	8.9	1.0	0.1%	10.6	102
28-Feb-07	19	1.87	7.6	1.3	0.1%	11.4	99
28-Feb-07	21	1.74	8.3	1.5	0.1%	10.0	103
28-Feb-07	23	1.74	10.7	4.7	0.3%	17.8	89
01-Mar-07	1	1.74	8.5	3.7	0.2%	11.2	95
01-Mar-07	3	1.72	10.3	6.7	0.4%	15.1	90
01-Mar-07	5	1.86	12.1	6.3	0.3%	13.5	93
01-Mar-07	7	1.99	13.5	9.4	0.5%	16.9	88
01-Mar-07	10	2.08	8.8	8.8	0.4%	13.4	114
01-Mar-07	12	2.16	12.8	2.7	0.1%	15.0	114
01-Mar-07	14	2.71	9.5	1.5	0.1%	15.6	112
01-Mar-07	16	2.07	5.3	1.3	0.1%	17.4	133

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
01-Mar-07	18	2.01	5.8	1.5	0.1%	9.5	169
01-Mar-07	20	1.98	1.2	2.0	0.1%	18.6	232
01-Mar-07	22	1.91	1.5	0.0	0.0%	17.3	209
02-Mar-07	0	1.88	0.9	0.5	0.0%	17.6	205
02-Mar-07	2	1.83	0.7	0.0	0.0%	18.2	208
02-Mar-07	4	1.78	0.0	0.0	0.0%	21.9	215
02-Mar-07	6	1.79	0.0	0.9	0.0%	23.1	230
02-Mar-07	8	1.78	0.0	0.5	0.0%	23.6	235
02-Mar-07	11	1.93	0.0	0.0	0.0%	23.1	236
02-Mar-07	13	1.84	0.0	0.4	0.0%	22.3	237
02-Mar-07	15	1.80	0.0	0.0	0.0%	22.8	243
02-Mar-07	17	1.75	0.0	0.0	0.0%	22.2	242
02-Mar-07	19	1.66	0.0	0.0	0.0%	23.9	250
02-Mar-07	21	1.69	0.0	0.0	0.0%	23.1	256
02-Mar-07	23	1.70	0.0	0.0	0.0%	21.1	259
03-Mar-07	1	1.69	0.0	0.0	0.0%	16.3	255
03-Mar-07	3	1.71	0.0	0.0	0.0%	15.6	255
03-Mar-07	5	1.68	0.0	0.0	0.0%	14.2	264
03-Mar-07	7	1.70	0.0	0.0	0.0%	11.3	271
03-Mar-07	9	1.71	1.0	0.0	0.0%	12.0	313
03-Mar-07	12	1.64	1.4	0.8	0.1%	14.7	313
03-Mar-07	14	1.64	2.3	3.0	0.2%	15.0	302
03-Mar-07	16	1.64	2.4	2.9	0.2%	14.2	305
03-Mar-07	18	1.59	2.8	2.7	0.2%	11.5	299
03-Mar-07	20	1.62	2.0	1.3	0.1%	11.2	302
03-Mar-07	22	1.64	1.1	1.3	0.1%	11.4	290
04-Mar-07	0	1.72	3.9	0.8	0.0%	11.3	315
04-Mar-07	2	1.62	3.1	1.1	0.1%	11.1	311
04-Mar-07	4	1.63	5.7	0.0	0.0%	10.9	274
04-Mar-07	6	1.63	5.3	1.5	0.1%	9.9	272
04-Mar-07	8	1.68	6.2	0.0	0.0%	10.9	262
04-Mar-07	10	1.70	6.4	0.0	0.0%	12.3	251
04-Mar-07	13	1.69	6.0	2.7	0.2%	17.3	257
04-Mar-07	15	1.69	3.9	3.8	0.2%	16.0	264
04-Mar-07	17	1.74	5.1	1.3	0.1%	15.9	253
04-Mar-07	19	1.76	3.4	0.0	0.0%	20.0	264
04-Mar-07	21	1.78	3.4	0.0	0.0%	19.5	267
04-Mar-07	23	1.74	0.0	0.0	0.0%	19.2	273
05-Mar-07	1	1.68	0.0	0.0	0.0%	17.3	276

Appendix A: Hourly Average Mercury Values, December 2006 – March 2007, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
05-Mar-07	3	1.66	0.0	0.0	0.0%	14.4	286
05-Mar-07	5	1.73	1.9	0.4	0.0%	11.8	297
05-Mar-07	7	1.75	1.7	0.0	0.0%	9.6	285
05-Mar-07	9	1.74	2.2	1.5	0.1%	15.4	353

Appendix B: Hourly Average Mercury Values, April 6 - June 8, 2010

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
06-Apr-10	22	1.97	3.3	0.0	0.0%	11.1	14
07-Apr-10	1	1.90	3.9	3.8	0.2%	13.9	16
07-Apr-10	4	1.96	2.9	1.4	0.1%	9.5	13
07-Apr-10	7	1.91	1.9	0.9	0.0%	5.8	13
07-Apr-10	10	1.90	2.1	0.0	0.0%	13.9	17
07-Apr-10	13	1.78	3.4	1.1	0.1%	15.6	22
07-Apr-10	16	1.66	4.1	0.0	0.0%	21.8	18
07-Apr-10	19	1.65	4.9	0.1	0.0%	25.0	17
07-Apr-10	22	1.60	4.9	0.0	0.0%	28.8	18
08-Apr-10	1	1.66	4.8	2.2	0.1%	16.6	179
08-Apr-10	4	1.66	1.5	0.1	0.0%	11.2	333
08-Apr-10	7	1.67	2.9	0.1	0.0%	14.8	324
08-Apr-10	10	1.59	3.0	0.0	0.0%	13.7	330
08-Apr-10	13	1.65	3.9	0.0	0.0%	12.0	336
08-Apr-10	16	1.63	6.1	0.0	0.0%	11.5	330
08-Apr-10	19	1.67	4.4	3.5	0.2%	7.1	318
08-Apr-10	22	1.59	4.4	0.9	0.1%	7.9	317
09-Apr-10	1	1.60	3.0	0.0	0.0%	5.1	294
09-Apr-10	4	1.63	2.3	0.0	0.0%	5.3	315
09-Apr-10	7	1.63	0.7	0.0	0.0%	7.0	318
09-Apr-10	10	1.76	4.6	9.0	0.5%	9.1	324
09-Apr-10	13	1.69	6.8	45.8	2.7%	11.2	312
09-Apr-10	17	1.54	5.4	22.8	1.5%	10.1	157
09-Apr-10	20	1.55	6.4	17.8	1.1%	7.5	166
09-Apr-10	23	1.53	9.1	10.8	0.7%	7.9	169
10-Apr-10	2	1.53	7.7	7.4	0.5%	7.8	178
10-Apr-10	5	1.99	23.0	3.3	0.2%	5.7	184
10-Apr-10	8	1.75	17.5	11.8	0.7%	12.4	216
10-Apr-10	11	1.74	14.6	18.9	1.1%	18.2	235
10-Apr-10	14	1.79	14.2	33.9	1.9%	19.9	249
10-Apr-10	17	1.96	19.1	12.1	0.6%	12.3	311
10-Apr-10	20	1.84	13.8	2.4	0.1%	4.4	26
10-Apr-10	23	1.87	12.8	0.7	0.0%	2.8	197
11-Apr-10	2	1.92	13.0	2.6	0.1%	2.9	153
11-Apr-10	5	1.78	9.7	1.3	0.1%	3.6	21
11-Apr-10	8	1.75	10.6	0.0	0.0%	6.3	46
11-Apr-10	11	1.69	8.4	4.6	0.3%	5.6	67
11-Apr-10	14	1.63	9.0	14.0	0.9%	6.4	131
11-Apr-10	17	1.61	7.7	20.9	1.3%	3.6	105
11-Apr-10	20	1.69	5.1	8.7	0.5%	0.6	195
11-Apr-10	23	1.67	6.1	0.7	0.0%	1.9	157

Appendix B: Hourly Average Mercury Values, April 6 - June 8, 2010, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
12-Apr-10	2	1.54	5.2	1.4	0.1%	2.8	165
12-Apr-10	5	1.53	7.5	6.3	0.4%	2.8	95
12-Apr-10	8	1.61	7.4	1.1	0.1%	4.9	147
12-Apr-10	11	1.63	5.5	5.2	0.3%	5.7	131
12-Apr-10	15	1.62	6.3	9.5	0.6%	3.9	88
12-Apr-10	18	1.58	5.0	6.3	0.4%	8.2	28
12-Apr-10	21	1.62	5.4	3.5	0.2%	11.2	73
13-Apr-10	0	1.65	5.9	4.9	0.3%	8.4	122
13-Apr-10	3	1.61	6.1	6.3	0.4%	7.5	118
13-Apr-10	6	1.58	6.4	2.6	0.2%	7.5	72
13-Apr-10	9	1.73	8.2	1.5	0.1%	10.5	82
13-Apr-10	12	1.80	14.3	1.6	0.1%	9.0	93
13-Apr-10	15	1.69	13.1	1.0	0.1%	7.3	65
13-Apr-10	18	1.70	9.7	0.6	0.0%	8.0	77
13-Apr-10	21	1.73	9.7	0.0	0.0%	6.5	109
14-Apr-10	0	1.65	7.5	0.2	0.0%	10.0	128
14-Apr-10	3	1.71	5.9	0.0	0.0%	6.7	124
14-Apr-10	6	1.82	5.0	0.7	0.0%	6.2	140
14-Apr-10	9	1.79	7.2	0.5	0.0%	7.2	150
14-Apr-10	12	1.93	11.5	1.5	0.1%	8.6	154
14-Apr-10	15	2.19	15.1	5.8	0.3%	9.4	161
14-Apr-10	18	1.98	22.3	31.4	1.6%	9.4	175
14-Apr-10	21	1.72	13.1	17.6	1.0%	6.9	185
15-Apr-10	0	2.29	10.8	2.3	0.1%	4.8	212
15-Apr-10	3	2.01	10.8	1.2	0.1%	4.3	193
15-Apr-10	6	1.69	6.9	6.0	0.4%	9.2	232
15-Apr-10	9	1.60	4.4	19.1	1.2%	14.2	251
15-Apr-10	13	1.62	9.0	17.7	1.1%	18.7	248
15-Apr-10	19	1.61	8.0	6.0	0.4%	13.9	252
15-Apr-10	22	1.70	6.2	1.9	0.1%	9.0	242
16-Apr-10	1	1.70	3.7	0.0	0.0%	8.8	272
16-Apr-10	4	1.72	2.3	2.3	0.1%	10.1	298
16-Apr-10	7	1.91	3.9	3.8	0.2%	10.6	330
16-Apr-10	10	1.68	4.1	4.2	0.2%	13.8	317
16-Apr-10	13	1.66	4.2	7.3	0.4%	18.3	316
16-Apr-10	16	1.63	8.2	2.3	0.1%	18.1	329
16-Apr-10	19	1.62	10.4	0.6	0.0%	12.3	184
16-Apr-10	22	1.61	8.0	0.5	0.0%	5.1	197
17-Apr-10	1	1.65	3.4	0.3	0.0%	7.9	306
17-Apr-10	4	1.61	8.2	0.0	0.0%	10.3	320
17-Apr-10	7	1.69	84.5	0.0	0.0%	9.9	327

Appendix B: Hourly Average Mercury Values, April 6 - June 8, 2010, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
17-Apr-10	10	1.61	12.3	4.8	0.3%	15.5	348
17-Apr-10	13	1.56	9.1	2.3	0.2%	6.6	56
17-Apr-10	16	1.54	12.5	6.8	0.4%	9.1	155
17-Apr-10	19	1.54	13.3	5.2	0.3%	5.0	110
17-Apr-10	22	1.51	15.7	1.1	0.1%	6.6	43
18-Apr-10	1	1.57	6.2	0.0	0.0%	5.2	321
18-Apr-10	4	2.55	306.0	14.5	0.6%	6.6	329
18-Apr-10	7	1.70	11.0	2.2	0.1%	6.4	339
18-Apr-10	11	1.82	9.1	2.3	0.1%	17.0	42
18-Apr-10	14	1.51	10.7	1.4	0.1%	11.2	50
18-Apr-10	17	1.47	15.5	0.3	0.0%	12.6	37
18-Apr-10	20	1.46	11.8	0.6	0.0%	11.3	30
18-Apr-10	23	1.45	4.9	0.0	0.0%	5.3	14
19-Apr-10	2	1.53	4.9	0.0	0.0%	3.8	299
19-Apr-10	5	1.52	5.5	0.0	0.0%	4.8	332
19-Apr-10	8	1.52	4.2	0.0	0.0%	9.1	23
19-Apr-10	11	1.51	7.3	0.0	0.0%	10.2	44
19-Apr-10	14	1.44	8.3	4.4	0.3%	7.1	61
19-Apr-10	17	1.42	10.5	4.1	0.3%	6.4	52
19-Apr-10	20	1.44	13.4	1.9	0.1%	6.6	40
19-Apr-10	23	1.44	17.9	0.3	0.0%	7.6	39
20-Apr-10	2	1.39	1.9	0.0	0.0%	2.4	293
20-Apr-10	5	1.41	3.3	0.0	0.0%	3.7	300
20-Apr-10	8	1.58	9.7	1.2	0.1%	4.2	334
20-Apr-10	11	1.64	11.2	0.0	0.0%	4.8	71
20-Apr-10	14	1.62	9.5	2.3	0.1%	5.4	114
20-Apr-10	17	1.55	23.4	5.3	0.3%	5.7	148
20-Apr-10	20	1.54	11.6	2.6	0.2%	4.2	206
20-Apr-10	23	1.64	13.2	5.6	0.3%	6.7	240
21-Apr-10	2	3.54	33.9	12.6	0.4%	9.1	271
21-Apr-10	5	6.57	49.2	20.1	0.3%	10.6	274
21-Apr-10	9	1.61	6.4	0.0	0.0%	18.4	26
21-Apr-10	12	1.57	9.8	0.0	0.0%	21.5	29
21-Apr-10	15	1.55	12.6	0.4	0.0%	21.1	33
21-Apr-10	18	1.55	12.7	0.5	0.0%	20.5	31
21-Apr-10	21	1.53	8.2	0.0	0.0%	11.8	15
22-Apr-10	0	1.52	14.0	0.0	0.0%	20.2	29
22-Apr-10	3	1.54	11.1	0.0	0.0%	17.3	28
22-Apr-10	6	1.54	4.6	0.0	0.0%	16.1	33
22-Apr-10	9	1.55	5.1	0.2	0.0%	12.0	36
22-Apr-10	12	1.56	7.9	0.0	0.0%	8.3	47

Appendix B: Hourly Average Mercury Values, April 6 - June 8, 2010, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
22-Apr-10	15	1.52	11.1	1.2	0.1%	10.4	45
22-Apr-10	18	1.54	10.0	1.1	0.1%	8.3	42
22-Apr-10	21	1.44	9.2	2.3	0.2%	8.3	45
23-Apr-10	0	1.45	8.5	0.0	0.0%	5.3	31
23-Apr-10	3	1.47	8.7	1.3	0.1%	3.9	55
23-Apr-10	6	1.53	8.4	0.2	0.0%	2.6	87
23-Apr-10	9	1.61	8.8	0.0	0.0%	3.8	72
23-Apr-10	12	1.68	17.1	0.0	0.0%	5.6	101
23-Apr-10	15	1.76	22.1	1.1	0.1%	4.6	56
23-Apr-10	18	1.74	19.2	0.0	0.0%	4.0	30
23-Apr-10	21	1.70	16.8	0.3	0.0%	7.0	24
24-Apr-10	0	1.76	9.5	0.0	0.0%	3.6	93
24-Apr-10	3	1.72	7.0	0.2	0.0%	11.1	129
24-Apr-10	7	1.84	6.7	0.0	0.0%	4.9	103
24-Apr-10	10	1.82	6.2	0.0	0.0%	4.3	96
24-Apr-10	13	1.85	8.7	0.0	0.0%	4.3	130
24-Apr-10	16	1.83	6.1	0.0	0.0%	5.9	64
24-Apr-10	19	1.84	8.2	0.0	0.0%	8.5	70
24-Apr-10	22	2.13	11.7	0.0	0.0%	15.7	73
25-Apr-10	1	1.79	8.2	0.0	0.0%	16.6	82
25-Apr-10	4	1.85	3.3	0.0	0.0%	11.0	105
25-Apr-10	7	1.60	5.1	0.4	0.0%	4.1	155
25-Apr-10	10	1.85	3.2	0.1	0.0%	12.4	61
25-Apr-10	13	1.72	4.7	0.0	0.0%	19.7	51
25-Apr-10	16	1.63	3.6	0.4	0.0%	21.2	26
25-Apr-10	19	1.59	6.6	0.2	0.0%	19.8	16
25-Apr-10	22	1.59	8.2	0.1	0.0%	19.1	19
26-Apr-10	1	1.57	8.2	0.0	0.0%	17.9	16
26-Apr-10	4	1.57	8.1	0.0	0.0%	18.8	16
26-Apr-10	7	1.57	6.1	0.0	0.0%	19.4	17
26-Apr-10	10	1.54	5.5	3.0	0.2%	17.3	19
26-Apr-10	13	1.53	7.0	2.7	0.2%	22.4	25
26-Apr-10	16	1.52	9.7	6.0	0.4%	19.4	21
26-Apr-10	19	1.45	10.6	4.1	0.3%	15.0	15
26-Apr-10	22	1.49	15.1	1.3	0.1%	20.3	18
27-Apr-10	1	1.50	13.6	0.0	0.0%	25.5	20
27-Apr-10	5	1.53	7.5	0.9	0.1%	18.2	38
27-Apr-10	8	1.57	9.3	0.0	0.0%	17.3	53
27-Apr-10	11	1.55	13.4	1.7	0.1%	19.4	38
27-Apr-10	14	1.58	10.2	0.0	0.0%	20.7	30
27-Apr-10	17	1.52	18.8	1.0	0.1%	18.0	29

Appendix B: Hourly Average Mercury Values, April 6 - June 8, 2010, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
27-Apr-10	20	1.52	8.3	0.0	0.0%	4.5	178
27-Apr-10	23	1.58	2.3	0.0	0.0%	4.2	306
28-Apr-10	2	1.55	2.8	0.0	0.0%	4.1	304
28-Apr-10	5	1.61	4.1	0.0	0.0%	4.1	296
28-Apr-10	8	1.63	7.0	0.4	0.0%	2.7	194
28-Apr-10	11	1.67	6.7	0.4	0.0%	7.7	130
28-Apr-10	14	1.51	8.4	3.0	0.2%	10.1	155
28-Apr-10	17	1.37	9.1	60.7	4.4%	9.7	161
28-Apr-10	20	1.47	9.2	10.4	0.7%	7.4	173
28-Apr-10	23	1.47	9.9	6.0	0.4%	8.6	181
29-Apr-10	2	1.59	8.5	3.0	0.2%	8.5	179
29-Apr-10	5	1.76	8.9	1.8	0.1%	8.1	171
29-Apr-10	8	1.99	9.4	0.8	0.0%	12.3	169
29-Apr-10	11	1.86	10.6	2.4	0.1%	13.7	169
29-Apr-10	14	1.68	10.5	3.9	0.2%	17.2	166
29-Apr-10	17	1.57	11.9	3.2	0.2%	14.6	174
29-Apr-10	20	1.60	9.0	15.9	1.0%	11.8	189
29-Apr-10	23	1.61	9.8	4.6	0.3%	9.4	170
30-Apr-10	3	1.65	7.9	0.7	0.0%	5.7	168
30-Apr-10	6	1.77	8.3	2.8	0.2%	9.7	196
30-Apr-10	9	1.64	11.5	4.9	0.3%	19.0	217
30-Apr-10	12	1.69	12.3	4.2	0.2%	14.2	174
30-Apr-10	15	1.73	7.1	4.6	0.3%	15.4	180
30-Apr-10	18	1.79	4.6	0.3	0.0%	12.3	169
30-Apr-10	21	2.22	1.4	1.5	0.1%	9.8	179
01-May-10	0	1.98	0.6	0.2	0.0%	9.5	214
01-May-10	3	1.87	1.1	0.0	0.0%	3.9	180
01-May-10	6	1.92	0.0	0.0	0.0%	6.8	205
01-May-10	9	1.79	2.9	1.0	0.1%	14.1	236
01-May-10	12	1.74	7.4	3.3	0.2%	13.6	233
01-May-10	15	1.76	9.0	2.9	0.2%	14.4	229
01-May-10	18	1.70	6.0	2.8	0.2%	11.7	247
01-May-10	21	1.76	5.9	0.6	0.0%	6.2	214
02-May-10	0	1.87	5.4	0.1	0.0%	3.3	198
02-May-10	3	1.98	3.8	0.0	0.0%	5.5	180
02-May-10	6	1.77	1.7	0.0	0.0%	4.6	173
02-May-10	9	1.67	4.6	0.1	0.0%	7.3	180
02-May-10	12	1.70	5.4	0.0	0.0%	9.5	149
02-May-10	15	1.86	12.4	2.0	0.1%	8.2	165
02-May-10	18	1.82	6.8	4.0	0.2%	7.3	167
02-May-10	21	1.85	5.3	0.1	0.0%	4.5	220

Appendix B: Hourly Average Mercury Values, April 6 - June 8, 2010, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
03-May-10	1	1.69	3.2	0.0	0.0%	6.9	269
03-May-10	4	1.69	2.1	0.0	0.0%	9.5	265
03-May-10	7	1.79	5.0	0.5	0.0%	9.4	263
03-May-10	10	1.70	8.4	2.8	0.2%	9.9	281
03-May-10	13	1.60	11.9	4.0	0.3%	12.5	257
03-May-10	16	1.60	10.8	3.4	0.2%	14.3	275
03-May-10	19	1.59	8.6	1.2	0.1%	11.8	294
03-May-10	22	1.66	6.6	0.0	0.0%	3.6	293
04-May-10	1	1.76	6.2	0.9	0.1%	5.4	231
04-May-10	4	1.67	4.7	0.9	0.1%	7.8	237
04-May-10	7	1.66	5.8	1.1	0.1%	9.3	246
04-May-10	10	1.63	5.6	4.7	0.3%	10.6	241
04-May-10	13	1.65	6.6	8.7	0.5%	12.1	177
04-May-10	16	1.65	7.2	11.4	0.7%	19.1	229
04-May-10	19	1.61	7.9	9.5	0.6%	19.6	223
04-May-10	22	1.63	7.0	8.7	0.5%	15.8	216
05-May-10	1	1.59	3.9	3.9	0.2%	16.6	216
05-May-10	4	1.60	4.3	1.7	0.1%	10.1	320
05-May-10	7	1.60	3.1	0.0	0.0%	4.5	219
05-May-10	10	1.64	2.8	0.2	0.0%	9.9	246
05-May-10	13	1.65	7.5	3.4	0.2%	14.7	259
05-May-10	16	1.53	13.6	2.8	0.2%	20.2	274
05-May-10	23	1.47	1.1	0.0	0.0%	13.6	296
06-May-10	2	1.52	2.9	2.0	0.1%	7.9	307
06-May-10	5	1.49	0.9	0.1	0.0%	7.1	282
06-May-10	8	1.51	1.9	0.4	0.0%	10.1	329
06-May-10	11	1.44	4.3	0.6	0.0%	5.9	75
06-May-10	14	1.19	8.5	2.6	0.2%	10.1	58
06-May-10	17	1.25	17.7	1.8	0.1%	11.5	51
06-May-10	20	1.38	23.6	1.0	0.1%	9.7	41
06-May-10	23	1.41	21.4	0.0	0.0%	11.3	30
07-May-10	1	1.50	5.2	1.6	0.1%	14.5	26
07-May-10	4	1.49	8.3	6.5	0.4%	10.0	40
07-May-10	7	1.50	2.3	1.0	0.1%	5.9	79
07-May-10	10	1.42	2.1	0.0	0.0%	11.3	34
07-May-10	13	1.47	2.6	0.0	0.0%	15.7	32
07-May-10	16	1.49	1.2	0.0	0.0%	8.2	8
07-May-10	19	1.44	0.5	0.0	0.0%	8.0	304
07-May-10	22	1.46	0.3	0.0	0.0%	16.9	284
08-May-10	2	1.39	0.3	0.0	0.0%	17.6	285
08-May-10	5	1.38	1.2	0.4	0.0%	17.3	316

Appendix B: Hourly Average Mercury Values, April 6 - June 8, 2010, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
08-May-10	8	1.41	2.3	0.0	0.0%	15.7	317
08-May-10	11	1.38	7.9	0.0	0.0%	16.2	324
08-May-10	14	1.50	6.1	0.5	0.0%	13.0	318
08-May-10	17	1.54	8.7	3.4	0.2%	12.6	312
08-May-10	21	1.46	7.3	2.1	0.1%	9.8	316
09-May-10	2	1.43	2.3	0.0	0.0%	8.5	314
09-May-10	5	1.42	2.8	0.0	0.0%	7.9	303
09-May-10	8	1.42	4.5	0.5	0.0%	7.1	306
09-May-10	11	1.46	4.8	1.9	0.1%	6.9	112
09-May-10	14	1.54	5.7	0.9	0.1%	8.2	141
09-May-10	17	1.55	5.6	1.4	0.1%	9.4	161
09-May-10	20	1.47	7.9	2.7	0.2%	6.3	168
09-May-10	23	1.45	10.7	3.3	0.2%	5.2	175
10-May-10	2	1.43	5.7	1.6	0.1%	3.6	217
10-May-10	5	1.46	6.4	1.5	0.1%	2.4	239
10-May-10	9	1.58	9.8	5.5	0.3%	8.1	152
10-May-10	12	1.37	8.7	5.3	0.4%	7.3	132
10-May-10	15	1.36	8.9	5.3	0.4%	6.6	102
10-May-10	18	1.32	11.1	6.8	0.5%	8.2	81
10-May-10	21	1.39	13.1	1.2	0.1%	9.8	91
11-May-10	0	1.55	9.7	2.7	0.2%	10.6	124
11-May-10	3	1.49	6.7	1.7	0.1%	13.1	124
11-May-10	6	1.55	7.0	0.0	0.0%	8.7	110
11-May-10	9	1.58	6.5	0.0	0.0%	7.6	104
11-May-10	12	1.55	4.3	0.1	0.0%	14.2	90
11-May-10	15	1.64	2.3	0.0	0.0%	7.9	69
11-May-10	19	1.58	2.4	0.0	0.0%	6.5	17
11-May-10	22	1.54	2.4	0.0	0.0%	11.4	22
12-May-10	1	1.52	2.7	0.4	0.0%	9.0	29
12-May-10	4	1.53	2.5	0.0	0.0%	11.8	54
12-May-10	7	1.56	0.9	0.0	0.0%	9.0	68
12-May-10	10	1.56	3.3	0.9	0.1%	10.5	53
12-May-10	13	1.48	8.1	0.0	0.0%	16.1	39
12-May-10	16	1.55	6.9	0.0	0.0%	10.7	68
12-May-10	19	1.54	3.7	0.0	0.0%	7.3	72
12-May-10	22	1.57	4.0	0.0	0.0%	10.2	110
13-May-10	1	1.61	3.0	0.0	0.0%	12.3	143
13-May-10	4	1.73	2.7	0.0	0.0%	6.9	88
13-May-10	7	1.73	2.1	0.0	0.0%	9.0	143
13-May-10	10	1.75	1.1	0.0	0.0%	7.4	173
13-May-10	13	1.98	1.1	0.1	0.0%	3.5	308

Appendix B: Hourly Average Mercury Values, April 6 - June 8, 2010, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
13-May-10	16	1.77	2.1	1.1	0.1%	6.5	163
13-May-10	19	1.66	0.9	0.5	0.0%	16.8	263
13-May-10	22	1.57	2.3	0.0	0.0%	11.9	277
14-May-10	1	1.53	0.7	0.0	0.0%	11.4	266
14-May-10	4	1.49	0.0	0.3	0.0%	9.8	258
14-May-10	7	1.51	3.0	0.0	0.0%	14.4	267
14-May-10	10	1.50	5.6	0.1	0.0%	17.3	284
14-May-10	13	1.51	8.9	2.2	0.1%	16.9	275
14-May-10	17	1.57	7.0	2.1	0.1%	14.5	290
14-May-10	20	1.59	4.5	0.0	0.0%	6.5	250
14-May-10	23	1.64	4.5	0.6	0.0%	8.7	252
15-May-10	2	1.97	5.6	0.0	0.0%	8.0	280
15-May-10	5	1.75	5.0	0.0	0.0%	6.1	168
15-May-10	8	1.50	9.1	1.3	0.1%	4.1	39
15-May-10	11	1.45	11.1	3.4	0.2%	4.7	44
15-May-10	14	1.41	8.0	4.5	0.3%	5.9	37
15-May-10	17	1.37	11.3	4.4	0.3%	2.7	70
15-May-10	20	1.41	8.1	0.0	0.0%	2.1	192
15-May-10	23	1.48	13.8	0.0	0.0%	3.0	302
16-May-10	2	1.50	15.7	0.9	0.1%	5.9	12
16-May-10	5	1.39	7.5	0.6	0.0%	12.1	22
16-May-10	8	1.43	5.7	0.0	0.0%	12.6	27
16-May-10	11	1.44	16.4	1.6	0.1%	10.2	29
16-May-10	14	1.38	9.2	3.9	0.3%	10.3	27
16-May-10	17	1.34	7.1	3.4	0.3%	14.9	23
16-May-10	20	1.31	10.4	1.7	0.1%	12.6	18
16-May-10	23	1.33	15.9	0.6	0.0%	13.7	32
17-May-10	2	1.36	11.7	0.3	0.0%	7.6	19
17-May-10	5	1.48	4.2	0.5	0.0%	7.3	26
17-May-10	8	1.57	4.1	0.0	0.0%	7.6	19
17-May-10	11	1.43	4.6	5.0	0.3%	15.0	19
17-May-10	15	1.35	6.0	6.0	0.4%	17.2	17
17-May-10	18	1.34	8.9	4.7	0.4%	15.3	16
17-May-10	21	1.37	7.4	4.0	0.3%	12.3	10
18-May-10	0	1.42	4.6	1.9	0.1%	8.9	185
18-May-10	3	1.39	8.9	1.1	0.1%	10.2	14
18-May-10	6	1.44	4.6	1.1	0.1%	9.0	7
18-May-10	9	1.47	3.8	1.8	0.1%	10.6	15
18-May-10	12	1.37	3.4	5.0	0.4%	14.8	22
18-May-10	15	1.28	7.8	8.1	0.6%	14.5	29
18-May-10	18	1.28	11.0	8.9	0.7%	10.6	29

Appendix B: Hourly Average Mercury Values, April 6 - June 8, 2010, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
18-May-10	21	1.29	9.4	10.7	0.8%	5.1	182
19-May-10	0	1.49	5.0	1.4	0.1%	4.0	295
19-May-10	3	1.85	0.0	0.0	0.0%	4.4	306
19-May-10	6	1.68	4.5	0.1	0.0%	2.8	173
19-May-10	9	1.73	7.3	4.9	0.3%	7.6	27
19-May-10	12	1.34	4.8	60.6	4.5%	7.5	25
19-May-10	15	1.29	4.0	41.8	3.2%	5.1	53
19-May-10	18	1.35	8.6	18.0	1.3%	5.8	33
19-May-10	21	1.47	4.1	1.0	0.1%	2.3	300
20-May-10	0	1.62	5.3	0.3	0.0%	2.3	287
20-May-10	3	1.74	4.8	0.1	0.0%	2.3	246
20-May-10	6	1.72	6.5	0.0	0.0%	2.3	283
20-May-10	9	1.59	6.3	17.8	1.1%	4.1	134
20-May-10	13	1.47	11.4	13.5	0.9%	6.5	145
20-May-10	16	1.62	5.0	12.8	0.8%	6.0	33
20-May-10	19	1.58	7.2	24.1	1.5%	3.5	82
20-May-10	22	1.61	6.4	12.2	0.8%	1.2	65
21-May-10	1	1.74	5.6	9.0	0.5%	3.1	155
21-May-10	4	1.65	7.2	0.6	0.0%	5.2	90
21-May-10	7	1.69	3.7	0.1	0.0%	4.9	93
21-May-10	13	1.73	3.5	0.9	0.1%	3.9	89
21-May-10	16	1.63	5.3	0.2	0.0%	4.8	48
21-May-10	19	1.61	4.4	0.0	0.0%	6.2	27
21-May-10	22	1.63	4.5	0.0	0.0%	7.9	29
22-May-10	1	1.62	3.4	0.0	0.0%	7.0	31
22-May-10	4	1.65	3.5	0.0	0.0%	4.1	25
22-May-10	7	1.77	1.6	0.0	0.0%	2.5	194
22-May-10	10	1.64	1.8	0.0	0.0%	4.4	149
22-May-10	13	1.63	2.3	0.2	0.0%	9.5	152
22-May-10	16	1.59	2.2	0.2	0.0%	10.6	167
22-May-10	19	1.60	0.6	0.0	0.0%	7.7	170
22-May-10	22	1.69	1.2	3.7	0.2%	6.8	179
23-May-10	1	2.11	3.4	0.5	0.0%	6.4	177
23-May-10	4	2.10	5.0	0.3	0.0%	2.2	177
23-May-10	7	2.00	8.9	0.4	0.0%	6.1	165
23-May-10	11	2.03	11.4	3.2	0.2%	8.4	154
23-May-10	14	2.37	24.9	5.5	0.2%	11.2	173
23-May-10	17	1.82	5.5	5.4	0.3%	9.1	167
23-May-10	20	1.71	4.6	1.7	0.1%	4.2	166
23-May-10	23	1.95	5.4	1.8	0.1%	4.6	188
24-May-10	2	3.73	9.9	0.8	0.0%	2.8	184

Appendix B: Hourly Average Mercury Values, April 6 - June 8, 2010, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
24-May-10	5	2.34	6.1	0.0	0.0%	2.7	199
24-May-10	8	2.20	5.4	1.0	0.0%	5.0	140
24-May-10	11	2.47	13.6	2.3	0.1%	8.0	154
24-May-10	14	1.94	4.5	4.3	0.2%	6.7	153
24-May-10	17	1.83	1.8	5.6	0.3%	3.4	56
24-May-10	20	1.74	3.4	4.4	0.3%	2.9	102
24-May-10	23	1.63	3.4	4.4	0.3%	5.0	179
25-May-10	2	1.82	3.9	1.9	0.1%	4.9	170
25-May-10	5	1.77	4.3	1.1	0.1%	3.5	150
25-May-10	8	1.77	7.6	0.8	0.0%	6.3	152
25-May-10	11	1.78	8.2	1.6	0.1%	7.2	145
25-May-10	14	1.60	6.5	32.6	2.0%	7.0	146
25-May-10	17	1.52	7.4	13.1	0.9%	5.7	138
25-May-10	20	1.53	4.1	5.0	0.3%	1.4	103
25-May-10	23	1.45	6.4	2.9	0.2%	1.2	183
26-May-10	2	1.32	3.7	1.1	0.1%	1.4	180
26-May-10	5	1.48	3.6	0.5	0.0%	2.5	159
26-May-10	9	1.52	3.9	3.8	0.2%	4.4	51
26-May-10	12	1.54	2.5	6.7	0.4%	4.1	118
26-May-10	15	1.54	4.1	17.3	1.1%	3.0	68
26-May-10	18	1.63	6.0	10.2	0.6%	2.0	135
26-May-10	21	1.69	4.4	2.9	0.2%	4.2	127
27-May-10	0	1.65	1.8	1.0	0.1%	9.3	14
27-May-10	3	1.52	3.6	1.5	0.1%	11.0	10
27-May-10	6	1.46	4.2	1.2	0.1%	12.8	11
27-May-10	9	1.47	3.8	3.5	0.2%	10.0	13
27-May-10	12	1.41	8.0	9.5	0.7%	16.2	23
27-May-10	15	1.35	7.1	5.9	0.4%	10.3	21
27-May-10	18	1.37	6.3	7.0	0.5%	11.8	14
27-May-10	21	1.42	4.6	4.6	0.3%	9.4	9
28-May-10	0	1.47	3.7	1.0	0.1%	7.1	350
28-May-10	3	1.39	4.4	0.4	0.0%	10.6	9
28-May-10	6	1.41	4.3	1.6	0.1%	6.0	351
28-May-10	9	1.38	4.8	3.2	0.2%	11.0	23
28-May-10	12	1.33	4.4	4.9	0.4%	12.5	29
28-May-10	15	1.29	6.2	3.3	0.3%	8.8	28
28-May-10	18	1.37	4.5	2.2	0.2%	11.4	16
28-May-10	21	1.45	3.6	1.6	0.1%	10.4	14
29-May-10	0	1.43	4.8	1.3	0.1%	6.9	4
29-May-10	3	1.56	5.1	0.0	0.0%	3.0	346
29-May-10	7	1.46	3.5	0.1	0.0%	10.0	25

Appendix B: Hourly Average Mercury Values, April 6 - June 8, 2010, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
29-May-10	10	1.37	6.9	1.1	0.1%	7.0	36
29-May-10	13	1.31	6.0	1.6	0.1%	10.2	30
29-May-10	16	1.31	4.0	0.1	0.0%	6.5	40
29-May-10	19	1.32	4.4	1.1	0.1%	6.4	21
29-May-10	22	1.35	3.8	2.2	0.2%	3.4	197
30-May-10	1	1.29	3.9	0.0	0.0%	1.1	265
30-May-10	4	1.36	5.7	0.1	0.0%	1.6	296
30-May-10	7	1.30	4.3	0.5	0.0%	2.8	157
30-May-10	10	1.43	4.7	0.9	0.1%	7.1	147
30-May-10	13	2.07	17.8	17.5	0.8%	8.5	158
30-May-10	16	1.67	9.0	23.4	1.4%	8.0	168
30-May-10	19	1.63	5.9	13.8	0.8%	5.6	176
30-May-10	22	1.59	5.8	9.0	0.6%	6.3	201
31-May-10	1	1.83	6.2	3.1	0.2%	5.1	228
31-May-10	4	1.83	2.0	0.0	0.0%	8.4	239
31-May-10	7	1.77	3.2	0.0	0.0%	5.2	141
31-May-10	10	1.66	4.1	0.0	0.0%	8.1	184
31-May-10	13	1.79	4.0	0.0	0.0%	2.2	330
31-May-10	16	1.68	3.8	0.6	0.0%	5.6	160
31-May-10	19	1.70	4.1	0.2	0.0%	4.8	146
31-May-10	22	1.58	2.9	0.0	0.0%	2.3	39
01-Jun-10	1	1.39	0.7	0.4	0.0%	1.8	177
01-Jun-10	5	1.52	0.4	0.0	0.0%	1.1	314
01-Jun-10	8	1.92	5.9	0.0	0.0%	4.3	182
01-Jun-10	11	1.63	2.6	0.4	0.0%	9.2	155
01-Jun-10	14	2.15	10.8	6.8	0.3%	9.5	161
01-Jun-10	17	1.72	4.2	8.4	0.5%	9.1	165
01-Jun-10	20	1.69	5.8	8.2	0.5%	8.4	182
01-Jun-10	23	2.07	2.6	1.3	0.1%	5.2	188
02-Jun-10	2	4.41	2.7	0.7	0.0%	3.3	202
02-Jun-10	5	1.95	0.8	0.1	0.0%	2.0	179
02-Jun-10	8	2.03	3.9	0.1	0.0%	4.2	294
02-Jun-10	11	1.64	4.0	0.7	0.0%	9.6	165
02-Jun-10	14	1.38	4.6	1.3	0.1%	14.0	28
02-Jun-10	17	1.30	4.8	0.3	0.0%	14.4	33
02-Jun-10	20	1.27	4.5	0.0	0.0%	15.9	18
02-Jun-10	23	1.15	5.4	0.3	0.0%	8.9	17
03-Jun-10	2	1.27	2.8	0.4	0.0%	7.5	178
03-Jun-10	5	1.32	2.2	0.0	0.0%	6.3	350
03-Jun-10	8	1.25	3.7	0.0	0.0%	11.8	15
03-Jun-10	11	1.16	3.8	0.0	0.0%	13.7	28

Appendix B: Hourly Average Mercury Values, April 6 - June 8, 2010, Cont'd

Date	Hour	GEM ng/m3	PB Hg pg/m3	GOM pg/m3	GOM %	VMWS	VMWD
03-Jun-10	14	1.14	7.4	1.7	0.2%	8.6	36
03-Jun-10	17	1.17	6.9	1.6	0.1%	3.4	81
03-Jun-10	20	1.15	4.1	0.0	0.0%	2.3	174
03-Jun-10	23	1.27	1.5	0.0	0.0%	2.1	252
04-Jun-10	3	1.22	1.9	0.0	0.0%	2.1	243
04-Jun-10	6	1.14	1.9	0.0	0.0%	1.8	229
04-Jun-10	9	1.17	3.4	0.0	0.0%	6.1	171
04-Jun-10	12	1.69	1.8	0.0	0.0%	8.9	163
04-Jun-10	15	1.77	6.3	5.4	0.3%	14.7	251
04-Jun-10	18	1.82	3.6	1.4	0.1%	12.8	267
04-Jun-10	21	1.81	3.7	0.0	0.0%	5.7	245
05-Jun-10	0	1.91	3.1	0.3	0.0%	6.4	279
05-Jun-10	3	1.78	2.8	0.0	0.0%	6.8	311
05-Jun-10	6	1.74	4.8	0.2	0.0%	3.8	207
05-Jun-10	9	1.83	5.9	2.3	0.1%	5.3	192
05-Jun-10	12	1.78	6.0	0.8	0.0%	7.3	187
05-Jun-10	15	2.25	8.5	0.2	0.0%	6.8	155
05-Jun-10	18	1.99	3.9	0.0	0.0%	2.3	94
05-Jun-10	21	1.69	3.8	0.1	0.0%	13.9	17
06-Jun-10	0	1.56	3.2	0.4	0.0%	13.1	7
06-Jun-10	3	1.67	1.8	0.2	0.0%	9.0	332
06-Jun-10	6	1.58	3.7	1.0	0.1%	9.9	307
06-Jun-10	9	1.58	3.8	1.0	0.1%	15.9	323
06-Jun-10	12	1.55	5.5	0.8	0.1%	13.8	323
06-Jun-10	15	1.60	7.2	0.3	0.0%	13.5	327
06-Jun-10	18	1.33	5.5	0.5	0.0%	6.2	51
06-Jun-10	21	1.16	2.6	0.0	0.0%	2.1	203
07-Jun-10	1	1.21	2.6	0.0	0.0%	5.4	174
07-Jun-10	4	1.30	3.8	0.1	0.0%	4.6	13
07-Jun-10	7	1.32	5.2	0.0	0.0%	7.9	45
07-Jun-10	10	1.30	5.0	0.0	0.0%	4.9	70
07-Jun-10	13	1.26	6.1	4.2	0.3%	5.5	104
07-Jun-10	16	1.15	5.7	4.9	0.4%	5.1	93
07-Jun-10	19	1.16	6.3	1.7	0.2%	4.1	106
07-Jun-10	22	1.13	9.3	3.2	0.3%	3.4	106
08-Jun-10	1	1.25	8.6	2.4	0.2%	3.9	114
08-Jun-10	4	1.27	10.7	0.8	0.1%	4.2	160
08-Jun-10	7	1.32	9.2	3.5	0.3%	6.4	149
08-Jun-10	10	1.26	7.5	4.2	0.3%	9.9	137