Resolution Copper Mine Monitoring Sites

Summary of Meteorological Data Collected during the First Quarter 2010 Superior, Arizona

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1. INTRODUCTION

This report summarizes meteorological measurements collected at the Resolution Copper Mine monitoring system. The meteorological monitoring system is comprised of two separate monitoring stations, one at the location of the east plant (KC1) near the main entrance to the mine and one at the location of the west plant (KC2), near the town of Superior. Monitoring is conducted at two sites due to the difference in topography between the two sites. The area around KC1 is at an elevated mountainous area; KC2 is located at the base of the mountains. The Resolution Copper Mine is a previously decomissioned underground copper and molybdenum mine that will be re-opened by Resolution Copper Company (Resolution), a member of Rio Tinto Group. The Resolution Mine is located just east of Superior, Arizona in Pinal County as shown in Figure 1.1.

The Resolution Project is located in the historic Pioneer Mining District three miles East of Superior, Arizona (See Figure 1.2). Elevations in the area range from to 2,763 feet above sea level in the town of Superior, while nearby Apache Leap Mountain reaches over 4,700 feet above sea level. Terrain east of the property is highly mountainous. Terrain to the west is less mountainous and becomes relatively flat approximately 10 miles west of Superior and into Phoenix.

The purpose of the monitoring program is to provide the measurements necessary to establish existing meteorological conditions at the proposed site of the Resolution Mine in support of a future air quality permit application for the facility. The monitoring program, including instrument audits, calibrations, maintenance and data processing, is being conducted by Applied Environmental Consultants (AEC). A full complement of meteorological monitoring comprised of measurements of wind speed, wind direction, differential temperature (delta-T), temperature, relative humidity, barometric pressure, solar radiation, evaporation, and precipitation, began at the West Met Site (KC2) on March 26, 2009. The East Met Site (KC1), which measures the same variables, began operation on April 17, 2009. This document summarizes the monitoring data collected during the first quarter of 2010 (January, February and March).

The ensuing sections of this report summarize the measurements made during the quarter. A description of the monitoring program is presented in Section 2. This is followed by a summary of the meteorological data presented in Section 3, data recovery statistics presented in Section 4, and quality assurance data presented in Section 5. Complete listings of the meteorological data, along with associated audit reports, are presented in the appendices.

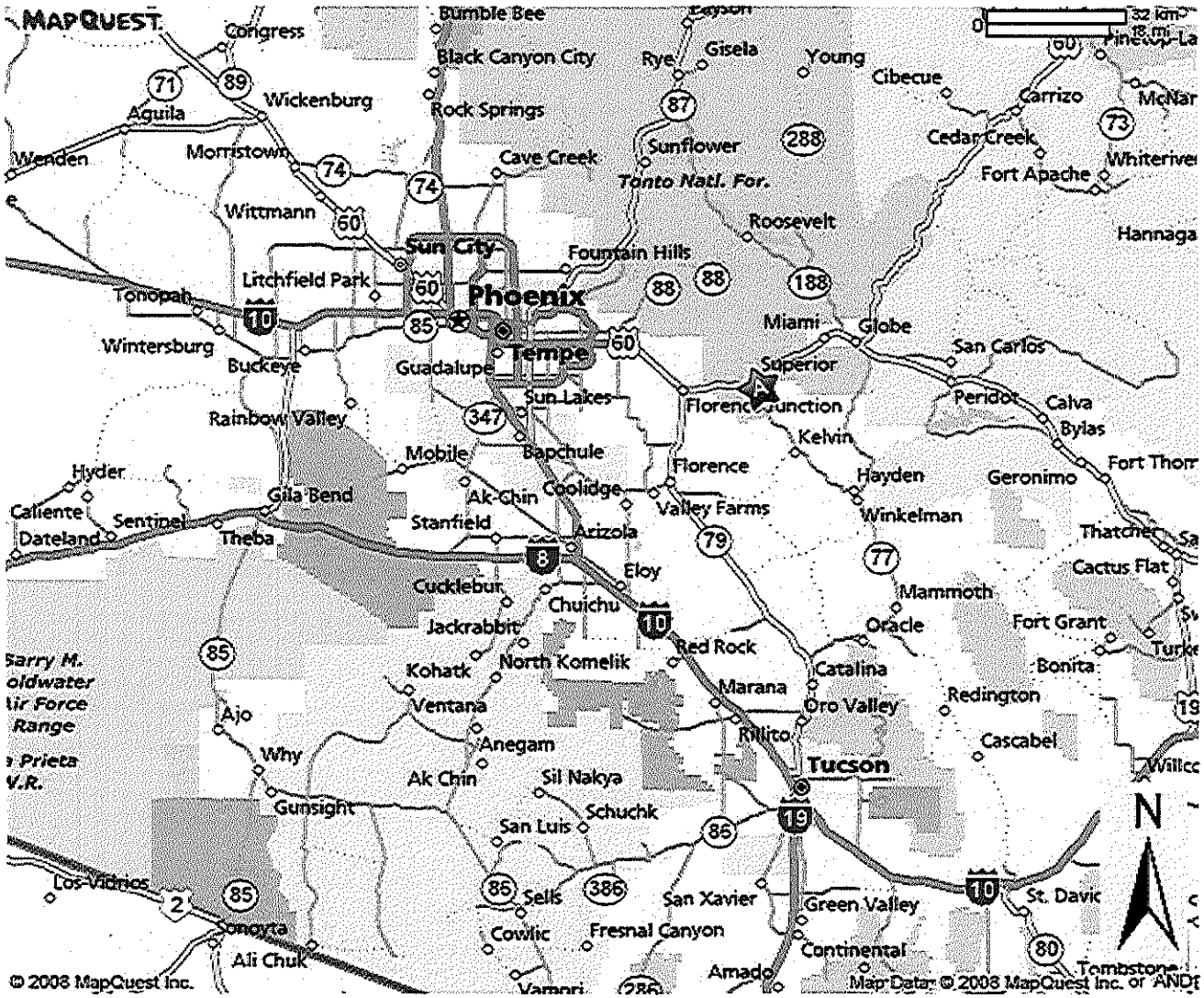


Figure 1.1 Map showing location of proposed Resolution Copper Mine (denoted by A) in Pinal County, Arizona.

Figure 1.2 Map showing locations of KC1 and KC2 monitoring sites.

2. MONITORING PROGRAM

Meteorological parameters being measured at the KC1 and KC2 monitoring stations include wind speed and wind direction at 10 meters, differential temperature between 2 and 10 meters, ambient temperature at 2 meters, relative humidity, barometric pressure, solar radiation, pan evaporation and precipitation. Measurements of sigma theta (standard deviation of the horizontal wind direction fluctuations) are also being made as a backup for stability data. Sigma theta data are not summarized in Section 3 below but are presented in Appendix A. A listing of the meteorological instruments is provided in Table 2.1. The instruments used at both monitoring sites are identical

All monitoring equipment, siting, operations and data processing conform to the criteria specified in the following EPA documents: *Ambient Monitoring Guidelines for Prevention of Significant Deterioration (PSD)*, EPA-450/4-87-007, 1987; *Meteorological Program Guidance for Regulatory Modeling Applications*, EPA-450/4-87-013, Revised February, 2000; and *Volume IV: Meteorological Measurements Versions 2.0,* EPA-454/B-08-002, March 2008.

Table 2.1 Listing of Meteorological Equipment at KC1 and KC2

Instrument Description	Parameter Measured
Campbell Scientific CR1000 Data Logger with Compact Flash Module and Enclosure	Data Acquisition and Storage
Met One 014A Wind Speed Sensor	Horizontal Wind Speed
Met One 024A Wind Direction Sensor	Wind Direction
RM Young 43347-L Differential Temperature Sensor with Radiation Shield	Differential Temperature
Campbell Scientific HMP50-L Relative Humidity Sensor	Relative Humidity and Temperature
Campbell Scientific CS100 Barometric Pressure Sensor	Barometric Pressure
Li-Cor LI-200X Silicon Pyranometer	Solar Radiation
NovaLynx 255-100 Evaporation Pan	Evaporation
Met One 970 Precipitation Gauge	Precipitation

3. METEOROLOGICAL DATA SUMMARIES

Meteorological measurements for each parameter, except humidity, were reduced to one-hour averages and are expressed as hour ending averages. The relative humidity data were collected at the end of each hour. Hourly listings for each of the measured parameters are presented in Appendix A. Data for monitoring sites KC1 and KC2 are presented in separate tables.

3.1 Wind Speed/Wind Direction

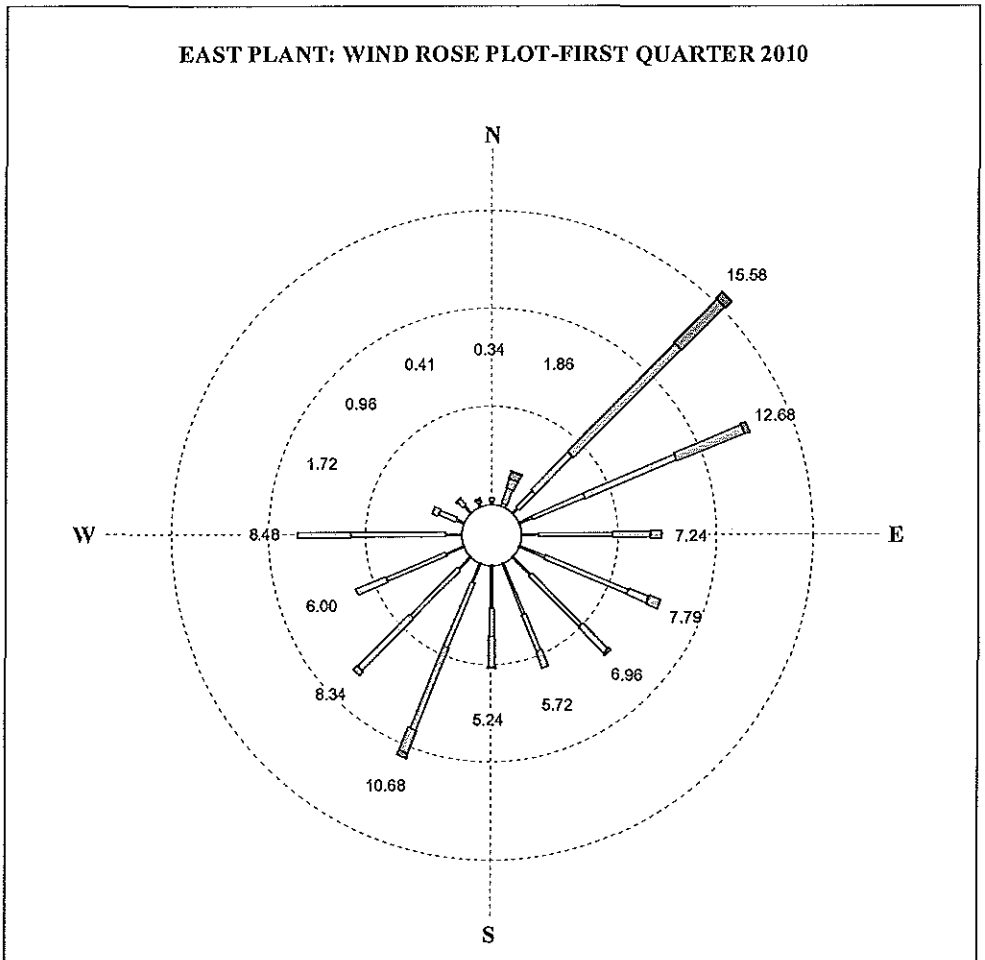
Wind speed statistics for the quarter are presented in Tables 3.1 and 3.2. Wind roses from each monitoring site for the quarter are presented in Figures 3.1 and 3.2.

Table 3.1 KC1: Monthly Wind Speed (m/s) Summary for the First Quarter 2010

	Monthly Avg.	Maximum Hourly Avg.	Minimum Hourly Avg.
January	4.1	11.0	0.0
February	3.1	12.2	0.0
March	3.0	13.6	0.0

Table 3.2 KC2: Monthly Wind Speed (m/s) Summary for the First Quarter 2010

	Monthly Avg.	Maximum Hourly Avg.	Minimum Hourly Avg.
January	3.8	16.1	0.1
February	3.1	12.8	0.0
March	3.1	10.5	0.0



PERCENT OCCURRENCE: Wind Speed (Meters Per Second)
LOWER BOUND OF CATEGORY

DIR	0.45	1.54	3.09	5.14	8.23	10.8
N	0.14	0.21	0.00	0.00	0.00	0.00
NNE	0.00	0.14	0.83	0.48	0.34	0.07
NE	0.34	1.17	2.69	7.79	3.10	0.48
ENE	0.76	2.89	5.03	3.72	0.28	0.00
E	0.90	3.79	1.93	0.62	0.00	0.00
ESE	1.45	4.62	1.10	0.62	0.00	0.00
SE	1.31	3.65	1.86	0.14	0.00	0.00
SSE	2.83	2.00	0.90	0.00	0.00	0.00

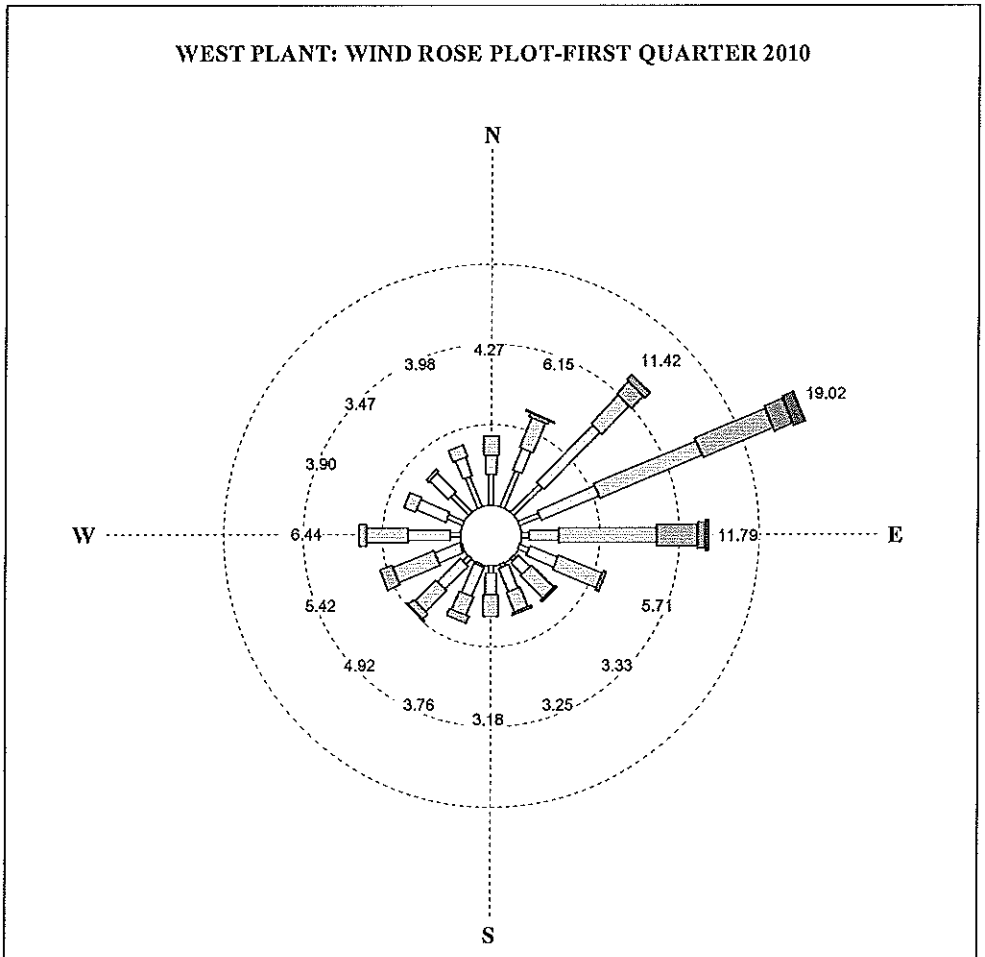
TOTAL OBS = 1530 MISSING OBS = 630

PERCENT OCCURRENCE: Wind Speed (Meters Per Second)
LOWER BOUND OF CATEGORY

DIR	0.45	1.54	3.09	5.14	8.23	10.8
S	2.21	1.45	1.52	0.07	0.00	0.00
SSW	1.10	3.51	4.55	1.24	0.28	0.00
SW	0.90	3.45	3.72	0.28	0.00	0.00
WSW	1.03	3.31	1.65	0.00	0.00	0.00
W	0.83	4.89	2.76	0.00	0.00	0.00
WNW	0.48	0.90	0.34	0.00	0.00	0.00
NW	0.48	0.41	0.07	0.00	0.00	0.00
NNW	0.21	0.14	0.07	0.00	0.00	0.00

CALM OBS = 79

Figure 3.1 Wind rose for the KC1 (East Plant) monitoring site for the First Quarter 2010.



PERCENT OCCURRENCE: Wind Speed (Meters Per Second)
LOWER BOUND OF CATEGORY

DIR	0.45	1.54	3.09	5.14	8.23	10.8
N	1.88	1.23	1.16	0.00	0.00	0.00
NNE	2.39	1.45	2.02	0.22	0.00	0.07
NE	2.46	4.99	2.46	1.08	0.43	0.00
ENE	1.37	3.90	6.94	4.77	1.23	0.80
E	0.51	1.81	6.22	2.53	0.51	0.22
ESE	0.65	1.88	2.96	0.22	0.00	0.00
SE	0.22	1.01	1.95	0.14	0.00	0.00
SSE	0.22	1.59	1.30	0.14	0.00	0.00

TOTAL OBS = 1413 MISSING OBS = 747

PERCENT OCCURRENCE: Wind Speed (Meters Per Second)
LOWER BOUND OF CATEGORY

DIR	0.45	1.54	3.09	5.14	8.23	10.8
S	0.51	1.30	1.37	0.00	0.00	0.00
SSW	0.14	1.95	1.23	0.43	0.00	0.00
SW	0.51	2.02	1.88	0.43	0.07	0.00
WSW	0.14	1.66	2.82	0.80	0.00	0.00
W	0.65	2.68	2.60	0.51	0.00	0.00
WNW	1.08	2.02	0.80	0.00	0.00	0.00
NW	1.59	1.66	0.22	0.00	0.00	0.00
NNW	2.02	1.23	0.72	0.00	0.00	0.00

CALM OBS = 30

Figure 3.2 Wind rose for the KC2 (West Plant) monitoring site for the First Quarter 2010.

3.2 *Differential Temperature*

The differential temperatures were calculated based on the 10 meter sensor reading minus the 2-meter sensor reading. The differential temperature statistics for the quarter are presented in Tables 3.3 and 3.4.

Table 3.3 KC1: Monthly Differential Temperature Summary for the First Quarter 2010

	Monthly Average Differential Temperature Per Hour of Day (°C) [a]					
	Nighttime Hours					
Month	19	20	21	22	23	24
January	0.320	0.317	0.331	0.318	0.284	0.257
February	0.095	0.153	0.188	0.199	0.269	0.257
March	0.036	0.143	0.221	0.310	0.321	0.312
	1	2	3	4	5	6
January	0.260	0.237	0.260	0.214	0.195	0.179
February	0.240	0.198	0.175	0.191	0.189	0.183
March	0.304	0.327	0.339	0.318	0.293	0.284
	Daytime Hours					
Month	7	8	9	10	11	12
January	0.125	0.114	-0.094	-0.357	-0.612	-0.755
February	0.140	0.092	-0.173	-0.384	-0.522	-0.573
March	0.253	-0.028	-0.436	-0.668	-0.681	-0.835
	13	14	15	16	17	18
January	-0.763	-0.735	-0.617	-0.412	-0.125	-0.185
February	-0.593	-0.604	-0.592	-0.466	-0.312	-0.103
March	-0.921	-0.890	-0.798	-0.676	-0.478	-0.229

[a] Differential temperatures based on 10-meter temperature minus 2-meter temperature.

Table 3.4 KC2: Monthly Differential Temperature Summary for the First Quarter 2010

	Monthly Average Differential Temperature Per Hour of Day (°C) [a]					
	Nighttime Hours					
Month	19	20	21	22	23	24
January	0.436	0.514	0.470	0.542	0.540	0.535
February	0.109	0.413	0.604	0.569	0.555	0.534
March	-0.068	0.403	0.528	0.681	0.761	0.811
	1	2	3	4	5	6
January	0.588	0.473	0.444	0.413	0.407	0.349
February	0.584	0.506	0.483	0.474	0.483	0.483
March	0.872	0.688	0.677	0.856	0.639	0.618
	Daytime Hours					
Month	7	8	9	10	11	12
January	0.364	0.311	0.154	-0.223	-0.479	-0.562
February	0.395	0.312	0.033	-0.381	-0.542	-0.658
March	0.556	0.206	-0.334	-0.583	-0.742	-0.670
	13	14	15	16	17	18
January	-0.658	-0.669	-0.578	-0.415	-0.192	0.092
February	-0.772	-0.842	-0.748	-0.599	-0.441	-0.191
March	-0.860	-1.015	-0.968	-0.864	-0.683	-0.387

[a] Differential temperatures based on 10-meter temperature minus 2-meter temperature.

3.3 Temperature

Ambient 2-meter temperature statistics for the quarter from both sites are presented in Tables 3.5 and 3.6.

Table 3.5 KC1: Monthly Temperature (°C) Summary for the First Quarter 2010

Month	Monthly Avg.	Maximum Daily Avg.	Minimum Daily Avg.	Maximum Hourly Avg.	Minimum Hourly Avg.
January	8.8	10.9	5.7	16.9	1.6
February	6.6	11.3	2.5	15.4	-1.9
March	10.4	17.5	2.7	22.4	-0.2

Table 3.6 KC2: Monthly Temperature (°C) Summary for the First Quarter 2010

Month	Monthly Avg.	Maximum Daily Avg.	Minimum Daily Avg.	Maximum Hourly Avg.	Minimum Hourly Avg.
January	13.2	16.0	9.3	20.2	6.1
February	11.3	16.1	6.4	21.1	1.8
March	16.6	20.4	12.3	25.8	7.9

3.4 *Relative Humidity*

Relative humidity statistics for the quarter are presented in Tables 3.7 and 3.8.

Table 3.7 KC1: Monthly Relative Humidity (%) Summary for the First Quarter 2010

Month	Hour 04 Avg	Hour 10 Avg	Hour 16 Avg	Hour 22 Avg
January	44.3	42.6	31.0	36.0
February	66.6	65.8	54.7	63.1
March	54.6	43.5	38.6	48.6
Quarter	Max: 100.0		Min: 11.4	

Table 3.8 KC2: Monthly Relative Humidity (%) Summary for the First Quarter 2010

Month	Hour 04 Avg	Hour 10 Avg	Hour 16 Avg	Hour 22 Avg
January	35.3	30.1	21.6	30.2
February	52.6	47.4	43.0	53.2
March	31.3	25.6	20.1	31.9
Quarter	Max: 96.3		Min: 10.3	

3.5 *Barometric Pressure*

Barometric pressure statistics for the quarter are presented in Tables 3.9 and 3.10.

Table 3.9 KC1: Monthly Barometric Pressure (in Hg) Summary for the First Quarter 2010

Month	Hour 04 Avg	Hour 10 Avg	Hour 16 Avg	Hour 22 Avg
January	25.81	25.84	25.78	25.82
February	25.70	25.74	25.70	25.73
March	25.76	25.80	25.75	25.76
Quarter	Max: 26.06		Min: 25.41	

Table 3.10 KC2: Monthly Barometric Pressure (in Hg) Summary for the First Quarter 2010

Month	Hour 04 Avg	Hour 10 Avg	Hour 16 Avg	Hour 22 Avg
January	26.99	27.04	26.97	26.98
February	26.92	26.96	26.91	26.93
March	26.97	27.01	26.95	26.96
Quarter	Max: 27.25		Min: 26.61	

3.6 Solar Radiation

Solar radiation statistics for the quarter are presented in Tables 3.11 and 3.12

Table 3.11 KC1: Monthly Solar Radiation (watts/m^2) Summary for the First Quarter 2010

Month	Monthly Avg.	Maximum Daily Avg.	Minimum Daily Avg.	Maximum Hourly Avg.	Minimum Hourly Avg.
January	262.1	341.7	19.4	598.1	1.1
February	273.4	466.8	41.2	743.5	2.1
March	392.0	505.5	64.2	868.0	0.5

Note: All statistics based on daylight hours.

Table 3.12 KC2: Monthly Solar Radiation (watts/m^2) Summary for the First Quarter 2010

Month	Monthly Avg.	Maximum Daily Avg.	Minimum Daily Avg.	Maximum Hourly Avg.	Minimum Hourly Avg.
January	263.5	323.9	78.2	627.2	0.0
February	311.3	441.4	77.5	806.0	0.1
March	428.5	530.1	100.7	897.0	0.0

Note: All statistics based on daylight hours.

3.7 Pan Evaporation

Evaporation statistics for the quarter are presented in Tables 3.13 and 3.14.

Table 3.13 KC1: Monthly Evaporation (inches) Summary for the First Quarter 2010

Month	Maximum Daily	Minimum Daily	Average Daily	Total Monthly
January	0.181	0.002	0.058	1.213
February	0.160	0.000	0.052	0.787
March	0.292	0.006	0.163	5.061

Table 3.14 KC2: Monthly Evaporation (inches) Summary for the First Quarter 2010

Month	Maximum Daily	Minimum Daily	Average Daily	Total Monthly
January	0.347	0.061	0.205	4.106
February	0.319	0.019	0.148	3.399
March	0.432	0.063	0.291	4.953

3.8 Precipitation

Precipitation events for the quarter are summarized in Tables 3.15 and 3.16. Precipitation at site KC1 was 3.53 inches in January, 4.10 inches in February and 1.83 inches in March. Precipitation at site KC2 was 2.15 inch in January, 2.34 inch in February and 2.19 inch in March.

Table 3.15 KC1: Monthly Precipitation (inch) Summary for the First Quarter 2010

Month	Day	Precipitation (in)	Duration (hours)
January	13	0.02	1
	14	0.14	1
	18	0.06	4
	19	1.06	8
	20	0.20	5
	21	2.05	17
	Monthly Total	3.53	36
February	7	0.52	6
	20	0.53	10
	21	0.39	10
	22	0.87	18
	23	0.21	4
	28	1.58	15
	Monthly Total	4.10	63
March	7	0.78	9
	8	0.53	11
	9	0.26	3
	19	0.01	1
	23	0.25	8
	Monthly Total	1.83	32
Quarter	**Total**	**9.46**	**131**

Table 3.16 KC2: Monthly Precipitation (inch) Summary for the First Quarter 2010

Month	Day	Precipitation (in)	Duration (hours)
January	13	0.18	1
	14	0.18	1
	18	0.03	2
	19	1.05	7
	20	0.16	5
	21	0.55	5
	Monthly Total	2.15	21
February	7	0.50	6
	20	0.59	10
	21	0.32	9
	22	0.93	16
	Monthly Total	2.34	41
March	15	2.06	2
	23	0.13	7
	Monthly Total	2.19	9
Quarter	**Total**	**6.68**	**71**

4. DATA RECOVERY

Data recovery statistics for the quarter are summarized for each site in Tables 4.1 and 4.2. Missing meteorological data during the quarter at both stations were due to insufficient power on the battery backup system. Additional battery was installed at each station on 2/18/10 for site KC1 and 3/15/10 for site KC2. Data were invalidated on 3/16/10 for site KC1 and 3/15/10 for site KC2 due to instrument audits. The evaporation data were invalidated due to the precipitation and pan refills.

Table 4.1 Monitoring Site KC1 Data Completeness for the First Quarter 2010

Parameters	January	February	March	Quarter
Wind Speed	63.0%	47.5%	99.2%	70.6%
Wind Direction	63.0%	47.5%	99.2%	70.6%
2-meter Temperature	66.8%	50.0%	100%	73.0%
10-meter Temperature	66.8%	50.0%	100%	73.0%
Temperature	66.8%	50.0%	100%	73.0%
Relative Humidity	66.8%	50.0%	100%	73.0%
Barometric Pressure	66.8%	50.0%	100%	73.0%
Solar Radiation	66.8%	50.0%	100%	73.0%
Evaporation	66.4%	49.6%	99.5%	72.5%
Precipitation	66.8%	50.0%	99.7%	72.9%

Table 4.2 Monitoring Site KC2 Data Completeness for the First Quarter 2010

Parameters	January	February	March	Quarter
Wind Speed	65.2%	78.9%	53.5%	65.4%
Wind Direction	65.2%	78.9%	53.5%	65.4%
2-meter Temperature	65.2%	78.9%	53.5%	65.4%
10-meter Temperature	65.2%	78.9%	53.5%	65.4%
Temperature	65.2%	78.9%	53.5%	65.4%
Relative Humidity	65.2%	78.9%	53.5%	65.4%
Barometric Pressure	65.2%	78.9%	53.5%	65.4%
Solar Radiation	65.2%	78.9%	53.5%	65.4%
Evaporation	64.8%	78.6%	53.2%	65.1%
Precipitation	65.2%	78.9%	53.5%	65.4%

5. QUALITY ASSURANCE

Routine quality assurance (QA) procedures were employed to check the meteorological data collected during the quarter.

5.1 Meteorological Measurements

Quality assurance procedures utilized to verify the integrity of the measured meteorological data include the following:

- review of the data to evaluate values and changes from one hour to the next
- performance audits of the field sensors conducted twice per year

5.1.1 Review of Data

The individual meteorological observations were screened according to the criteria listed in Table 5.1. Any data outside of the quality control limits were investigated by the Project Manager and the QA Officer for possible invalidation. The final validity determination was made after comparing the suspect data with other pertinent data to determine whether the data were invalid or whether an unusual meteorological event occurred. No data were invalidated during the quarter based on these screening procedures.

5.1.2 Audit of Field Sensors

Performance audits of the meteorological sensors of the KC1 and KC2 monitoring sites were conducted on March 16 and 15, 2010, respectively. Performance audits were performed to determine if the instruments were operating within acceptable limits. The audit consisted of physical challenges of the field sensors and comparison of the sensor responses to known values. Results of the audits are summarized in Table 5.2 for site KC1 and Table 5.3 for site KC2. A complete meteorological audit report is presented in Appendix B.

Table 5.1 Meteorological Data Screening Criteria

Meteorological Variable	Screening Criteria
	Flag the data if the value:
Temperature (ambient and 2-meter and 10-meter differential temperature readings)	- is less than avg. monthly low or greater than avg. monthly high - is greater than a 5 °C change from the previous hour - does not vary by more than 1 °C for 12 consecutive hours
Differential Temperature	- is less than -0.1 °C/m during nighttime - is greater than 0.1 °C/m during daytime - is less than -3 °C or greater than 5 °C
Wind Speed	- is less than zero or greater than 5 m/s - does not vary by more than 0.1 m/s for 3 consecutive hours - does not vary by more than 0.5 m/s for 12 consecutive hours
Wind Direction	- is less than 0° or greater than 360° - does not vary by more than 1° for 3 consecutive hours - does not vary by more than 10° for 18 consecutive hours
Sigma Theta	- is less than 0° or greater than 90°
Precipitation	- is greater than 1 inch in one hour - is greater than 3 inches in 24 hours
Relative Humidity	- is less than 0% or greater than 100% - does not vary by more than 5% for 18 consecutive hours - normal diurnal patterns exist
Barometric Pressure	- is greater than 25.5 in Hg (based on elevation of site) - is less than 23.5 in Hg (based on elevation of site) - changes by more than 0.2 in Hg in three hours
Solar Radiation	- is greater than zero at night - is greater than the maximum possible for date and latitude - normal diurnal patterns exist
Evaporation	- is greater than 0.5 inches per day - monthly total exceeds monthly average for area

Table 5.2 KC1 Monitoring Site: Performance Audit Result Summary

Parameter	Performance Audit Result	Pass/Fail
Wind Speed	Starting Torque* = 0.1 gm-cm	Pass
	Mean Absolute Error:	
	0.00 m/s (at speeds ≤ 5 m/s)	Pass
	0.97 % (at speeds > 5 m/s)	Pass
Wind Direction	Starting Torque* = 3.0 gm-cm	Pass
	Mean Absolute Error:	
	Alignment = 2.1°	Pass
	Sensor = 1.40°	Pass
2-meter Temperature	Mean Absolute Error:	
	Ice Bath = 0.1 °C	Pass
	Ambient Bath = 0.2 °C	Pass
	Upscale Bath = 0.0 °C	Pass
10-meter Temperature	Mean Absolute Error:	
	Ice Bath = 0.1 °C	Pass
	Ambient Bath = 0.2 °C	Pass
	Upscale Bath = 0.0 °C	Pass
Differential Temperature	Mean Absolute Difference (Same Bath):	
	Ice Bath = 0.0 °C	Pass
	Ambient Bath = 0.0 °C	Pass
	Upscale Bath = 0.0 °C	Pass
	Mean Absolute Difference (Different Baths):	
	Absolute Difference = 0.00 °C	Pass
Relative Humidity	Mean Dew Point Error = 0.8 °C	Pass
Ambient Temperature	Mean Absolute Error = 0.1 °C	Pass
Barometric Pressure	Mean Absolute Error = 0.03 in-Hg	Pass
Solar Radiation	Mean Absolute Percent Error = 2.32 %	Pass
Evaporation	Mean Absolute Percent Error = 7.50 %	Pass
Precipitation	Mean Absolute Percent Error = 3.00 %	Pass

*The starting torque pass/fail limits for the wind speed and wind direction sensors are equivalent to a starting threshold of ≤ 0.5 m/s.

Table 5.3 KC2 Monitoring Site: Performance Audit Result Summary

Parameter	Performance Audit Result	Pass/Fail
Wind Speed	Starting Torque* = 0.1 gm-cm	Pass
	Mean Absolute Error:	
	0.00 m/s (at speeds ≤ 5 m/s)	Pass
	0.87 % (at speeds > 5 m/s)	Pass
Wind Direction	Starting Torque* = 3.0 gm-cm	Pass
	Mean Absolute Error:	
	Alignment = 1.3°	Pass
	Sensor = 1.7°	Pass
2-meter Temperature	Mean Absolute Error:	
	Ice Bath = 0.0 °C	Pass
	Ambient Bath = 0.0 °C	Pass
	Upscale Bath = 0.0 °C	Pass
10-meter Temperature	Mean Absolute Error:	
	Ice Bath = 0.1 °C	Pass
	Ambient Bath = 0.0 °C	Pass
	Upscale Bath = 0.0 °C	Pass
Differential Temperature	Mean Absolute Difference (Same Bath):	
	Ice Bath = 0.0 °C	Pass
	Ambient Bath = 0.0 °C	Pass
	Upscale Bath = 0.0 °C	Pass
	Mean Absolute Difference (Different Baths):	
	Absolute Difference = 0.00 °C	Pass
Relative Humidity	Mean Dew Point Error = 0.6 °C	Pass
Ambient Temperature	Mean Absolute Error = 0.3 °C	Pass
Barometric Pressure	Mean Absolute Error = 0.02 in-Hg	Pass
Solar Radiation	Mean Absolute Percent Error = 1.37 %	Pass
Evaporation	Mean Absolute Percent Error = 6.50 %	Pass
Precipitation	Mean Absolute Percent Error = 3.00 %	Pass

*The starting torque pass/fail limits for the wind speed and wind direction sensors are equivalent to a starting threshold of ≤ 0.5 m/s.

APPENDIX A

METEOROLOGICAL DATA

METEOROLOGICAL MEASUREMENTS

KC1 SITE

APPENDIX KC1-A: HOURLY WIND SPEED/DIRECTION DATA
APPENDIX KC1-B: HOURLY SIGMA THETA DATA
APPENDIX KC1-C: HOURLY DIFFERENTIAL TEMPERATURE DATA
APPENDIX KC1-D: HOURLY TEMPERATURE DATA
APPENDIX KC1-E: HOURLY RELATIVE HUMIDITY
APPENDIX KC1-F: HOURLY BAROMETRIC PRESSURE DATA
APPENDIX KC1-G: HOURLY SOLAR RADIATION DATA
APPENDIX KC1-H: HOURLY EVAPORATION DATA
APPENDIX KC1-I: HOURLY PRECIPITATION DATA

APPENDIX KC1-A

HOURLY WIND SPEED/DIRECTION DATA

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

JANUARY 2010

WIND SPEED (m/s)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
01/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	5.4	8.6	8.5	7.6	7.7	7.6	6.2	4.5	4.8	4.6	6.2	9.4	7.6	INV	INV	INV
01/02/10	5.3	5.3	6.2	6.6	4.5	7.1	6.9	4.7	3.8	5.1	5.8	5.1	4.9	2.7	2.1	3.5	3.3	3.5	1.0	0.7	0.9	2.1	2.6	2.7	7.1	0.7	4.0
01/03/10	3.0	3.1	2.8	3.4	3.7	4.0	4.2	4.5	5.2	7.2	8.4	7.6	5.9	5.5	5.5	5.3	5.5	3.3	5.1	8.1	7.6	7.9	8.9	9.7	9.7	2.8	5.6
01/04/10	7.1	5.3	3.8	5.2	8.8	7.4	8.7	8.8	8.1	9.5	9.5	9.6	8.9	8.3	7.5	6.4	6.1	5.7	4.3	5.1	4.4	5.0	5.3	5.5	9.6	3.8	6.9
01/05/10	7.8	8.8	8.9	8.2	8.9	10.0	7.4	4.7	6.1	6.9	7.2	7.1	6.1	5.0	3.9	2.1	3.4	1.7	1.4	1.6	1.8	1.8	1.5	1.7	10.0	1.4	5.2
01/06/10	1.9	1.8	1.6	1.8	2.0	2.2	2.5	2.4	1.9	3.0	3.3	2.9	2.2	2.8	2.8	2.7	3.4	2.2	0.7	1.0	1.0	1.1	1.1	1.3	3.4	0.7	2.1
01/07/10	1.6	1.1	1.6	1.9	1.7	2.2	2.0	1.8	2.1	2.5	3.8	4.2	2.8	1.6	2.9	2.4	2.5	1.7	1.3	1.9	2.3	2.7	6.1	7.7	7.7	1.1	2.6
01/08/10	5.4	8.5	7.0	10.0	7.8	6.6	6.8	6.9	8.0	9.2	11.0	10.7	10.7	9.1	9.0	7.1	5.4	5.5	5.8	6.2	6.9	7.5	4.8	8.9	11.0	4.8	7.7
01/09/10	7.7	5.2	5.8	6.2	6.5	6.7	7.2	8.6	9.2	8.0	7.2	7.1	6.5	6.6	6.1	4.9	4.0	2.4	3.6	3.6	3.7	3.9	4.5	4.7	9.2	2.4	5.8
01/10/10	5.7	5.1	6.0	5.3	7.5	6.3	7.5	6.7	6.5	7.1	7.5	7.0	6.0	6.4	6.5	6.3	4.9	3.9	4.0	3.7	4.0	4.0	4.4	7.5	7.5	3.7	5.8
01/11/10	3.0	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	5.3	4.8	4.4	4.2	6.5	5.4	6.2	6.4	5.4	4.4	5.4	5.6	INV	INV	INV
01/12/10	5.5	5.6	7.0	7.4	6.2	6.2	6.7	5.7	6.6	6.9	7.5	7.7	7.5	7.3	6.1	5.8	5.5	4.7	3.7	3.4	2.7	2.7	2.5	2.7	7.7	2.5	5.6
01/13/10	2.3	3.7	3.4	3.3	2.1	2.5	2.9	3.1	2.9	3.4	2.7	3.0	2.0	2.7	3.2	2.6	2.4	2.2	1.9	0.9	1.0	1.3	1.7	2.9	3.7	0.9	2.5
01/14/10	3.3	2.9	1.7	0.9	1.2	1.7	2.3	2.5	3.3	4.6	4.1	3.7	2.4	4.2	4.7	3.9	5.0	2.8	2.1	3.0	3.5	6.1	6.8	9.0	9.0	0.9	3.6
01/15/10	10.4	10.1	9.2	9.0	8.9	7.1	0.0	0.0	0.0	0.0	0.0	3.5	5.4	5.6	4.8	3.0	2.8	1.9	2.2	1.9	5.0	2.5	2.4	2.5	10.4	0.0	4.1
01/16/10	2.3	2.2	2.2	2.3	2.2	2.4	2.5	2.3	2.7	3.6	3.7	3.8	3.0	2.9	3.1	2.1	0.8	0.9	1.0	1.4	1.1	1.0	0.1	0.6	3.8	0.1	2.1
01/17/10	1.5	0.9	0.5	0.4	0.8	0.5	1.0	1.5	1.6	1.4	1.4	2.1	1.8	2.3	2.8	2.7	2.1	1.1	1.3	0.4	1.3	1.9	2.0	2.1	2.8	0.4	1.5
01/18/10	1.1	0.3	0.7	0.3	0.6	1.3	2.4	3.5	3.2	1.8	2.6	2.7	3.5	2.2	2.9	1.4	2.9	2.6	2.1	2.4	2.9	2.5	3.9	3.0	3.9	0.3	2.2
01/19/10	2.6	1.6	1.9	4.3	3.8	2.5	2.7	0.9	1.2	2.8	3.2	4.5	4.5	4.2	3.3	3.5	3.3	3.4	3.9	4.9	2.3	4.5	4.3	0.0	4.9	0.0	3.1
01/20/10	3.6	5.1	4.6	4.9	4.4	2.7	3.6	4.9	4.0	3.7	2.5	2.1	2.5	2.8	3.1	3.5	3.3	1.7	0.9	1.0	0.9	1.5	4.9	3.8	5.1	0.9	3.2
01/21/10	4.3	4.5	2.2	4.8	3.8	INV	INV	INV	INV	INV	INV	5.6	7.8	8.5	8.6	9.5	8.4	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	4.3	4.3	4.1	4.5	4.5	4.4	4.3	4.1	4.2	4.8	5.1	5.3	5.2	4.9	4.8	4.3	4.2	3.1	2.9	3.1	3.2	3.5	4.1	4.5			

Maximum Hourly Wind Speed: 11.0 **Minimum Hourly Wind Speed:** 0.0 **Average Monthly Wind Speed:** 4.1

Maximum 24-Hour Mean: 7.7 **Minimum 24-Hour Mean:** 1.5

Total Number of Observations: 469 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

JANUARY 2010

WIND DIRECTION (degrees)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	49	48	49	44	47	47	58	66	58	66	78	38	46
01/02/10	56	56	50	52	60	41	45	69	72	55	47	49	53	67	241	256	264	273	173	190	146	126	132	119
01/03/10	113	115	120	96	138	135	85	130	119	54	47	51	57	56	41	44	42	64	53	41	41	42	40	35
01/04/10	53	59	81	68	46	51	46	44	50	49	46	43	41	38	36	41	41	46	55	52	57	53	54	54
01/05/10	44	42	42	45	41	39	49	70	68	51	48	46	47	41	36	56	46	110	131	132	135	119	135	155
01/06/10	176	180	146	160	166	173	148	143	134	87	59	50	277	263	251	267	269	279	180	186	163	186	180	175
01/07/10	152	166	160	117	138	123	129	90	97	84	56	50	49	96	48	52	48	74	140	95	96	97	49	37
01/08/10	58	43	52	40	51	59	69	76	63	60	45	45	42	43	43	45	48	56	59	63	52	50	67	44
01/09/10	51	71	66	56	59	55	52	49	45	46	52	57	55	52	50	54	53	76	78	80	84	69	69	62
01/10/10	57	60	54	58	50	55	48	51	52	49	46	49	60	60	53	53	55	67	68	72	71	63	62	42
01/11/10	42	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	45	93	116	77	36	41	48	50	50	65	68	61
01/12/10	68	73	60	57	66	60	56	57	51	51	51	48	44	39	35	38	40	49	59	66	80	80	80	99
01/13/10	99	57	62	79	122	106	89	88	92	80	89	112	175	138	215	229	199	219	267	274	196	117	65	223
01/14/10	276	76	134	172	138	122	122	121	80	51	62	67	20	30	14	35	43	64	82	80	84	39	23	20
01/15/10	35	43	49	51	45	43	0	0	0	0	0	75	65	48	37	43	35	6	277	75	49	132	118	117
01/16/10	120	131	116	128	132	133	123	106	85	71	60	50	56	64	100	105	77	155	170	164	159	171	70	120
01/17/10	180	111	118	153	187	185	147	135	121	92	97	115	118	207	196	193	215	233	242	247	204	217	208	207
01/18/10	197	90	201	57	126	179	176	192	167	115	95	126	111	142	124	97	70	127	109	104	81	106	208	176
01/19/10	133	137	171	200	176	179	108	108	125	126	137	134	131	125	159	168	144	148	139	205	281	213	205	0
01/20/10	136	206	211	212	205	213	191	212	220	215	214	205	216	203	172	173	194	162	95	91	73	173	192	196
01/21/10	192	194	139	163	151	INV	INV	INV	INV	INV	INV	200	203	205	202	200	198	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	112	100	107	103	110	108	93	97	91	74	70	81	91	98	105	108	103	115	125	116	108	110	103	99

Total Number of Observations: 469 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

FEBRUARY 2010

WIND SPEED (m/s)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	2.3	1.9	2.7	2.2	2.0	2.0	1.5	1.5	1.5	0.6	0.2	0.1	0.2	0.2	INV	INV	INV
02/06/10	0.1	0.1	0.4	0.3	0.7	1.2	1.1	1.4	1.0	1.2	2.8	3.4	3.6	3.2	2.8	2.5	2.4	2.1	1.9	0.4	2.3	3.1	4.1	2.4	4.1	0.1	1.9
02/07/10	1.8	1.7	3.1	3.0	4.6	4.1	4.1	4.9	3.4	2.2	3.1	2.8	2.9	2.9	3.6	3.6	3.1	3.1	3.0	2.2	1.4	1.1	0.7	1.3	4.9	0.7	2.8
02/08/10	0.8	0.7	0.9	0.0	0.1	0.3	0.5	0.5	1.5	2.8	1.4	1.3	1.8	1.9	2.3	1.8	1.7	1.0	0.4	1.5	0.1	0.3	1.0	INV	2.8	0.0	1.1
02/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/16/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/17/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/18/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	2.9	3.2	3.1	2.8	2.6	1.9	1.0	1.0	0.7	0.4	0.6	INV	INV	INV
02/19/10	0.1	0.2	0.4	0.2	0.1	0.4	0.0	0.5	0.8	1.7	3.0	4.0	3.8	3.2	3.5	4.4	3.6	3.3	4.7	3.9	4.0	5.0	4.7	4.6	5.0	0.0	2.5
02/20/10	4.3	3.7	3.0	2.4	2.1	2.2	3.8	2.7	2.7	2.5	2.8	5.4	4.0	3.6	4.5	3.0	3.6	1.8	1.9	2.8	3.6	3.1	2.8	3.4	5.4	1.8	3.1
02/21/10	3.3	4.8	5.9	6.5	5.0	5.3	6.5	6.1	6.5	5.3	5.8	4.5	4.5	3.9	2.4	2.1	1.6	1.2	1.5	1.3	1.8	3.6	3.1	3.9	6.5	1.2	4.0
02/22/10	0.0	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	1.5	1.8	1.7	4.0	6.6	6.9	INV	INV	INV
02/23/10	7.1	7.4	4.9	3.0	8.9	11.6	12.0	12.2	7.1	7.2	7.7	8.9	7.4	6.7	6.2	5.7	4.7	3.3	0.5	0.3	2.0	1.6	3.0	2.9	12.2	0.3	5.9
02/24/10	2.5	2.4	2.4	3.1	2.9	3.2	2.9	3.9	5.2	4.9	5.1	4.4	3.9	3.4	1.6	2.4	2.4	1.6	1.4	1.6	0.3	0.7	0.2	0.5	5.2	0.2	2.6
02/25/10	1.4	1.8	2.4	2.0	2.1	1.8	2.2	1.9	2.2	3.1	3.2	3.3	3.7	3.2	4.1	3.8	3.2	3.2	3.3	2.8	2.0	0.6	1.4	1.6	4.1	0.6	2.5
02/26/10	2.3	3.5	6.8	7.0	8.7	8.5	8.6	5.9	5.6	8.1	7.6	7.8	6.8	6.3	5.7	5.0	3.6	2.0	0.9	1.9	2.0	2.1	2.8	2.2	8.7	0.9	5.1
02/27/10	2.4	3.1	2.7	2.8	2.8	2.5	2.8	3.0	3.3	3.7	3.7	3.7	3.8	3.8	3.4	4.1	3.3	2.3	1.7	3.6	3.0	2.5	2.3	3.0	4.1	1.7	3.0
02/28/10	3.9	5.4	3.4	2.8	1.3	2.3	2.8	5.3	4.9	5.1	4.8	3.9	3.7	3.5	2.7	2.9	2.7	3.4	2.6	2.0	1.1	0.7	0.5	1.5	5.4	0.5	3.0
Hourly Averages	2.3	2.9	3.0	2.8	3.3	3.6	3.9	4.0	3.7	4.0	4.1	4.2	4.1	3.6	3.4	3.3	2.9	2.3	1.9	1.8	1.8	2.0	2.3	2.5			

Maximum Hourly Wind Speed: 12.2 **Minimum Hourly Wind Speed:** 0.0 **Average Monthly Wind Speed:** 3.1

Maximum 24-Hour Mean: 5.9 **Minimum 24-Hour Mean:** 1.1

Total Number of Observations: 319 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

FEBRUARY 2010

WIND DIRECTION (degrees)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	139	129	244	297	281	255	235	261	258	311	182	185	186	110
02/06/10	185	206	194	177	155	158	147	146	123	119	128	124	137	131	134	199	207	243	272	153	207	208	199	217
02/07/10	226	250	198	209	209	205	287	292	276	254	243	226	221	210	204	181	168	168	177	166	85	40	324	282
02/08/10	53	150	169	114	92	170	165	159	109	110	155	284	201	258	267	259	274	294	307	276	303	180	159	INV
02/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/16/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/17/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/18/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	239	265	279	220	198	180	135	81	220	154	160
02/19/10	203	200	168	134	155	189	204	137	53	100	210	226	209	219	220	213	203	197	216	217	213	211	220	219
02/20/10	226	231	243	234	241	253	227	229	247	228	191	203	214	217	222	217	208	212	199	187	195	211	218	215
02/21/10	203	198	192	195	203	212	213	214	217	211	217	214	209	176	148	160	79	71	89	212	230	227	214	226
02/22/10	220	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	305	67	104	82	47	44
02/23/10	44	40	57	124	51	44	38	38	77	86	75	72	72	70	74	68	71	76	106	103	62	67	62	118
02/24/10	127	119	82	65	69	67	78	63	53	56	55	57	116	134	102	238	220	205	218	287	59	201	95	323
02/25/10	286	279	289	273	267	279	267	283	273	264	243	251	249	258	237	255	251	256	274	274	275	158	166	125
02/26/10	107	71	41	39	33	34	39	67	82	53	59	59	82	51	56	42	44	263	45	84	89	96	78	89
02/27/10	80	102	85	92	84	89	97	102	90	62	71	76	102	120	120	115	131	141	139	191	193	203	198	189
02/28/10	190	206	200	186	215	164	183	216	218	220	218	214	220	216	186	198	253	277	265	255	264	235	237	278
Hourly Averages	165	171	160	153	148	155	162	162	151	147	154	164	175	185	180	191	183	204	203	195	169	168	170	185

Total Number of Observations: 319 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

MARCH 2010

WIND SPEED (m/s)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
03/01/10	1.7	0.5	1.8	0.9	0.3	0.7	0.5	1.1	1.1	1.6	1.2	1.9	2.8	2.9	2.7	3.2	3.3	2.8	0.7	0.1	0.3	1.4	2.0	2.3	3.3	0.1	1.6
03/02/10	2.0	1.6	1.8	2.4	3.6	3.0	3.5	2.9	3.9	5.2	5.6	6.4	5.7	5.0	3.6	3.0	3.6	2.5	1.8	2.1	0.1	0.7	0.7	0.7	6.4	0.1	3.0
03/03/10	0.5	0.4	0.1	1.6	0.6	0.9	1.2	0.9	0.3	1.6	1.9	2.7	2.9	2.6	2.6	2.6	2.4	1.8	1.6	0.2	0.6	0.8	0.4	0.0	2.9	0.0	1.3
03/04/10	0.0	0.0	0.0	0.1	1.2	0.6	1.0	2.2	2.9	3.8	3.4	3.3	3.8	4.0	4.4	4.7	4.6	3.4	2.4	2.8	2.2	2.0	1.6	1.8	4.7	0.0	2.3
03/05/10	1.5	1.2	1.0	0.9	0.5	1.5	1.0	0.7	1.7	2.9	2.8	2.8	3.3	2.7	2.1	1.8	2.8	2.8	1.8	1.4	1.6	1.8	1.7	1.6	3.3	0.5	1.8
03/06/10	1.6	1.6	1.8	1.8	1.8	2.1	1.8	2.1	2.2	1.6	2.4	3.0	3.4	3.7	3.8	3.7	2.4	3.7	2.0	3.0	5.3	4.6	3.7	2.1	5.3	1.6	2.7
03/07/10	2.8	3.4	2.8	2.7	3.0	2.7	2.2	2.0	1.7	2.3	4.2	5.1	4.5	4.6	4.7	3.1	3.2	2.7	4.5	4.1	3.8	5.8	3.5	2.8	5.8	1.7	3.4
03/08/10	2.8	1.5	1.2	3.8	1.7	1.4	1.2	2.1	2.6	3.2	3.0	2.6	2.8	2.5	2.3	2.5	2.2	1.2	0.7	1.2	0.4	0.5	0.1	0.0	3.8	0.0	1.8
03/09/10	0.0	0.7	1.6	0.7	0.6	1.5	1.9	1.6	3.2	4.5	4.3	5.2	5.6	5.8	5.2	4.6	3.7	4.1	4.3	3.6	2.7	3.0	3.2	2.1	5.8	0.0	3.1
03/10/10	1.6	2.6	2.7	2.5	2.3	1.9	1.0	0.4	1.4	2.1	3.2	3.2	3.3	3.3	3.4	3.5	2.6	2.4	2.9	3.1	3.1	2.6	2.8	2.5	3.5	0.4	2.5
03/11/10	2.7	2.1	1.2	2.3	2.1	1.1	1.0	0.7	1.2	2.8	3.0	2.9	3.3	3.4	3.8	3.6	3.7	3.2	2.6	2.9	3.2	2.0	2.5	2.4	3.8	0.7	2.5
03/12/10	0.9	1.2	0.9	1.0	1.8	2.1	1.6	2.9	3.0	4.1	4.8	3.1	3.6	3.8	3.7	3.5	3.7	3.2	3.7	4.0	2.2	1.2	0.9	0.3	4.8	0.3	2.5
03/13/10	0.0	0.7	0.9	0.7	0.4	0.8	0.7	0.6	1.7	2.0	2.1	3.4	3.0	2.8	2.9	2.9	2.8	2.1	2.3	1.7	2.0	1.9	1.8	2.8	3.4	0.0	1.8
03/14/10	3.1	2.3	2.2	2.0	1.6	2.1	2.2	3.1	3.3	3.3	3.0	3.3	3.9	3.7	3.1	3.2	2.7	3.3	3.2	2.7	2.7	2.4	1.1	1.4	3.9	1.1	2.7
03/15/10	4.7	2.8	INV	INV	INV	INV	10.4	13.6	11.6	8.5	8.2	8.8	7.4	5.9	4.2	4.2	4.3	4.6	3.6	5.6	7.8	7.2	5.1	4.7	13.6	2.8	6.7
03/16/10	3.7	3.1	4.1	4.6	6.0	6.4	2.9	0.0	1.8	INV	INV	2.9	4.4	4.5	3.8	5.3	3.5	2.7	2.7	1.8	1.9	2.8	3.4	2.7	6.4	0.0	3.4
03/17/10	2.6	3.1	3.7	4.4	3.9	5.4	5.2	6.1	7.4	8.3	9.1	5.6	6.2	5.3	6.0	6.1	4.8	4.2	3.1	2.8	2.6	2.5	2.8	3.5	9.1	2.5	4.8
03/18/10	3.9	3.5	2.8	3.7	3.5	3.0	3.2	3.6	3.9	4.4	3.9	3.4	4.0	3.8	3.6	3.6	3.7	3.9	2.7	2.0	1.6	1.1	1.0	1.2	4.4	1.0	3.1
03/19/10	1.0	0.6	0.2	0.0	1.0	1.7	0.4	0.8	1.5	3.2	1.6	2.6	2.6	2.8	3.5	3.5	3.8	3.0	3.5	2.5	1.7	1.0	1.7	3.9	3.9	0.0	2.0
03/20/10	4.3	8.5	10.0	11.2	10.4	10.9	8.9	7.8	9.0	10.4	9.4	8.8	7.5	6.6	6.5	4.8	4.1	2.9	1.6	1.3	0.9	1.0	1.0	1.9	11.2	0.9	6.2
03/21/10	2.3	1.9	2.2	2.3	3.7	3.9	5.5	6.4	6.1	6.6	8.0	7.8	5.2	3.7	2.5	3.9	2.5	2.7	2.4	3.9	1.0	1.4	1.6	1.3	8.0	1.0	3.7
03/22/10	1.6	1.6	1.8	2.0	2.1	1.9	2.1	2.2	3.5	3.2	3.1	1.7	3.0	3.1	2.9	3.1	2.5	2.3	1.9	1.4	0.3	0.3	0.2	0.8	3.5	0.2	2.0
03/23/10	0.6	1.9	2.4	0.7	1.5	2.1	2.0	1.9	1.1	3.4	4.1	3.8	3.4	3.0	2.2	1.1	1.2	2.4	2.5	1.6	1.1	0.7	0.3	0.6	4.1	0.3	1.9
03/24/10	0.5	0.5	1.3	1.1	1.6	1.5	3.2	4.9	4.7	4.5	4.1	3.5	3.2	3.3	3.6	3.8	3.5	3.5	3.6	3.5	2.5	1.1	2.1	1.5	4.9	0.5	2.8
03/25/10	1.3	1.8	1.5	1.2	1.7	1.7	2.1	2.6	3.5	3.5	4.4	4.3	4.3	3.6	3.6	2.7	2.9	2.4	1.4	1.3	2.1	2.8	2.7	2.9	4.4	1.2	2.6
03/26/10	2.9	3.4	5.0	2.7	4.0	3.8	2.9	2.3	3.1	3.5	3.6	4.0	3.7	4.2	4.6	3.9	4.3	4.3	4.0	4.5	3.6	2.2	1.7	1.4	5.0	1.4	3.5
03/27/10	1.5	1.0	1.3	3.1	2.4	0.4	1.0	1.8	2.5	6.5	6.2	6.4	6.1	6.1	6.0	6.1	5.1	4.6	3.3	1.6	0.7	1.6	1.8	2.4	6.5	0.4	3.3
03/28/10	3.5	2.9	3.6	5.5	5.2	0.1	0.0	3.0	9.8	10.1	7.3	5.3	5.2	4.9	4.7	6.7	5.3	3.2	2.3	2.1	1.6	1.3	1.8	2.1	10.1	0.0	4.1
03/29/10	2.7	2.9	3.2	4.0	3.2	3.5	4.3	4.5	5.2	5.5	5.6	5.3	3.2	2.2	2.4	2.4	2.4	3.0	3.2	1.3	1.5	1.1	1.1	0.3	5.6	0.3	3.1
03/30/10	0.2	0.2	0.8	1.4	0.7	0.3	1.1	1.0	2.6	3.1	2.6	2.5	3.7	3.1	3.0	2.4	3.1	2.1	1.6	1.1	0.5	0.8	1.2	1.2	3.7	0.2	1.7
03/31/10	2.3	4.5	4.2	4.3	4.5	5.2	4.8	4.1	4.9	4.8	4.3	5.2	4.6	4.6	4.9	5.5	6.5	5.9	4.8	4.4	4.4	3.3	3.2	3.4	6.5	2.3	4.5
Hourly Averages	2.0	2.1	2.3	2.5	2.6	2.5	2.6	2.9	3.6	4.3	4.4	4.2	4.2	3.9	3.8	3.7	3.5	3.1	2.7	2.4	2.1	2.0	1.9	1.9			

Maximum Hourly Wind Speed: 13.6 **Minimum Hourly Wind Speed:** 0.0 **Average Monthly Wind Speed:** 3.0

Maximum 24-Hour Mean: 6.7 **Minimum 24-Hour Mean:** 1.3

Total Number of Observations: 738 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

MARCH 2010

WIND DIRECTION (degrees)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
03/01/10	277	259	264	245	111	205	183	155	107	110	85	216	264	246	275	242	262	282	269	179	170	144	116	97
03/02/10	105	142	100	82	57	67	62	65	75	80	94	116	120	129	141	142	146	188	236	264	134	260	207	194
03/03/10	196	200	108	250	275	186	167	152	128	64	234	115	210	268	302	270	261	197	269	263	168	192	174	140
03/04/10	144	150	139	172	149	120	113	146	137	200	229	230	225	232	215	215	203	197	237	273	277	268	270	269
03/05/10	236	267	120	152	159	154	136	120	119	109	113	128	117	144	160	255	226	275	277	138	127	134	116	127
03/06/10	154	140	128	135	117	96	113	118	113	109	97	120	133	145	137	200	248	212	227	210	214	231	232	224
03/07/10	234	226	228	243	242	243	243	202	120	106	131	148	218	215	209	207	215	221	192	179	199	197	164	249
03/08/10	261	217	68	196	227	96	151	205	207	212	214	196	199	172	197	247	102	234	265	277	86	184	139	0
03/09/10	0	116	152	137	62	105	117	109	174	191	200	195	193	185	94	314	334	94	172	51	82	154	188	43
03/10/10	145	251	246	280	258	236	208	73	85	206	226	231	239	223	214	194	98	162	110	58	292	358	268	134
03/11/10	340	215	254	269	282	343	194	88	83	263	263	257	263	265	269	259	269	263	261	276	271	315	278	269
03/12/10	176	250	65	144	142	143	120	93	82	72	45	22	271	266	259	259	264	270	276	275	272	247	190	203
03/13/10	0	154	185	164	189	189	185	171	263	241	151	267	262	249	268	227	224	208	218	112	80	223	213	222
03/14/10	217	58	333	263	299	284	252	263	265	250	245	248	259	243	244	259	263	265	266	276	277	271	138	186
03/15/10	58	36	INV	INV	INV	INV	32	39	42	77	81	66	63	55	55	21	32	24	26	32	32	40	74	61
03/16/10	63	78	69	65	58	62	72	0	43	INV	INV	109	100	117	111	50	103	110	42	58	66	74	74	93
03/17/10	93	72	54	73	70	63	83	71	57	54	44	84	121	112	104	121	110	117	85	66	75	74	77	71
03/18/10	72	71	77	68	82	70	66	64	64	78	91	127	181	181	218	218	208	190	184	189	317	350	57	57
03/19/10	64	176	134	0	201	107	152	105	119	290	74	243	243	229	235	253	218	214	207	201	314	39	298	58
03/20/10	80	37	31	31	32	35	46	61	53	51	43	42	41	39	35	38	18	24	325	285	196	162	159	152
03/21/10	148	125	134	146	101	83	105	104	72	59	54	47	37	32	315	263	269	261	278	270	284	148	161	183
03/22/10	144	148	166	194	155	156	124	123	63	61	109	198	254	243	276	264	233	235	244	252	96	203	116	218
03/23/10	257	213	237	158	322	218	70	70	144	32	49	45	37	43	49	76	61	273	275	260	246	109	99	119
03/24/10	185	215	205	167	195	154	67	42	53	55	50	56	247	250	248	263	252	265	270	270	276	149	282	248
03/25/10	169	161	147	156	144	120	91	92	75	91	124	125	137	166	226	258	224	196	162	236	229	214	207	214
03/26/10	216	218	218	229	221	219	223	193	173	190	173	232	198	267	251	195	251	212	266	283	264	286	351	352
03/27/10	298	275	241	285	273	269	320	251	317	28	37	31	36	29	35	29	29	34	24	45	109	67	62	76
03/28/10	55	71	70	54	63	59	0	54	53	48	74	128	128	127	85	48	66	94	84	73	92	134	123	98
03/29/10	82	88	94	81	106	133	74	80	56	49	45	41	85	150	228	271	272	276	271	248	165	181	165	145
03/30/10	144	84	259	257	170	137	142	128	117	110	229	242	223	252	257	222	212	212	96	232	235	323	333	347
03/31/10	213	196	203	224	209	200	200	199	187	197	203	205	210	194	187	192	204	205	177	166	202	158	173	172
Hourly Averages	156	158	158	164	166	152	133	117	117	123	127	145	171	176	190	196	189	194	203	193	189	190	177	162

Total Number of Observations: 738 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

APPENDIX KC1-B

HOURLY SIGMA THETA DATA

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

JANUARY 2010

SIGMA THETA (degrees)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	9	15	13	12	12	10	15	22	20	25	37	11	13
01/02/10	21	19	18	18	21	14	17	22	22	18	14	16	14	25	87	22	15	9	56	31	50	28	24	22
01/03/10	25	20	24	31	21	21	27	16	38	17	13	15	19	20	15	13	11	24	16	11	11	13	13	11
01/04/10	21	21	31	28	13	16	13	12	13	12	12	11	10	10	10	11	10	12	18	13	16	16	16	16
01/05/10	12	11	11	13	11	10	18	21	22	15	14	14	12	11	11	30	15	41	28	16	22	35	39	35
01/06/10	22	21	29	15	17	17	23	14	26	24	17	35	57	27	40	31	14	16	37	18	17	22	18	19
01/07/10	26	33	23	20	21	21	32	19	18	21	15	13	21	41	19	21	18	33	37	36	37	39	24	11
01/08/10	22	14	19	12	15	18	19	16	18	17	11	11	11	11	11	12	14	17	16	17	14	14	25	14
01/09/10	16	19	18	17	17	18	16	14	12	13	16	16	16	13	14	17	13	19	17	21	17	22	21	20
01/10/10	18	20	16	20	15	19	15	16	18	15	14	16	19	16	15	12	17	19	20	19	20	23	20	11
01/11/10	7	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	11	26	16	31	10	11	11	11	13	19	20	18
01/12/10	20	20	17	14	20	17	15	17	14	15	13	12	12	9	10	10	11	13	18	21	17	19	19	18
01/13/10	22	18	19	18	20	24	22	19	20	15	20	35	40	24	45	67	44	39	17	31	31	83	70	60
01/14/10	67	34	39	37	39	27	35	32	34	19	22	22	48	25	20	36	23	40	27	33	42	9	15	12
01/15/10	12	10	11	10	11	10	0	0	0	0	0	16	21	19	13	24	19	37	49	35	23	21	25	12
01/16/10	19	13	17	23	20	13	14	23	18	18	16	17	18	26	23	23	18	43	26	23	15	21	19	27
01/17/10	26	39	23	32	15	8	24	14	15	13	14	26	32	66	31	37	47	47	12	11	19	18	17	14
01/18/10	16	15	35	31	24	22	15	19	33	33	21	21	16	38	23	47	23	58	56	26	23	43	37	37
01/19/10	32	38	71	23	81	63	33	21	17	17	18	18	20	20	30	37	17	21	19	38	34	26	30	0
01/20/10	81	38	28	33	45	52	60	27	23	18	22	25	36	34	38	32	22	40	14	27	48	15	13	14
01/21/10	13	14	45	17	14	INV	INV	INV	INV	INV	INV	14	18	17	18	18	17	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV

Total Number of Observations: 469 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

FEBRUARY 2010

SIGMA THETA (degrees)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	17	58	38	33	49	38	41	29	12	47	7	11	26	11
02/06/10	14	14	10	14	17	20	15	16	19	26	23	22	32	21	29	40	30	62	13	44	22	17	18	35
02/07/10	24	29	16	21	22	30	78	38	45	42	72	55	66	54	64	65	77	87	53	39	48	56	28	38
02/08/10	39	32	22	1	4	24	16	22	18	16	59	39	33	61	54	42	35	18	12	16	3	16	20	INV
02/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/16/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/17/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/18/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	90	75	77	64	58	56	75	30	16	39	31
02/19/10	4	9	17	11	3	9	0	9	14	36	30	29	38	54	61	43	50	40	23	22	23	16	17	12
02/20/10	15	17	19	12	13	27	15	20	32	31	47	34	31	30	23	35	31	74	38	17	20	24	33	36
02/21/10	21	14	10	11	19	19	20	19	17	25	27	27	28	60	68	70	93	56	85	65	42	23	35	23
02/22/10	2	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	28	42	25	17	19	14
02/23/10	15	15	36	56	13	11	11	12	28	17	15	17	16	20	18	19	20	23	22	20	32	46	18	26
02/24/10	18	34	30	22	22	19	20	19	15	15	15	24	23	21	57	53	40	41	39	19	21	45	29	23
02/25/10	23	21	19	18	16	19	16	19	16	23	28	32	32	53	51	49	65	54	31	20	21	54	34	33
02/26/10	21	29	10	10	10	11	11	22	21	15	17	20	16	18	17	12	20	42	43	22	21	18	19	20
02/27/10	17	10	15	13	19	15	17	21	14	18	15	23	16	17	15	13	18	24	45	18	30	30	18	21
02/28/10	20	26	35	30	48	76	39	22	21	20	18	18	33	64	87	64	50	31	36	35	16	48	25	23

Total Number of Observations: 319 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

MARCH 2010

SIGMA THETA (degrees)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
03/01/10	17	16	22	17	18	28	44	28	15	36	42	69	20	26	36	29	24	21	27	11	12	17	18	20
03/02/10	23	19	23	18	20	23	21	17	18	27	15	16	16	19	24	27	35	31	20	25	7	21	50	19
03/03/10	14	8	2	13	33	22	15	24	7	74	65	41	48	46	42	57	61	73	66	20	36	13	28	2
03/04/10	0	1	0	3	17	11	22	14	23	27	33	41	63	40	43	35	40	50	68	38	22	30	33	54
03/05/10	66	39	39	27	27	24	19	25	18	29	30	38	34	41	61	73	44	21	36	34	27	27	24	29
03/06/10	19	28	18	20	26	26	20	18	26	17	23	27	27	25	29	38	50	31	45	22	23	20	25	31
03/07/10	19	22	33	27	27	25	27	27	38	28	19	27	29	28	35	51	26	41	15	20	22	12	69	62
03/08/10	38	46	50	16	21	51	72	60	42	50	65	55	67	68	69	60	79	37	22	57	23	10	8	0
03/09/10	0	22	9	11	20	38	15	24	39	14	21	17	23	54	77	94	98	86	96	93	90	62	87	78
03/10/10	63	37	78	50	24	24	72	35	36	52	35	35	69	65	72	65	74	90	83	100	72	82	67	97
03/11/10	91	42	56	52	20	57	61	48	49	48	23	34	31	28	27	39	28	39	34	18	21	82	26	60
03/12/10	48	46	75	47	14	18	32	21	22	18	16	26	27	27	28	28	20	18	11	10	18	75	14	8
03/13/10	0	32	38	28	32	37	28	22	41	30	71	23	35	34	61	97	67	56	28	67	31	87	79	46
03/14/10	51	82	91	23	44	74	29	19	19	22	42	42	35	46	68	47	64	39	31	25	16	25	50	41
03/15/10	48	7	INV	INV	INV	INV	11	10	16	22	16	19	22	23	33	28	19	16	14	13	11	16	26	16
03/16/10	22	22	21	19	15	17	12	0	5	INV	INV	11	23	24	43	19	36	25	16	25	23	19	19	37
03/17/10	23	23	17	19	20	20	15	17	15	13	17	23	14	19	20	14	17	17	19	18	17	16	16	16
03/18/10	14	17	22	16	20	19	16	16	16	30	28	21	37	43	62	61	55	48	66	92	35	51	69	68
03/19/10	48	62	26	0	9	74	28	20	32	46	50	56	40	48	56	70	64	77	40	61	77	69	26	45
03/20/10	27	16	10	9	9	10	13	17	14	14	14	18	21	21	20	31	27	16	25	87	27	21	39	26
03/21/10	15	20	25	26	31	30	21	19	21	17	16	12	17	21	63	20	40	16	12	9	36	23	25	19
03/22/10	28	22	26	18	15	13	16	18	17	19	23	82	36	40	68	56	63	91	38	25	25	9	13	35
03/23/10	30	22	83	54	55	79	28	69	66	30	15	12	15	12	31	36	78	41	27	19	31	24	18	28
03/24/10	26	28	67	44	35	36	32	11	16	21	22	53	44	38	37	42	41	35	20	17	25	51	17	65
03/25/10	26	12	13	20	23	32	30	23	19	26	17	23	28	33	39	65	44	52	63	24	23	20	19	19
03/26/10	22	20	18	26	27	22	35	59	85	83	86	60	71	76	98	79	84	78	56	38	42	50	40	39
03/27/10	49	23	77	31	26	12	57	23	57	21	17	18	25	23	23	23	24	20	17	50	23	19	27	25
03/28/10	12	28	21	15	18	2	0	7	12	10	39	17	21	26	33	16	29	25	25	22	23	30	20	25
03/29/10	21	19	18	32	38	25	19	22	16	16	14	18	36	85	67	51	29	19	9	88	26	34	16	15
03/30/10	10	19	10	16	49	9	11	13	22	25	63	51	48	82	71	63	59	85	82	21	45	30	31	46
03/31/10	26	12	15	15	15	11	13	15	18	23	30	35	39	68	61	38	41	41	43	57	46	58	59	59

Total Number of Observations: 738 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

APPENDIX KC1-C

HOURLY DIFFERENTIAL TEMPERATURE DATA

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

JANUARY 2010

10-METER TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
01/01/10	5.5	5.0	4.9	4.6	4.7	4.7	4.7	5.0	5.9	6.8	7.7	8.9	10.2	10.9	11.9	11.8	11.6	11.2	10.7	10.4	9.9	9.4	9.8	9.4	11.9	4.6	8.1
01/02/10	8.9	8.7	8.8	8.6	8.2	8.2	7.5	7.2	7.8	9.4	10.1	11.6	12.8	14.4	16.0	15.2	14.1	12.9	11.7	11.5	11.1	10.3	9.7	9.3	16.0	7.2	10.6
01/03/10	9.3	8.4	7.5	7.8	6.5	6.6	7.8	6.8	7.7	9.0	9.6	10.7	11.8	13.0	13.7	13.8	13.6	12.6	12.2	11.6	10.7	10.3	9.9	9.6	13.8	6.5	10.0
01/04/10	9.1	8.5	7.8	7.5	7.8	7.3	7.1	7.0	7.2	7.9	9.3	10.4	11.7	13.0	13.4	13.7	13.0	11.6	10.8	10.8	10.9	10.6	10.4	9.9	13.7	7.0	9.9
01/05/10	9.5	9.0	8.7	8.4	8.1	7.6	7.1	7.1	7.7	8.6	9.6	10.9	11.9	13.1	14.0	14.6	14.2	12.5	11.2	10.4	10.2	10.5	10.5	9.7	14.6	7.1	10.2
01/06/10	9.0	8.5	8.8	8.1	6.5	6.2	5.8	5.4	6.8	10.3	12.2	13.0	14.0	14.1	14.2	13.9	12.8	12.0	11.2	10.8	10.8	10.3	10.2	9.6	14.2	5.4	10.2
01/07/10	8.4	7.8	7.2	7.1	7.5	7.7	7.6	8.1	7.9	9.2	10.4	11.2	12.5	13.9	13.7	13.8	13.3	12.5	11.7	11.1	10.5	10.1	10.7	10.3	13.9	7.1	10.2
01/08/10	9.1	8.4	7.5	7.2	6.4	5.7	4.9	4.6	5.1	5.5	6.1	6.6	7.2	8.9	9.9	10.0	9.2	7.8	7.0	6.7	7.1	6.7	6.3	6.0	10.0	4.6	7.1
01/09/10	5.5	4.7	4.3	3.9	3.4	3.1	2.9	2.1	3.0	3.9	5.5	7.0	8.4	9.7	10.6	11.3	11.4	9.9	8.5	8.4	7.9	8.3	8.2	7.8	11.4	2.1	6.6
01/10/10	7.4	7.3	6.9	7.1	6.9	6.4	6.5	6.3	6.6	7.3	8.0	8.8	10.0	10.8	11.2	10.9	10.4	9.7	9.4	9.3	9.1	9.1	9.0	9.1	11.2	6.3	8.5
01/11/10	8.7	8.4	8.4	8.2	7.9	7.5	7.1	6.8	7.6	8.1	9.1	10.7	12.4	13.8	14.6	14.8	13.8	12.7	12.4	12.3	12.0	11.1	10.5	10.3	14.8	6.8	10.4
01/12/10	9.5	8.8	8.5	8.5	8.1	8.0	7.8	7.3	8.1	9.1	10.2	11.4	12.5	13.6	14.6	15.1	14.8	13.4	12.3	12.3	11.9	11.9	11.0	10.7	15.1	7.3	10.8
01/13/10	10.1	10.6	10.7	10.1	8.6	8.7	8.7	9.0	9.0	9.6	11.9	13.3	13.8	14.1	14.5	14.5	14.1	13.2	12.4	12.0	10.0	11.0	10.8	9.6	14.5	8.6	11.3
01/14/10	5.4	4.9	4.8	4.8	4.3	3.6	2.9	3.1	4.5	6.0	7.1	8.4	9.3	10.1	11.2	11.7	11.7	11.0	10.0	9.3	9.0	8.7	8.5	8.7	11.7	2.9	7.5
01/15/10	8.5	7.9	7.6	7.6	7.7	7.6	7.3	6.3	7.3	8.3	9.9	11.0	12.2	13.4	14.1	14.7	14.6	14.0	13.1	11.2	11.3	10.1	8.9	7.9	14.7	6.3	10.1
01/16/10	7.6	7.3	7.2	6.9	6.9	6.9	7.0	7.3	8.5	9.6	11.2	12.3	12.8	12.9	13.2	13.4	13.6	12.4	11.3	9.9	9.4	9.5	10.1	9.6	13.6	6.9	9.9
01/17/10	10.8	9.8	9.2	8.8	8.3	7.9	6.7	7.3	6.2	7.1	8.3	10.0	11.3	12.2	12.3	12.4	12.3	11.9	11.3	11.1	10.8	11.0	10.8	10.6	12.4	6.2	9.9
01/18/10	9.6	8.3	8.6	8.6	8.5	8.4	8.8	9.2	7.4	6.5	6.6	8.0	8.4	8.7	9.0	8.8	7.7	7.8	8.6	8.1	7.4	7.8	10.2	8.1	10.2	6.5	8.3
01/19/10	6.9	7.3	8.2	9.4	7.0	5.2	4.7	4.6	5.3	5.7	6.8	7.9	8.7	9.5	10.0	10.4	10.4	9.8	9.9	9.9	7.3	7.6	7.1	6.4	10.4	4.6	7.7
01/20/10	4.2	5.5	5.0	4.5	3.6	3.6	3.8	3.6	3.5	3.8	4.5	5.4	6.6	7.1	8.0	8.4	8.8	8.3	7.3	6.7	7.4	7.8	9.1	8.6	9.1	3.5	6.1
01/21/10	8.3	8.0	6.5	6.6	6.4	7.4	7.7	8.0	8.1	7.9	7.9	8.2	8.3	8.5	8.8	9.3	9.9	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	8.2	7.8	7.5	7.3	6.8	6.6	6.4	6.3	6.7	7.6	8.7	9.8	10.8	11.7	12.3	12.5	12.1	11.4	10.6	10.2	9.7	9.6	9.6	9.1			

Maximum Hourly Temperature: 16.0 **Minimum Hourly Temperature:** 2.1 **Average Monthly Temperature:** 9.2

Maximum 24-Hour Mean: 11.3 **Minimum 24-Hour Mean:** 6.1

Total Number of Observations: 497 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

JANUARY 2010

2-METER TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
01/01/10	5.3	4.9	4.8	4.5	4.6	4.5	4.6	4.9	6.1	7.1	8.3	9.7	11.0	11.7	12.5	12.2	11.7	11.0	10.6	10.2	9.7	9.3	9.6	9.3	12.5	4.5	8.2
01/02/10	8.8	8.6	8.7	8.5	8.1	8.1	7.4	7.1	8.0	9.9	10.9	12.7	13.9	15.4	16.7	15.6	14.2	12.9	11.3	11.0	10.3	9.6	9.3	8.9	16.7	7.1	10.7
01/03/10	9.0	8.1	7.1	7.5	6.2	6.4	7.6	6.7	7.9	9.5	10.3	11.5	12.7	13.9	14.4	14.3	13.6	12.3	11.9	11.3	10.5	10.1	9.7	9.5	14.4	6.2	10.1
01/04/10	9.0	8.4	7.6	7.3	7.6	7.1	7.0	6.9	7.4	8.4	9.9	11.2	12.5	13.7	14.0	14.0	13.0	11.3	10.6	10.6	10.7	10.5	10.2	9.7	14.0	6.9	9.9
01/05/10	9.3	8.9	8.5	8.3	7.9	7.4	7.0	7.0	8.0	9.1	10.4	11.8	13.0	14.2	14.9	15.3	14.3	12.1	10.7	10.0	9.8	9.9	9.6	8.9	15.3	7.0	10.3
01/06/10	8.4	7.5	7.8	7.1	5.9	5.7	5.4	5.2	6.9	10.7	13.1	14.1	14.7	14.7	14.9	14.3	12.9	11.9	10.6	10.3	10.2	9.8	9.5	9.1	14.9	5.2	10.0
01/07/10	7.5	7.1	6.5	6.6	7.2	7.5	7.4	7.9	7.8	9.5	10.8	11.9	13.3	14.6	14.4	14.3	13.5	12.3	11.0	10.8	10.2	9.8	10.4	10.1	14.6	6.5	10.1
01/08/10	9.0	8.3	7.4	7.0	6.3	5.6	4.9	4.7	5.4	6.0	6.8	7.4	8.0	9.8	10.6	10.3	9.3	7.7	6.9	6.6	7.0	6.6	6.3	5.9	10.6	4.7	7.2
01/09/10	5.4	4.7	4.3	3.8	3.4	3.0	2.8	2.1	3.2	4.2	6.3	7.8	9.3	10.6	11.4	11.8	11.5	9.7	8.4	8.2	7.7	8.1	8.1	7.7	11.8	2.1	6.8
01/10/10	7.3	7.2	6.8	7.0	6.8	6.3	6.4	6.3	6.6	7.6	8.5	9.4	10.6	11.5	11.6	11.2	10.6	9.7	9.4	9.3	8.9	8.9	8.9	8.9	11.6	6.3	8.6
01/11/10	8.5	8.3	8.3	8.1	7.8	7.4	7.0	6.7	7.7	8.6	9.8	11.5	13.3	14.6	15.3	15.3	13.8	12.4	12.1	12.0	11.7	10.9	10.3	10.1	15.3	6.7	10.5
01/12/10	9.4	8.7	8.3	8.3	8.0	7.9	7.6	7.2	8.3	9.6	11.0	12.3	13.5	14.5	15.4	15.5	14.8	13.2	12.1	12.1	11.7	11.7	10.7	10.4	15.5	7.2	10.9
01/13/10	9.7	10.4	10.5	9.9	8.3	8.5	8.6	8.9	9.0	9.9	12.6	14.1	14.5	14.9	15.3	15.0	14.4	13.1	12.1	11.5	9.5	10.5	10.6	9.6	15.3	8.3	11.3
01/14/10	5.5	4.8	4.6	4.5	3.9	3.3	2.8	3.0	4.7	6.5	7.9	9.3	10.1	11.0	11.7	12.2	11.8	10.9	9.8	9.1	8.8	8.3	8.2	8.5	12.2	2.8	7.5
01/15/10	8.3	7.7	7.5	7.4	7.5	7.4	7.1	6.2	7.5	8.8	10.6	11.9	13.1	14.3	15.0	15.3	14.7	13.7	12.6	10.7	10.9	9.8	8.6	7.7	15.3	6.2	10.2
01/16/10	7.4	7.1	6.9	6.7	6.6	6.7	6.8	6.9	8.5	9.9	12.0	13.3	13.6	13.7	13.6	13.7	13.9	11.9	10.7	9.2	8.6	9.1	9.5	9.2	13.9	6.6	9.8
01/17/10	10.0	9.3	8.7	8.3	7.7	7.1	6.2	6.7	5.6	7.0	8.7	10.6	11.9	12.8	12.8	12.7	12.5	11.6	10.7	10.4	10.2	10.2	10.1	9.7	12.8	5.6	9.6
01/18/10	8.9	8.0	8.1	8.2	8.1	8.0	8.7	9.1	7.3	6.6	6.9	8.5	8.7	8.8	9.2	9.1	7.9	7.8	8.4	8.1	7.4	7.8	10.0	7.8	10.0	6.6	8.2
01/19/10	6.7	7.1	7.8	9.2	6.9	5.2	4.8	4.7	5.5	5.9	7.2	8.7	9.5	10.2	10.5	10.6	10.5	9.8	9.7	9.7	7.4	7.6	7.2	6.5	10.6	4.7	7.9
01/20/10	4.4	5.4	5.1	4.6	3.7	3.8	3.9	3.7	3.7	4.2	5.0	5.8	7.2	7.7	8.8	9.0	9.2	8.2	7.0	6.5	6.8	7.3	9.0	8.5	9.2	3.7	6.2
01/21/10	8.1	7.9	6.4	6.7	6.5	7.4	7.9	8.1	8.2	8.0	8.1	8.3	8.4	8.5	8.9	9.4	9.8	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	7.9	7.5	7.2	7.1	6.6	6.4	6.3	6.2	6.8	8.0	9.3	10.5	11.6	12.4	12.9	12.9	12.3	11.2	10.3	9.9	9.4	9.3	9.3	8.8			

Maximum Hourly Temperature: 16.7 **Minimum Hourly Temperature:** 2.1 **Average Monthly Temperature:** 9.2

Maximum 24-Hour Mean: 11.3 **Minimum 24-Hour Mean:** 6.2

Total Number of Observations: 497 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

JANUARY 2010

DIFFERENTIAL TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
01/01/10	0.162	0.082	0.081	0.103	0.130	0.126	0.104	0.067	-0.244	-0.332	-0.598	-0.762	-0.797	-0.749	-0.646	-0.369	-0.030	0.185	0.166	0.213	0.135	0.132	0.152	0.133	0.213	-0.797	-0.107
01/02/10	0.120	0.075	0.094	0.054	0.100	0.140	0.126	0.105	-0.220	-0.548	-0.822	-1.047	-1.085	-1.021	-0.741	-0.426	-0.122	0.081	0.392	0.574	0.775	0.696	0.405	0.314	0.775	-1.085	-0.083
01/03/10	0.303	0.244	0.387	0.265	0.236	0.257	0.186	0.153	-0.159	-0.468	-0.678	-0.841	-0.871	-0.884	-0.776	-0.472	-0.008	0.302	0.341	0.244	0.219	0.208	0.186	0.176	0.387	-0.884	-0.060
01/04/10	0.128	0.155	0.180	0.168	0.130	0.147	0.136	0.111	-0.216	-0.470	-0.648	-0.765	-0.825	-0.723	-0.619	-0.356	0.014	0.236	0.237	0.265	0.189	0.198	0.150	0.195	0.265	-0.825	-0.083
01/05/10	0.197	0.164	0.160	0.156	0.150	0.126	0.126	0.087	-0.224	-0.495	-0.750	-0.933	-1.081	-1.110	-0.936	-0.648	-0.108	0.402	0.495	0.371	0.474	0.615	0.891	0.793	0.891	-1.110	-0.045
01/06/10	0.601	1.056	1.011	0.934	0.658	0.485	0.397	0.254	-0.100	-0.468	-0.909	-1.028	-0.738	-0.588	-0.663	-0.449	-0.112	0.078	0.536	0.534	0.632	0.463	0.671	0.569	1.056	-1.028	0.159
01/07/10	0.914	0.738	0.752	0.419	0.328	0.146	0.186	0.244	0.088	-0.289	-0.431	-0.654	-0.815	-0.723	-0.701	-0.535	-0.118	0.192	0.675	0.382	0.282	0.298	0.288	0.228	0.914	-0.815	0.079
01/08/10	0.113	0.113	0.089	0.104	0.068	0.060	0.006	-0.041	-0.289	-0.506	-0.701	-0.827	-0.869	-0.856	-0.682	-0.275	-0.149	0.047	0.068	0.050	0.136	0.090	0.050	0.119	0.136	-0.869	-0.170
01/09/10	0.078	0.046	0.076	0.036	0.040	0.069	0.064	-0.001	-0.170	-0.311	-0.730	-0.839	-0.955	-0.932	-0.766	-0.506	-0.054	0.203	0.180	0.169	0.146	0.176	0.146	0.127	0.203	-0.955	-0.154
01/10/10	0.166	0.151	0.165	0.141	0.112	0.062	0.103	0.063	-0.054	-0.290	-0.527	-0.639	-0.666	-0.692	-0.451	-0.363	-0.112	-0.045	0.001	0.037	0.145	0.203	0.131	0.173	0.203	-0.692	-0.091
01/11/10	0.161	0.156	0.148	0.096	0.067	0.090	0.122	0.102	-0.167	-0.449	-0.687	-0.765	-0.912	-0.755	-0.696	-0.499	-0.020	0.316	0.340	0.323	0.343	0.214	0.201	0.179	0.343	-0.912	-0.087
01/12/10	0.133	0.114	0.141	0.150	0.135	0.152	0.141	0.112	-0.188	-0.490	-0.732	-0.876	-0.966	-0.959	-0.762	-0.467	-0.028	0.261	0.217	0.206	0.146	0.190	0.273	0.293	0.293	-0.966	-0.117
01/13/10	0.379	0.215	0.193	0.165	0.284	0.218	0.094	0.114	0.028	-0.232	-0.738	-0.760	-0.688	-0.818	-0.704	-0.511	-0.282	0.099	0.283	0.531	0.491	0.479	0.129	-0.015	0.531	-0.818	-0.044
01/14/10	-0.012	0.126	0.211	0.328	0.378	0.264	0.092	0.100	-0.181	-0.517	-0.770	-0.924	-0.811	-0.826	-0.502	-0.483	-0.093	0.163	0.203	0.185	0.234	0.397	0.256	0.158	0.397	-0.924	-0.084
01/15/10	0.222	0.174	0.141	0.143	0.183	0.194	0.221	0.118	-0.191	-0.482	-0.685	-0.831	-0.880	-0.924	-0.868	-0.609	-0.154	0.368	0.478	0.500	0.382	0.337	0.252	0.234	0.500	-0.924	-0.070
01/16/10	0.203	0.207	0.305	0.254	0.305	0.227	0.194	0.396	0.092	-0.273	-0.785	-1.007	-0.767	-0.720	-0.399	-0.309	-0.309	0.479	0.591	0.658	0.731	0.382	0.552	0.414	0.731	-1.007	0.059
01/17/10	0.800	0.577	0.538	0.440	0.590	0.780	0.451	0.622	0.592	0.031	-0.376	-0.575	-0.601	-0.603	-0.499	-0.320	-0.275	0.215	0.618	0.641	0.640	0.809	0.705	0.866	0.866	-0.603	0.278
01/18/10	0.704	0.263	0.435	0.444	0.321	0.388	0.146	0.100	0.067	-0.087	-0.290	-0.471	-0.269	-0.159	-0.178	-0.230	-0.200	0.024	0.210	0.000	-0.037	0.055	0.213	0.223	0.704	-0.471	0.070
01/19/10	0.126	0.190	0.357	0.213	0.067	0.006	-0.024	-0.090	-0.194	-0.223	-0.418	-0.723	-0.792	-0.770	-0.490	-0.252	-0.143	-0.008	0.143	0.200	-0.075	-0.054	-0.076	-0.125	0.357	-0.792	-0.131
01/20/10	-0.191	0.066	-0.042	-0.056	-0.095	-0.108	-0.126	-0.118	-0.144	-0.483	-0.464	-0.472	-0.560	-0.575	-0.808	-0.546	-0.393	0.107	0.219	0.264	0.622	0.472	0.104	0.076	0.622	-0.808	-0.135
01/21/10	0.159	0.060	0.048	-0.071	-0.084	-0.062	-0.113	-0.104	-0.110	-0.114	-0.117	-0.121	-0.085	-0.056	-0.067	-0.036	0.064	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	0.260	0.237	0.260	0.214	0.195	0.179	0.125	0.114	-0.094	-0.357	-0.612	-0.755	-0.763	-0.735	-0.617	-0.412	-0.125	0.185	0.320	0.317	0.331	0.318	0.284	0.257			

Maximum Hourly Differential Temperature: 1.056 **Minimum Hourly Differential Temperature:** -1.110

Total Number of Observations: 497 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

FEBRUARY 2010

10-METER TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	10.6	11.3	11.7	11.6	12.9	12.8	11.8	11.0	9.9	8.9	7.4	6.9	6.8	6.6	INV	INV	INV
02/06/10	6.7	6.7	7.1	6.9	6.9	6.5	5.5	5.4	7.2	10.3	11.6	12.1	12.6	12.8	13.7	13.5	12.6	11.4	10.3	9.2	10.2	11.0	10.7	9.2	13.7	5.4	9.6
02/07/10	8.1	7.4	7.4	7.1	6.3	5.8	4.7	3.6	3.3	4.2	5.2	6.4	6.7	6.4	7.3	7.0	6.9	6.2	5.4	4.8	4.4	3.6	3.8	4.2	8.1	3.3	5.7
02/08/10	3.8	3.0	2.8	3.0	2.4	2.0	2.1	2.2	3.8	5.4	5.3	5.5	6.1	7.4	8.2	7.2	7.0	6.5	5.4	5.2	4.0	3.0	2.7	INV	8.2	2.0	4.5
02/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/16/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/17/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/18/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	14.2	14.0	13.9	13.8	13.3	12.7	12.2	11.2	10.5	10.5	9.7	INV	INV	INV
02/19/10	9.5	9.3	9.0	8.7	8.6	8.1	8.1	7.9	8.3	9.9	11.9	12.7	13.6	14.2	14.6	15.1	15.2	15.1	14.5	13.7	13.1	12.7	12.0	11.0	15.2	7.9	11.5
02/20/10	10.4	9.6	9.2	9.2	8.8	8.3	7.7	6.8	6.5	6.4	5.6	4.3	3.3	3.6	3.8	4.0	4.7	5.0	5.0	5.1	5.1	4.9	4.8	4.9	10.4	3.3	6.1
02/21/10	5.0	5.3	5.3	5.3	5.2	5.2	5.0	5.2	4.9	5.1	5.2	5.8	6.1	6.1	5.6	6.0	5.5	5.9	5.6	6.2	6.1	6.3	5.9	5.9	6.3	4.9	5.6
02/22/10	5.7	5.5	5.7	5.1	4.9	4.6	4.2	4.3	4.5	4.2	3.9	3.7	3.9	2.5	3.1	3.7	3.9	3.7	1.6	0.4	0.2	1.1	1.2	0.7	5.7	0.2	3.4
02/23/10	0.3	0.0	-0.5	-1.1	-1.2	-1.0	-0.7	-0.3	0.1	0.8	2.2	3.7	4.7	5.9	6.8	7.5	7.8	7.7	6.9	5.2	4.8	3.8	3.5	3.6	7.8	-1.2	2.9
02/24/10	2.8	3.0	3.7	4.1	4.0	3.8	3.4	3.6	3.7	4.3	6.4	8.4	9.6	10.6	11.6	12.3	12.0	11.3	10.2	9.5	8.7	8.2	8.7	9.2	12.3	2.8	7.2
02/25/10	9.3	9.2	9.0	8.7	8.4	8.1	7.7	7.6	8.0	8.5	9.1	9.7	10.2	10.7	10.9	11.2	11.2	11.0	10.4	10.2	10.2	8.9	7.9	7.4	11.2	7.4	9.3
02/26/10	7.2	7.1	7.8	7.3	7.2	6.9	6.5	6.2	6.8	7.9	8.9	10.3	11.5	12.4	12.9	12.7	13.0	12.0	11.7	9.9	10.2	9.5	9.6	9.2	13.0	6.2	9.4
02/27/10	9.6	9.0	8.3	7.6	7.7	7.4	7.5	7.2	8.2	8.9	9.7	10.8	11.8	12.6	12.8	13.1	13.1	13.0	12.5	13.0	12.3	11.6	11.0	10.6	13.1	7.2	10.4
02/28/10	10.0	6.7	3.8	4.2	4.3	3.5	3.2	2.8	2.6	2.6	2.8	3.3	3.7	3.7	3.9	4.0	4.2	4.4	4.6	4.6	4.5	4.7	5.0	5.9	10.0	2.6	4.3
Hourly Averages	6.8	6.3	6.1	5.9	5.6	5.3	5.0	4.8	5.2	6.0	7.0	7.7	8.3	9.0	9.5	9.6	9.5	9.2	8.5	7.9	7.5	7.1	6.9	7.0			

Maximum Hourly Temperature: 15.2 **Minimum Hourly Temperature:** -1.2 **Average Monthly Temperature:** 6.9

Maximum 24-Hour Mean: 11.5 **Minimum 24-Hour Mean:** 2.9

Total Number of Observations: 336 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

FEBRUARY 2010

2-METER TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	11.6	12.2	12.5	12.2	13.7	13.5	12.1	11.2	9.6	8.4	7.0	6.7	6.3	5.9	INV	INV	INV
02/06/10	6.3	6.4	6.9	6.6	6.5	6.0	5.1	4.5	7.3	10.9	12.4	12.9	13.7	13.8	14.6	14.1	13.0	11.6	10.2	9.0	9.8	10.8	10.6	9.2	14.6	4.5	9.7
02/07/10	8.0	7.2	7.2	7.1	6.4	5.9	4.9	3.8	3.3	4.4	5.7	7.2	7.5	6.9	7.9	7.5	7.2	6.2	5.5	4.9	4.3	3.5	3.8	4.1	8.0	3.3	5.8
02/08/10	3.8	3.1	2.8	3.0	2.4	1.9	2.0	2.1	4.0	6.1	5.7	5.8	6.5	8.0	9.1	7.6	7.3	6.7	5.3	4.9	3.6	2.6	2.2	INV	9.1	1.9	4.6
02/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/16/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/17/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/18/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	15.1	14.8	14.6	14.3	13.5	12.6	12.1	10.8	10.0	9.6	9.2	INV	INV	INV
02/19/10	9.1	8.8	8.6	8.2	8.2	7.4	7.5	7.6	8.8	10.7	12.7	13.5	14.5	15.1	15.4	15.7	15.6	15.2	14.5	13.6	13.0	12.6	11.9	10.9	15.7	7.4	11.6
02/20/10	10.3	9.4	9.0	8.5	8.0	7.9	7.5	6.8	6.9	6.8	5.9	4.5	3.5	3.8	4.0	4.3	4.9	5.1	5.1	5.1	5.2	5.0	4.9	5.0	10.3	3.5	6.1
02/21/10	5.1	5.4	5.4	5.4	5.3	5.3	5.1	5.2	5.1	5.2	5.4	6.0	6.3	6.2	5.8	6.2	5.7	6.0	5.7	6.2	6.2	6.4	5.9	5.9	6.4	5.1	5.7
02/22/10	5.8	5.7	5.8	5.2	5.0	4.7	4.3	4.5	4.6	4.4	4.1	3.8	4.2	2.7	3.2	3.9	4.1	3.7	1.7	0.4	0.3	1.0	0.8	0.2	5.8	0.2	3.5
02/23/10	-0.2	-0.5	-0.8	-1.4	-1.6	-1.4	-1.1	-0.6	0.1	1.0	2.5	4.1	5.4	6.7	7.4	8.1	8.2	7.6	6.4	4.7	4.3	3.4	3.0	3.2	8.2	-1.6	2.9
02/24/10	2.6	2.7	3.5	3.9	3.9	3.7	3.4	3.6	3.8	4.7	7.4	9.5	10.5	11.5	12.5	13.0	12.4	11.4	10.1	9.4	8.3	7.9	8.3	8.7	13.0	2.6	7.4
02/25/10	9.1	9.1	9.0	8.7	8.4	8.1	7.7	7.6	8.2	8.8	9.7	10.4	11.0	11.5	11.6	11.7	11.6	11.2	10.4	10.2	10.2	8.4	7.4	7.0	11.7	7.0	9.5
02/26/10	6.9	6.8	7.5	7.0	6.9	6.6	6.3	6.3	7.2	8.6	9.7	11.3	12.3	13.6	13.8	13.3	13.3	12.1	11.3	9.7	9.9	9.0	9.3	8.7	13.8	6.3	9.5
02/27/10	8.7	8.5	7.8	7.1	7.1	7.0	7.2	7.0	8.1	9.1	9.9	11.1	12.2	12.9	13.1	13.5	13.4	13.0	12.2	12.6	12.1	11.5	10.8	10.5	13.5	7.0	10.3
02/28/10	9.9	6.8	3.9	4.3	4.4	3.6	3.3	3.0	2.8	2.8	3.0	3.6	3.9	3.9	4.1	4.2	4.3	4.6	4.7	4.7	4.6	4.8	5.3	5.8	9.9	2.8	4.4
Hourly Averages	6.6	6.1	5.9	5.7	5.5	5.1	4.9	4.7	5.4	6.4	7.6	8.3	8.9	9.6	10.1	10.1	9.8	9.3	8.4	7.7	7.3	6.9	6.7	6.7			

Maximum Hourly Temperature: 15.7 **Minimum Hourly Temperature:** -1.6 **Average Monthly Temperature:** 7.0

Maximum 24-Hour Mean: 11.6 **Minimum 24-Hour Mean:** 2.9

Total Number of Observations: 336 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

FEBRUARY 2010

DIFFERENTIAL TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	-1.020	-0.851	-0.795	-0.595	-0.861	-0.657	-0.351	-0.165	0.327	0.474	0.398	0.112	0.519	0.675	INV	INV	INV
02/06/10	0.396	0.288	0.253	0.301	0.354	0.450	0.433	0.895	-0.128	-0.550	-0.815	-0.882	-1.059	-0.908	-0.881	-0.611	-0.305	-0.125	0.066	0.178	0.402	0.181	0.081	0.005	0.895	-1.059	-0.083
02/07/10	0.070	0.261	0.236	-0.047	-0.108	-0.097	-0.156	-0.158	0.003	-0.185	-0.448	-0.787	-0.745	-0.465	-0.597	-0.493	-0.347	-0.017	-0.075	-0.024	0.016	0.181	0.077	0.058	0.261	-0.787	-0.160
02/08/10	0.038	-0.067	-0.027	0.070	0.047	0.141	0.125	0.120	-0.198	-0.703	-0.439	-0.308	-0.393	-0.608	-0.884	-0.445	-0.311	-0.141	0.085	0.308	0.377	0.363	0.483	INV	0.483	-0.884	-0.103
02/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/16/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/17/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/18/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	-0.953	-0.766	-0.634	-0.518	-0.137	0.079	0.100	0.357	0.479	0.874	0.518	INV	INV	INV
02/19/10	0.411	0.556	0.420	0.525	0.404	0.693	0.612	0.304	-0.464	-0.758	-0.719	-0.772	-0.905	-0.835	-0.749	-0.664	-0.422	-0.125	0.011	0.097	0.104	0.080	0.119	0.103	0.693	-0.905	-0.082
02/20/10	0.134	0.156	0.238	0.622	0.774	0.448	0.177	0.018	-0.346	-0.421	-0.278	-0.196	-0.220	-0.229	-0.226	-0.248	-0.184	-0.159	-0.077	0.023	-0.046	-0.081	-0.102	-0.112	0.774	-0.421	-0.014
02/21/10	-0.120	-0.110	-0.085	-0.090	-0.134	-0.129	-0.102	-0.075	-0.144	-0.162	-0.210	-0.154	-0.144	-0.151	-0.225	-0.200	-0.184	-0.082	-0.053	-0.030	-0.045	-0.072	-0.050	-0.063	-0.030	-0.225	-0.117
02/22/10	-0.106	-0.139	-0.057	-0.115	-0.118	-0.115	-0.149	-0.128	-0.114	-0.142	-0.166	-0.159	-0.259	-0.188	-0.170	-0.162	-0.165	-0.023	-0.063	-0.047	-0.056	0.088	0.422	0.501	0.501	-0.259	-0.068
02/23/10	0.488	0.465	0.319	0.324	0.352	0.376	0.406	0.286	-0.066	-0.248	-0.377	-0.479	-0.646	-0.784	-0.671	-0.588	-0.349	0.046	0.515	0.545	0.448	0.444	0.416	0.372	0.545	-0.784	0.066
02/24/10	0.204	0.314	0.224	0.159	0.109	0.107	0.083	-0.017	-0.113	-0.415	-0.919	-1.178	-0.915	-0.852	-0.834	-0.685	-0.382	-0.123	0.114	0.104	0.361	0.322	0.452	0.476	0.476	-1.178	-0.142
02/25/10	0.218	0.090	0.008	0.020	0.047	0.018	0.046	0.016	-0.170	-0.318	-0.605	-0.684	-0.792	-0.764	-0.638	-0.532	-0.413	-0.190	-0.040	0.034	0.081	0.505	0.484	0.352	0.505	-0.792	-0.134
02/26/10	0.386	0.290	0.347	0.345	0.287	0.234	0.206	-0.071	-0.392	-0.678	-0.828	-0.952	-0.793	-1.234	-0.870	-0.549	-0.297	-0.154	0.332	0.274	0.338	0.414	0.339	0.509	0.509	-1.234	-0.105
02/27/10	0.928	0.546	0.506	0.479	0.545	0.382	0.280	0.169	0.048	-0.216	-0.240	-0.364	-0.441	-0.320	-0.319	-0.331	-0.271	-0.001	0.319	0.376	0.147	0.127	0.244	0.109	0.928	-0.441	0.113
02/28/10	0.070	-0.077	-0.107	-0.108	-0.105	-0.133	-0.147	-0.166	-0.171	-0.199	-0.244	-0.262	-0.201	-0.170	-0.195	-0.190	-0.176	-0.144	-0.110	-0.114	-0.062	-0.154	-0.322	0.100	0.100	-0.322	-0.141
Hourly Averages	0.240	0.198	0.175	0.191	0.189	0.183	0.140	0.092	-0.173	-0.384	-0.522	-0.573	-0.593	-0.604	-0.592	-0.466	-0.312	-0.103	0.095	0.153	0.188	0.199	0.269	0.257			

Maximum Hourly Differential Temperature: 0.928 **Minimum Hourly Differential Temperature:** -1.234

Total Number of Observations: 336 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

MARCH 2010

10-METER TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
03/01/10	6.1	6.0	5.8	5.5	5.2	5.0	4.1	3.8	4.9	6.3	7.8	9.1	9.3	10.0	10.6	10.5	9.7	9.3	9.0	8.8	8.6	8.0	8.1	8.6	10.6	3.8	7.5
03/02/10	8.3	7.7	7.4	7.8	8.0	7.7	7.6	7.4	7.8	10.1	11.1	12.3	12.9	13.4	13.9	14.3	14.3	14.2	13.7	13.0	11.7	11.6	10.9	9.6	14.3	7.4	10.7
03/03/10	9.9	10.1	8.9	9.9	9.6	7.9	7.0	7.2	9.1	11.2	12.1	12.9	13.4	13.6	13.7	13.9	13.6	13.2	12.2	11.6	10.5	10.3	9.7	9.2	13.9	7.0	10.9
03/04/10	9.3	8.7	8.9	8.4	8.0	7.9	7.7	8.4	9.1	10.1	10.3	10.9	11.4	11.8	12.0	12.3	12.7	12.3	11.0	9.7	8.9	8.6	8.2	8.0	12.7	7.7	9.8
03/05/10	7.6	7.2	6.1	5.8	5.5	4.8	4.1	4.8	6.5	8.5	9.7	10.4	11.3	12.6	13.5	14.3	14.0	13.1	12.4	11.2	11.3	10.6	10.9	10.5	14.3	4.1	9.4
03/06/10	10.1	9.2	9.4	9.1	9.1	9.7	8.9	8.6	9.9	11.8	13.8	15.1	15.8	16.4	16.8	16.4	16.2	16.5	15.5	15.2	14.2	12.0	10.7	9.7	16.8	8.6	12.5
03/07/10	9.3	8.2	7.5	7.1	6.9	7.0	6.9	7.0	7.2	8.4	9.5	10.4	8.0	6.9	6.1	5.1	5.2	5.9	6.4	5.8	5.6	5.1	3.0	2.5	10.4	2.5	6.7
03/08/10	2.0	2.0	2.1	2.5	1.1	0.5	1.4	1.4	2.0	2.5	2.6	2.9	3.2	3.6	3.6	3.8	4.0	4.1	4.0	4.5	4.5	4.7	4.7	4.6	4.7	0.5	3.0
03/09/10	4.6	4.6	4.3	4.3	4.2	4.3	4.3	4.4	6.0	6.6	7.0	7.6	7.8	6.9	2.0	2.0	3.0	3.9	3.8	3.2	3.2	2.9	2.5	2.3	7.8	2.0	4.4
03/10/10	2.1	2.1	2.0	1.6	1.4	1.3	0.6	0.3	1.2	3.0	3.6	4.4	5.0	5.1	5.5	5.7	5.5	5.7	5.4	4.6	4.6	4.4	4.1	3.2	5.7	0.3	3.4
03/11/10	2.8	2.3	2.0	1.7	1.2	1.0	0.6	0.8	2.5	3.5	4.1	5.2	6.3	6.6	7.0	7.3	7.1	6.9	6.4	5.9	5.8	5.4	5.7	5.2	7.3	0.6	4.3
03/12/10	4.5	5.1	4.6	3.7	3.5	3.7	3.4	4.2	6.4	8.4	10.3	11.7	12.2	12.1	12.3	12.5	12.3	12.0	11.2	10.6	10.0	9.3	8.4	8.9	12.5	3.4	8.4
03/13/10	8.8	8.0	8.3	6.9	7.1	6.4	6.5	6.3	8.6	10.0	11.8	12.0	13.2	13.5	13.8	13.6	12.9	12.6	12.1	11.4	10.9	10.9	10.6	10.5	13.8	6.3	10.3
03/14/10	10.2	9.3	8.3	7.5	7.2	7.1	5.4	5.3	5.7	6.5	7.1	7.6	8.0	8.7	9.2	9.4	9.6	9.3	8.7	8.2	8.1	8.2	7.5	7.5	10.2	5.3	7.9
03/15/10	7.9	8.0	7.1	6.4	5.7	5.4	5.3	5.5	6.8	7.9	9.5	11.3	12.7	13.9	14.8	15.4	15.6	15.5	14.9	14.0	13.2	12.8	11.6	10.9	15.6	5.3	10.5
03/16/10	10.2	9.5	8.6	8.3	8.1	8.0	8.0	8.6	10.0	11.5	16.1	18.5	16.3	17.3	18.1	18.4	18.7	18.3	17.0	15.5	14.7	14.1	13.9	12.5	18.7	8.0	13.3
03/17/10	12.2	11.3	11.1	10.6	10.2	10.1	9.7	10.7	12.7	14.2	15.7	17.9	18.8	19.7	20.8	21.3	21.3	20.8	19.1	17.5	16.7	16.5	16.1	15.4	21.3	9.7	15.4
03/18/10	14.5	13.7	12.7	12.7	12.3	11.6	11.3	12.5	14.9	16.4	17.8	18.5	19.0	19.4	19.0	18.8	18.7	18.6	17.5	16.2	15.4	14.4	13.5	12.9	19.4	11.3	15.5
03/19/10	12.2	11.9	11.4	11.0	11.3	10.6	10.2	9.8	11.6	11.9	9.8	12.5	12.8	13.8	14.0	14.1	13.8	14.0	13.7	13.4	13.0	13.0	13.0	11.0	14.1	9.8	12.2
03/20/10	9.6	9.5	8.8	7.9	7.4	7.3	6.6	6.6	7.5	8.3	9.2	10.4	11.4	12.1	12.8	13.3	13.6	13.5	13.1	11.8	10.8	9.6	8.9	10.2	13.6	6.6	10.0
03/21/10	9.0	7.8	7.7	7.1	7.7	8.3	8.1	8.8	10.4	12.1	13.4	14.7	16.2	17.3	18.0	17.1	17.0	16.6	15.9	15.0	14.2	13.1	13.5	13.6	18.0	7.1	12.6
03/22/10	12.4	13.3	12.3	11.3	10.9	10.9	9.9	10.7	14.2	15.8	16.8	17.3	17.9	18.5	18.5	18.5	18.0	17.3	16.6	16.2	15.4	14.7	13.6	14.3	18.5	9.9	14.8
03/23/10	15.5	15.0	13.2	12.9	13.3	11.8	9.7	8.9	7.7	7.5	7.1	7.7	8.0	8.1	8.3	8.8	9.1	8.9	8.6	8.2	8.1	7.4	6.4	5.6	15.5	5.6	9.4
03/24/10	5.6	6.4	6.8	6.2	6.4	6.0	5.5	7.1	8.3	9.2	10.2	11.2	11.7	12.1	12.5	13.0	13.0	12.7	12.2	11.9	11.7	10.4	11.3	9.7	13.0	5.5	9.6
03/25/10	8.8	8.1	8.6	8.8	8.1	8.6	8.7	9.4	11.4	13.4	13.8	14.7	15.5	16.5	17.0	17.5	17.3	16.7	15.6	15.3	15.6	15.6	15.3	15.0	17.5	8.1	13.1
03/26/10	14.5	14.0	13.6	12.3	11.8	10.7	9.6	9.2	9.0	9.1	9.4	10.0	11.0	11.7	12.2	12.8	13.0	12.9	12.3	11.5	10.8	10.5	10.1	9.8	14.5	9.0	11.3
03/27/10	9.9	10.0	9.3	10.7	8.7	8.3	8.3	8.7	9.6	9.7	10.2	11.2	12.0	12.8	13.3	13.7	13.9	13.9	13.6	12.6	11.1	10.3	10.0	9.0	13.9	8.3	10.9
03/28/10	8.0	7.6	7.3	7.6	7.5	7.2	7.3	9.1	10.3	11.5	13.8	15.1	16.2	17.0	17.9	18.1	18.3	18.2	16.9	14.8	13.9	14.0	13.0	13.1	18.3	7.2	12.7
03/29/10	12.8	13.2	12.3	12.5	11.8	10.2	11.2	12.0	13.9	15.5	17.1	18.5	19.7	20.6	21.4	20.8	20.5	19.8	19.0	17.9	16.9	16.5	15.6	15.6	21.4	10.2	16.0
03/30/10	14.9	15.5	16.3	16.4	14.4	13.2	12.4	12.8	15.7	17.0	18.5	19.3	20.1	20.4	20.8	21.4	21.6	21.2	20.5	20.1	19.7	19.2	18.7	18.0	21.6	12.4	17.8
03/31/10	17.9	17.0	16.7	16.1	15.7	15.5	15.2	15.5	16.0	16.6	17.6	18.5	19.1	19.3	19.4	20.1	20.2	19.6	18.5	17.0	15.4	13.9	12.8	12.2	20.2	12.2	16.9
Hourly Averages	9.4	9.1	8.7	8.4	8.0	7.7	7.3	7.6	8.9	10.1	11.2	12.3	12.8	13.3	13.5	13.7	13.7	13.5	12.8	12.0	11.4	10.9	10.4	10.0			

Maximum Hourly Temperature: 21.6 **Minimum Hourly Temperature:** 0.3 **Average Monthly Temperature:** 10.7

Maximum 24-Hour Mean: 17.8 **Minimum 24-Hour Mean:** 3.0

Total Number of Observations: 744 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

MARCH 2010

2-METER TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
03/01/10	6.0	5.9	5.8	5.4	5.2	4.8	3.8	3.8	5.5	7.1	8.1	9.9	9.8	10.6	11.3	11.0	10.0	9.5	9.0	8.7	8.1	7.6	7.7	8.3	11.3	3.8	7.6
03/02/10	8.0	7.4	7.0	7.4	7.7	7.5	7.4	7.2	8.0	10.6	11.7	12.9	13.5	14.1	14.6	15.0	14.7	14.3	13.1	12.5	11.3	10.8	10.0	9.2	15.0	7.0	10.7
03/03/10	9.3	9.5	8.2	8.9	8.8	7.4	6.6	7.0	9.3	11.8	12.8	14.0	14.3	14.4	14.5	14.6	14.3	13.4	12.2	11.4	10.0	9.8	9.0	8.6	14.6	6.6	10.8
03/04/10	8.9	8.4	8.4	8.1	7.5	7.6	7.0	7.9	9.6	10.6	10.9	11.7	12.1	12.6	12.7	12.8	13.0	12.5	11.0	9.8	8.9	8.6	8.2	8.0	13.0	7.0	9.9
03/05/10	7.7	7.2	5.7	5.5	5.1	4.4	3.7	4.6	7.1	9.4	10.7	11.5	12.5	13.8	14.5	15.2	14.6	13.4	12.3	10.9	10.9	10.1	10.4	10.0	15.2	3.7	9.6
03/06/10	9.6	8.8	9.0	8.8	8.6	9.3	8.4	8.3	9.9	12.1	14.5	16.0	16.7	17.4	17.7	16.9	16.7	16.7	15.5	15.1	14.2	12.1	10.8	9.8	17.7	8.3	12.6
03/07/10	9.4	8.4	7.7	7.3	7.1	7.1	7.0	7.1	7.5	9.0	10.1	10.8	8.2	7.1	6.2	5.3	5.3	5.7	6.3	5.8	5.6	5.2	3.2	2.6	10.8	2.6	6.9
03/08/10	2.1	2.4	2.4	2.7	1.2	0.6	1.5	1.5	2.2	2.7	2.8	3.1	3.4	3.8	3.8	4.0	4.3	4.6	4.6	4.9	4.6	4.7	4.7	4.6	4.9	0.6	3.2
03/09/10	4.7	4.7	4.2	4.2	4.2	4.4	4.4	4.6	6.3	7.0	7.5	7.9	8.1	7.1	2.2	2.2	3.2	4.0	3.8	3.2	3.3	2.9	2.6	2.4	8.1	2.2	4.5
03/10/10	2.2	2.2	2.0	1.6	1.4	1.0	0.4	0.2	1.7	3.7	4.4	5.1	5.7	5.7	6.1	6.1	5.8	5.9	5.4	4.7	4.7	4.5	4.2	3.4	6.1	0.2	3.7
03/11/10	2.9	2.4	2.0	1.7	1.2	0.9	0.3	0.8	3.1	4.0	4.7	6.1	7.1	7.4	7.8	8.1	7.8	7.3	6.5	6.0	5.8	5.2	5.5	4.9	8.1	0.3	4.6
03/12/10	4.1	4.5	4.1	3.2	3.1	3.3	3.2	4.4	6.9	9.2	11.5	12.9	13.0	12.9	13.1	13.3	12.8	12.4	11.2	10.5	9.8	8.8	7.9	8.5	13.3	3.1	8.5
03/13/10	8.1	7.4	7.4	6.0	6.5	5.8	6.0	6.3	8.8	10.5	12.6	12.7	14.0	14.4	14.7	14.2	13.4	12.9	12.1	11.4	10.7	10.8	10.5	10.4	14.7	5.8	10.3
03/14/10	10.2	9.2	8.2	7.4	7.1	6.9	5.3	5.3	6.0	7.1	7.8	8.5	8.9	9.6	10.1	10.2	10.2	9.7	8.8	8.2	8.1	8.1	7.3	7.1	10.2	5.3	8.1
03/15/10	7.6	7.7	6.9	6.3	5.6	5.3	5.2	5.6	7.3	8.5	10.2	12.2	13.8	15.2	15.9	16.4	16.4	15.7	14.6	13.7	13.0	12.5	11.4	10.7	16.4	5.2	10.7
03/16/10	9.9	9.3	8.5	8.2	8.0	7.9	7.9	8.8	10.5	12.3	13.5	17.8	19.0	18.9	19.2	19.4	19.3	18.5	16.7	15.1	14.4	13.9	13.7	12.2	19.4	7.9	13.4
03/17/10	11.9	11.0	10.8	10.5	10.1	10.0	9.6	10.9	13.2	15.0	16.7	18.8	19.7	20.7	21.5	21.9	21.7	20.8	18.9	17.1	16.3	15.9	15.6	15.0	21.9	9.6	15.6
03/18/10	14.2	13.3	12.3	12.4	12.0	11.3	11.0	12.6	15.4	17.3	18.7	19.5	20.1	20.3	19.9	19.5	19.3	18.8	17.5	16.1	15.3	14.1	12.9	12.4	20.3	11.0	15.7
03/19/10	11.8	11.3	11.0	10.5	10.8	10.1	9.7	9.6	12.1	12.1	10.0	13.3	13.7	14.8	14.8	14.8	14.3	14.2	13.8	13.4	13.0	12.8	12.7	10.8	14.8	9.6	12.3
03/20/10	9.5	9.3	8.6	7.8	7.2	7.1	6.5	6.9	8.1	9.1	10.3	11.7	12.8	13.6	14.1	14.3	14.3	13.7	12.9	11.5	10.3	9.1	8.4	9.4	14.3	6.5	10.3
03/21/10	8.3	7.3	7.2	6.6	7.5	8.1	8.0	8.9	10.9	13.0	14.4	16.0	17.7	18.8	19.0	17.8	17.5	16.9	15.8	15.0	14.0	12.6	12.9	12.9	19.0	6.6	12.8
03/22/10	11.9	12.4	11.6	10.8	10.3	10.4	9.5	10.7	14.8	16.9	17.7	18.1	18.7	19.4	19.3	19.3	18.4	17.5	16.5	16.0	15.0	14.1	13.1	13.6	19.4	9.5	14.8
03/23/10	15.1	14.5	13.0	12.5	12.8	11.8	9.8	8.9	7.9	7.7	7.3	8.0	8.2	8.4	8.7	9.1	9.4	9.0	8.7	8.1	8.0	7.2	6.3	5.3	15.1	5.3	9.4
03/24/10	5.4	5.8	5.9	5.5	5.7	5.4	5.2	7.0	8.8	10.1	11.4	12.4	12.6	12.9	13.4	13.7	13.4	12.9	12.3	11.9	11.6	10.0	10.9	9.2	13.7	5.2	9.7
03/25/10	8.0	7.5	8.1	8.1	7.4	7.9	8.3	9.6	11.9	14.2	14.7	15.8	16.6	17.5	18.0	18.2	17.8	17.0	15.6	14.7	14.9	15.1	14.7	14.6	18.2	7.4	13.2
03/26/10	14.1	13.7	13.4	12.1	11.7	10.6	9.5	9.5	9.4	9.8	10.1	10.8	11.8	12.6	12.9	13.5	13.5	13.2	12.4	11.5	10.8	10.4	9.9	9.5	14.1	9.4	11.5
03/27/10	9.4	9.2	8.4	10.5	8.5	7.8	7.6	8.6	10.0	10.7	11.6	12.7	13.5	14.2	14.7	14.7	14.7	14.3	13.4	12.3	10.8	9.9	9.5	8.6	14.7	7.6	11.1
03/28/10	7.5	7.2	7.1	7.3	7.3	7.1	7.2	9.3	10.8	12.4	14.9	16.2	17.3	18.1	19.0	19.2	19.0	18.3	16.7	14.6	13.5	13.2	12.4	12.4	19.2	7.1	12.8
03/29/10	12.4	12.8	12.0	12.2	11.5	9.9	11.0	12.2	14.6	16.5	18.5	20.0	20.9	21.7	22.2	21.5	21.0	20.0	19.0	17.5	16.2	15.8	14.9	15.1	22.2	9.9	16.2
03/30/10	14.5	14.8	15.3	15.7	13.8	12.4	11.7	12.9	16.3	17.9	19.2	20.1	21.0	21.3	21.7	22.2	22.1	21.5	20.3	19.5	19.4	18.7	18.2	17.6	22.2	11.7	17.8
03/31/10	17.3	16.6	16.3	15.9	15.5	15.3	15.0	15.6	16.4	17.3	18.4	19.3	20.0	20.0	20.1	20.7	20.6	19.9	18.6	17.0	15.5	14.0	12.9	12.3	20.7	12.3	17.1
Hourly Averages	9.1	8.8	8.3	8.1	7.8	7.4	7.0	7.6	9.4	10.8	11.9	13.1	13.7	14.2	14.3	14.4	14.1	13.7	12.8	11.9	11.2	10.6	10.1	9.7			

Maximum Hourly Temperature: 22.2 **Minimum Hourly Temperature:** 0.2 **Average Monthly Temperature:** 10.8

Maximum 24-Hour Mean: 17.8 **Minimum 24-Hour Mean:** 3.2

Total Number of Observations: 744 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

MARCH 2010

DIFFERENTIAL TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
03/01/10	0.030	0.060	-0.011	0.113	0.029	0.198	0.296	0.000	-0.580	-0.779	-0.346	-0.710	-0.459	-0.614	-0.683	-0.480	-0.262	-0.169	-0.006	0.170	0.459	0.389	0.313	0.275	0.459	-0.779	-0.115
03/02/10	0.301	0.302	0.389	0.358	0.263	0.205	0.204	0.114	-0.166	-0.518	-0.526	-0.543	-0.621	-0.703	-0.775	-0.707	-0.364	-0.135	0.585	0.456	0.419	0.817	0.869	0.404	0.869	-0.775	0.026
03/03/10	0.578	0.593	0.613	0.961	0.726	0.424	0.463	0.190	-0.267	-0.627	-0.694	-1.055	-0.899	-0.843	-0.800	-0.766	-0.630	-0.257	-0.037	0.185	0.493	0.521	0.749	0.558	0.961	-1.055	0.007
03/04/10	0.381	0.271	0.488	0.370	0.474	0.328	0.632	0.424	-0.443	-0.521	-0.620	-0.764	-0.727	-0.799	-0.659	-0.481	-0.384	-0.219	-0.056	-0.033	0.000	-0.039	-0.037	-0.052	0.632	-0.799	-0.103
03/05/10	-0.055	0.050	0.310	0.279	0.473	0.443	0.341	0.273	-0.624	-0.812	-0.945	-1.053	-1.192	-1.180	-0.996	-0.922	-0.597	-0.261	0.046	0.343	0.427	0.476	0.484	0.475	0.484	-1.192	-0.176
03/06/10	0.523	0.410	0.401	0.373	0.552	0.459	0.414	0.245	-0.007	-0.364	-0.655	-0.869	-0.895	-0.999	-0.899	-0.469	-0.480	-0.191	0.019	0.148	-0.010	-0.066	-0.100	-0.082	0.552	-0.999	-0.106
03/07/10	-0.095	-0.156	-0.152	-0.144	-0.166	-0.141	-0.101	-0.050	-0.268	-0.649	-0.584	-0.370	-0.141	-0.213	-0.141	-0.185	-0.105	0.157	0.098	-0.040	0.045	-0.087	-0.164	-0.176	0.157	-0.649	-0.159
03/08/10	-0.179	-0.385	-0.332	-0.117	-0.081	-0.081	-0.101	-0.096	-0.163	-0.200	-0.213	-0.271	-0.248	-0.209	-0.188	-0.209	-0.274	-0.540	-0.621	-0.352	-0.038	0.036	0.053	-0.006	0.053	-0.621	-0.201
03/09/10	-0.015	-0.006	0.180	0.086	-0.057	-0.060	-0.074	-0.212	-0.326	-0.352	-0.506	-0.371	-0.285	-0.263	-0.169	-0.185	-0.207	-0.132	-0.069	-0.024	-0.027	-0.082	-0.096	-0.092	0.180	-0.506	-0.139
03/10/10	-0.093	-0.081	-0.069	-0.042	0.058	0.295	0.205	0.092	-0.534	-0.667	-0.770	-0.710	-0.669	-0.571	-0.568	-0.413	-0.253	-0.250	-0.058	-0.044	-0.084	-0.075	-0.065	-0.112	0.295	-0.770	-0.228
03/11/10	-0.096	-0.091	-0.050	-0.051	-0.045	0.191	0.335	-0.068	-0.629	-0.572	-0.641	-0.847	-0.834	-0.781	-0.788	-0.785	-0.626	-0.365	-0.073	-0.018	0.017	0.167	0.195	0.264	0.335	-0.847	-0.258
03/12/10	0.372	0.596	0.494	0.495	0.404	0.326	0.217	-0.148	-0.557	-0.807	-1.200	-1.192	-0.713	-0.753	-0.853	-0.834	-0.537	-0.357	-0.044	0.019	0.173	0.485	0.543	0.447	0.596	-1.200	-0.143
03/13/10	0.696	0.551	0.857	0.914	0.554	0.572	0.546	0.029	-0.209	-0.459	-0.824	-0.696	-0.819	-0.928	-0.837	-0.643	-0.521	-0.302	0.011	0.049	0.225	0.119	0.118	0.065	0.914	-0.928	-0.039
03/14/10	-0.001	0.035	0.071	0.058	0.193	0.105	0.105	-0.027	-0.242	-0.541	-0.660	-0.903	-0.861	-0.928	-0.881	-0.777	-0.581	-0.348	-0.049	0.004	0.034	0.092	0.194	0.448	0.448	-0.928	-0.227
03/15/10	0.352	0.273	0.193	0.078	0.067	0.101	0.071	-0.151	-0.425	-0.633	-0.747	-0.926	-1.124	-1.238	-1.097	-1.044	-0.791	-0.221	0.286	0.299	0.240	0.232	0.192	0.244	0.352	-1.238	-0.240
03/16/10	0.311	0.194	0.099	0.126	0.136	0.109	0.052	-0.193	-0.507	-0.770	2.603	0.669	-2.702	-1.595	-1.042	-0.992	-0.549	-0.127	0.364	0.317	0.289	0.290	0.223	0.240	2.603	-2.702	-0.102
03/17/10	0.290	0.253	0.331	0.158	0.161	0.183	0.127	-0.181	-0.477	-0.757	-0.960	-0.911	-0.942	-0.957	-0.741	-0.592	-0.340	-0.043	0.204	0.356	0.459	0.665	0.563	0.383	0.665	-0.960	-0.115
03/18/10	0.307	0.401	0.408	0.309	0.284	0.377	0.294	-0.143	-0.559	-0.863	-0.952	-1.032	-1.144	-0.987	-0.905	-0.689	-0.579	-0.241	0.008	0.076	0.093	0.342	0.605	0.519	0.605	-1.144	-0.170
03/19/10	0.433	0.641	0.462	0.509	0.517	0.483	0.539	0.224	-0.538	-0.221	-0.259	-0.831	-0.844	-0.953	-0.859	-0.747	-0.495	-0.262	-0.045	0.020	0.044	0.158	0.323	0.186	0.641	-0.953	-0.063
03/20/10	0.147	0.206	0.177	0.125	0.164	0.170	0.079	-0.265	-0.613	-0.839	-1.117	-1.312	-1.432	-1.469	-1.306	-1.033	-0.754	-0.233	0.128	0.275	0.547	0.532	0.536	0.818	0.818	-1.469	-0.270
03/21/10	0.714	0.496	0.553	0.490	0.223	0.197	0.161	-0.163	-0.506	-0.842	-1.034	-1.338	-1.482	-1.470	-1.073	-0.689	-0.496	-0.240	0.046	0.051	0.192	0.571	0.617	0.704	0.714	-1.482	-0.180
03/22/10	0.500	0.866	0.758	0.514	0.620	0.500	0.403	0.005	-0.607	-1.057	-0.989	-0.782	-0.819	-0.867	-0.796	-0.789	-0.376	-0.183	0.038	0.193	0.320	0.656	0.518	0.626	0.866	-1.057	-0.031
03/23/10	0.385	0.524	0.155	0.418	0.460	0.033	-0.051	-0.026	-0.142	-0.106	-0.214	-0.310	-0.260	-0.265	-0.408	-0.294	-0.276	-0.158	-0.068	0.088	0.111	0.259	0.057	0.254	0.524	-0.408	0.007
03/24/10	0.197	0.601	0.821	0.703	0.685	0.591	0.305	0.113	-0.535	-0.920	-1.127	-1.184	-0.910	-0.819	-0.878	-0.748	-0.475	-0.211	-0.031	-0.021	0.070	0.374	0.338	0.482	0.821	-1.184	-0.107
03/25/10	0.729	0.603	0.472	0.775	0.741	0.696	0.460	-0.138	-0.542	-0.797	-0.910	-1.083	-1.056	-1.015	-0.917	-0.728	-0.489	-0.274	0.016	0.548	0.649	0.493	0.567	0.413	0.775	-1.083	-0.033
03/26/10	0.383	0.304	0.156	0.243	0.175	0.150	0.085	-0.231	-0.407	-0.682	-0.774	-0.783	-0.858	-0.884	-0.696	-0.655	-0.451	-0.250	-0.071	-0.053	-0.010	0.071	0.188	0.386	0.386	-0.884	-0.194
03/27/10	0.525	0.765	0.947	0.214	0.187	0.544	0.678	0.064	-0.457	-0.936	-1.366	-1.522	-1.461	-1.444	-1.379	-1.003	-0.803	-0.365	0.195	0.243	0.326	0.460	0.530	0.377	0.947	-1.522	-0.195
03/28/10	0.437	0.390	0.199	0.250	0.116	0.108	0.078	-0.237	-0.561	-0.897	-1.085	-1.034	-1.123	-1.056	-1.091	-1.047	-0.671	-0.179	0.203	0.282	0.438	0.757	0.549	0.651	0.757	-1.123	-0.188
03/29/10	0.387	0.377	0.327	0.318	0.302	0.307	0.198	-0.175	-0.637	-1.027	-1.411	-1.532	-1.212	-1.151	-0.867	-0.673	-0.470	-0.216	-0.013	0.383	0.694	0.650	0.698	0.574	0.698	-1.532	-0.174
03/30/10	0.398	0.703	0.929	0.760	0.600	0.802	0.719	-0.117	-0.608	-0.840	-0.785	-0.833	-0.921	-0.942	-0.812	-0.812	-0.559	-0.276	0.177	0.591	0.346	0.481	0.480	0.478	0.929	-0.942	-0.002
03/31/10	0.592	0.383	0.340	0.221	0.253	0.188	0.175	-0.016	-0.383	-0.647	-0.801	-0.783	-0.901	-0.690	-0.646	-0.579	-0.435	-0.261	-0.077	-0.074	-0.090	-0.125	-0.094	-0.085	0.592	-0.901	-0.189
Hourly Averages	0.304	0.327	0.339	0.318	0.293	0.284	0.253	-0.028	-0.436	-0.668	-0.681	-0.835	-0.921	-0.890	-0.798	-0.676	-0.478	-0.229	0.036	0.143	0.221	0.310	0.321	0.312			

Maximum Hourly Differential Temperature: 2.603 **Minimum Hourly Differential Temperature:** -2.702

Total Number of Observations: 744 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

APPENDIX KC1-D

HOURLY TEMPERATURE DATA

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

JANUARY 2010

TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
01/01/10	4.9	4.4	4.3	4.0	4.1	4.1	4.1	4.5	5.7	6.6	7.6	9.0	10.3	11.0	12.0	11.7	11.3	10.5	10.1	9.8	9.2	8.7	9.1	8.8	12.0	4.0	7.7
01/02/10	8.3	8.2	8.2	8.0	7.6	7.6	6.9	6.6	7.8	9.6	10.4	12.1	13.3	15.4	16.9	15.4	13.9	12.3	10.8	10.4	9.7	9.2	8.9	8.5	16.9	6.6	10.2
01/03/10	8.5	7.7	6.6	7.1	5.7	5.9	7.1	6.3	7.6	9.1	9.7	10.9	12.2	13.4	14.0	14.0	13.3	11.9	11.4	10.9	10.0	9.6	9.2	9.0	14.0	5.7	9.6
01/04/10	8.5	7.9	7.2	6.9	7.2	6.7	6.6	6.4	7.0	7.8	9.3	10.5	11.8	13.0	13.4	13.6	12.7	10.9	10.1	10.1	10.2	10.0	9.7	9.2	13.6	6.4	9.4
01/05/10	8.8	8.4	8.1	7.9	7.5	7.0	6.5	6.6	7.6	8.7	9.8	11.2	12.3	13.6	14.5	15.5	14.3	11.7	10.2	9.5	9.3	9.4	9.2	8.5	15.5	6.5	9.8
01/06/10	8.0	7.1	7.4	6.8	5.5	5.2	4.9	4.8	6.8	10.7	13.0	13.8	14.7	14.4	14.7	14.2	12.4	11.4	10.1	9.8	9.7	9.3	9.1	8.6	14.7	4.8	9.7
01/07/10	7.1	6.6	6.0	6.2	6.7	7.0	6.9	7.4	7.4	9.2	10.4	11.4	13.1	14.6	14.1	14.1	13.1	11.9	10.5	10.3	9.7	9.4	9.9	9.6	14.6	6.0	9.7
01/08/10	8.5	7.8	7.0	6.6	5.8	5.2	4.4	4.2	4.9	5.5	6.0	6.6	7.2	9.0	10.0	9.8	9.0	7.2	6.5	6.2	6.5	6.1	5.8	5.4	10.0	4.2	6.7
01/09/10	4.9	4.2	3.8	3.4	2.9	2.6	2.3	1.6	2.7	3.7	5.7	7.3	8.7	10.0	10.9	11.6	11.4	9.3	7.8	7.7	7.2	7.6	7.6	7.2	11.6	1.6	6.3
01/10/10	6.8	6.7	6.3	6.5	6.3	5.8	6.0	5.8	6.1	7.1	7.9	8.8	10.1	11.0	11.1	10.7	10.1	9.2	8.8	8.7	8.4	8.4	8.4	8.5	11.1	5.8	8.1
01/11/10	8.1	7.8	7.8	7.6	7.3	6.9	6.5	6.2	7.2	8.0	9.2	10.8	12.6	14.1	14.8	15.2	13.5	12.0	11.6	11.6	11.3	10.4	9.8	9.7	15.2	6.2	10.0
01/12/10	8.9	8.2	7.9	7.9	7.5	7.4	7.2	6.7	7.9	9.1	10.3	11.6	12.8	13.8	14.8	15.2	14.5	12.8	11.6	11.6	11.2	11.2	10.2	9.9	15.2	6.7	10.4
01/13/10	9.2	9.9	10.0	9.4	7.8	8.0	8.1	8.4	8.5	9.5	12.6	13.8	14.4	14.7	15.1	15.0	14.4	12.7	11.7	10.9	8.9	10.0	10.1	9.1	15.1	7.8	10.9
01/14/10	4.9	4.3	4.1	4.0	3.5	2.9	2.3	2.6	4.6	6.2	7.7	9.0	9.9	10.5	11.3	12.0	11.6	10.4	9.3	8.7	8.3	7.9	7.8	8.1	12.0	2.3	7.2
01/15/10	7.9	7.3	7.0	7.0	7.0	7.0	6.7	5.8	7.3	8.4	10.2	11.5	12.6	13.7	14.5	15.2	14.8	13.2	12.2	10.3	10.4	9.4	8.2	7.2	15.2	5.8	9.8
01/16/10	6.9	6.6	6.4	6.2	6.1	6.2	6.3	6.4	8.0	9.5	11.7	12.9	13.3	13.4	13.2	13.5	14.4	11.6	10.2	8.7	8.2	8.6	8.9	8.6	14.4	6.1	9.4
01/17/10	9.5	8.8	8.1	7.6	7.1	6.4	5.7	6.1	5.3	6.9	8.7	10.5	11.8	12.6	12.5	12.3	12.3	11.3	10.3	9.9	9.7	9.7	9.7	9.4	12.6	5.3	9.3
01/18/10	8.4	7.5	7.6	7.7	7.7	7.4	8.2	8.6	6.9	6.2	6.5	8.0	8.2	8.4	8.7	8.7	7.4	7.3	7.9	7.6	6.9	7.3	9.5	7.4	9.5	6.2	7.7
01/19/10	6.3	6.6	7.3	8.7	6.5	4.7	4.3	4.2	5.3	5.5	6.8	8.2	9.1	9.8	10.1	10.2	10.0	9.3	9.2	9.3	6.8	7.1	6.6	5.9	10.2	4.2	7.4
01/20/10	3.8	4.9	4.6	4.1	3.2	3.2	3.3	3.1	3.1	3.8	4.7	5.6	6.9	7.4	8.7	8.6	9.0	7.8	6.5	5.9	6.3	6.8	8.5	8.0	9.0	3.1	5.7
01/21/10	7.6	7.4	6.0	6.1	6.0	6.9	7.3	7.5	7.6	7.5	7.5	7.7	7.8	8.0	8.4	8.9	9.4	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	7.4	7.1	6.7	6.6	6.1	5.9	5.8	5.7	6.4	7.5	8.8	10.0	11.1	12.0	12.5	12.6	12.0	10.7	9.8	9.4	8.9	8.8	8.8	8.3			

Maximum Hourly Temperature: 16.9 **Minimum Hourly Temperature:** 1.6 **Average Monthly Temperature:** 8.8

Maximum 24-Hour Mean: 10.9 **Minimum 24-Hour Mean:** 5.7

Total Number of Observations: 497 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

FEBRUARY 2010

TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	10.6	11.0	11.1	11.1	12.1	12.2	11.5	10.7	9.7	8.9	7.9	7.8	7.4	6.9	INV	INV	INV
02/06/10	7.1	7.2	7.4	7.2	7.0	6.3	5.3	5.1	7.3	10.4	11.2	11.7	12.5	12.6	13.4	13.1	12.3	11.0	10.2	9.2	10.1	10.5	10.2	8.8	13.4	5.1	9.5
02/07/10	7.9	7.2	7.0	6.7	5.9	5.4	4.2	3.2	3.3	4.0	4.8	5.9	6.2	6.0	6.8	6.6	6.4	5.8	5.2	4.7	4.3	3.9	4.1	4.2	7.9	3.2	5.4
02/08/10	3.6	2.9	2.7	3.1	2.6	2.2	2.2	2.2	3.9	5.2	5.0	5.2	5.9	6.8	7.4	6.8	6.6	6.4	5.7	5.3	4.2	3.3	2.7	INV	7.4	2.2	4.4
02/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/16/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/17/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/18/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	15.0	14.6	14.4	14.3	13.3	12.2	11.6	10.4	9.5	9.1	8.6	INV	INV	INV
02/19/10	8.6	8.3	8.0	7.7	7.5	6.9	6.8	7.3	9.2	11.1	12.5	13.1	14.1	14.9	15.1	15.4	15.4	14.9	14.0	13.2	12.5	12.2	11.4	10.5	15.4	6.8	11.3
02/20/10	9.8	9.0	8.6	8.2	7.7	7.5	7.1	6.4	6.6	6.4	5.5	4.0	3.0	3.3	3.5	3.8	4.4	4.7	4.7	4.6	4.7	4.5	4.4	4.5	9.8	3.0	5.7
02/21/10	4.6	4.9	4.9	4.9	4.8	4.8	4.6	4.7	4.6	4.7	4.9	5.5	5.8	5.8	5.3	5.9	5.3	5.6	5.2	5.7	5.8	5.9	5.5	5.5	5.9	4.6	5.2
02/22/10	5.3	5.2	5.3	4.7	4.5	4.2	3.8	3.9	4.1	3.8	3.6	3.3	3.6	2.1	2.7	3.3	3.5	3.2	1.2	-0.1	-0.3	0.3	0.4	-0.1	5.3	-0.3	3.0
02/23/10	-0.5	-0.8	-1.2	-1.9	-1.9	-1.7	-1.4	-0.9	-0.1	0.7	2.2	3.7	4.9	6.2	7.0	7.8	8.1	7.5	5.8	4.2	3.9	2.9	2.6	2.8	8.1	-1.9	2.5
02/24/10	2.1	2.2	3.0	3.5	3.4	3.2	2.9	3.1	3.3	4.2	6.9	9.1	10.1	11.1	12.7	13.1	12.2	11.2	9.6	8.9	7.8	7.4	7.7	8.1	13.1	2.1	6.9
02/25/10	8.6	8.6	8.5	8.2	7.9	7.6	7.2	7.3	8.0	8.5	9.4	10.0	10.6	11.2	11.3	11.4	11.5	11.0	10.0	9.7	9.6	8.0	7.0	6.5	11.5	6.5	9.1
02/26/10	6.4	6.3	7.1	6.6	6.5	6.2	5.8	6.0	6.8	8.0	9.1	10.6	11.8	12.9	13.2	12.8	12.8	11.9	10.9	9.2	9.4	8.6	8.8	8.3	13.2	5.8	9.0
02/27/10	8.3	8.0	7.3	6.7	6.6	6.5	6.8	6.5	7.7	8.7	9.6	10.8	11.9	12.5	12.7	13.1	13.1	13.0	11.7	12.2	11.7	11.0	10.4	10.1	13.1	6.5	9.9
02/28/10	9.5	6.3	3.4	3.8	3.9	3.1	2.8	2.4	2.2	2.2	2.5	3.1	3.4	3.3	3.5	3.7	3.8	4.0	4.2	4.2	4.0	4.2	4.5	5.1	9.5	2.2	3.9
Hourly Averages	6.2	5.8	5.5	5.3	5.1	4.8	4.5	4.4	5.1	6.0	7.0	7.6	8.2	9.0	9.4	9.5	9.4	9.0	8.0	7.4	7.1	6.7	6.4	6.4			

Maximum Hourly Temperature: 15.4 **Minimum Hourly Temperature:** -1.9 **Average Monthly Temperature:** 6.6

Maximum 24-Hour Mean: 11.3 **Minimum 24-Hour Mean:** 2.5

Total Number of Observations: 336 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

MARCH 2010

TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
03/01/10	5.4	5.4	5.3	4.9	4.8	4.3	3.4	3.9	6.1	7.6	9.1	10.0	9.4	10.2	11.1	10.7	9.5	9.0	8.6	8.1	7.6	7.1	7.3	7.9	11.1	3.4	7.4
03/02/10	7.6	6.9	6.6	6.9	7.3	7.0	7.0	6.8	7.6	10.3	11.3	12.3	13.0	13.6	14.3	14.9	14.4	14.1	12.7	12.1	10.7	10.3	9.6	8.7	14.9	6.6	10.2
03/03/10	8.8	8.9	7.6	8.5	8.5	6.9	6.1	7.1	10.3	12.1	12.8	14.0	14.1	14.2	14.2	14.6	14.4	13.6	11.8	10.7	9.5	9.2	8.5	8.0	14.6	6.1	10.6
03/04/10	8.0	7.7	7.7	7.4	7.0	6.9	6.5	7.9	9.4	10.3	10.6	11.4	11.7	12.3	12.2	12.4	12.7	12.3	10.6	9.3	8.4	8.1	7.8	7.5	12.7	6.5	9.4
03/05/10	7.2	6.7	5.3	5.1	4.4	3.9	3.2	4.7	7.4	9.3	10.6	11.3	12.2	13.6	14.6	15.5	14.6	13.2	11.9	10.5	10.3	9.6	9.9	9.6	15.5	3.2	9.4
03/06/10	9.1	8.4	8.5	8.3	8.1	8.8	8.0	7.9	9.6	12.1	14.5	15.8	16.4	17.0	17.4	16.5	16.7	16.4	15.0	14.6	13.7	11.6	10.3	9.4	17.4	7.9	12.3
03/07/10	8.9	7.9	7.1	6.8	6.6	6.6	6.5	6.7	7.3	9.0	9.7	10.3	7.7	6.5	5.7	4.8	4.9	5.4	5.9	5.3	5.1	4.7	2.6	2.1	10.3	2.1	6.4
03/08/10	1.7	1.9	1.9	2.1	0.7	0.2	1.1	1.0	1.7	2.2	2.3	2.6	2.9	3.3	3.2	3.5	3.8	4.0	4.1	4.4	4.1	4.3	4.3	4.2	4.4	0.2	2.7
03/09/10	4.3	4.3	3.7	3.8	3.8	3.9	3.9	4.4	6.1	6.5	7.0	7.4	7.5	6.6	1.6	1.5	2.8	3.6	3.3	2.7	2.8	2.4	2.1	1.9	7.5	1.5	4.1
03/10/10	1.7	1.7	1.5	1.1	0.9	0.5	0.0	-0.1	2.0	3.7	4.2	4.9	5.3	5.4	5.7	5.7	5.3	5.6	5.0	4.2	4.1	4.0	3.7	2.8	5.7	-0.1	3.3
03/11/10	2.4	1.9	1.5	1.3	0.8	0.4	-0.2	1.2	3.6	4.0	4.4	5.8	6.8	7.0	7.4	7.8	7.5	7.1	6.0	5.5	5.3	4.8	5.0	4.6	7.8	-0.2	4.2
03/12/10	3.6	4.0	3.6	2.7	2.6	2.9	2.7	4.2	7.0	9.0	11.0	12.4	12.6	12.4	12.7	13.1	12.5	12.2	10.8	10.1	9.4	8.4	7.4	7.9	13.1	2.6	8.1
03/13/10	7.6	6.9	7.0	5.4	5.9	5.2	5.5	6.7	9.2	10.4	12.9	12.3	13.6	14.2	14.5	14.2	13.4	12.9	11.7	10.9	10.2	10.3	10.1	10.0	14.5	5.2	10.0
03/14/10	9.8	8.8	7.8	7.0	6.6	6.5	4.9	5.0	5.7	6.7	7.6	8.1	8.5	9.3	9.9	10.1	10.2	9.5	8.3	7.7	7.6	7.6	6.9	6.7	10.2	4.9	7.8
03/15/10	7.2	7.3	6.5	5.9	5.1	4.9	4.7	5.1	6.7	8.0	9.7	11.6	13.1	14.5	15.5	16.0	16.1	15.5	14.2	13.3	12.6	12.1	11.0	10.3	16.1	4.7	10.3
03/16/10	9.5	8.9	8.1	7.8	7.6	7.5	7.4	8.4	9.9	11.6	14.0	15.5	16.9	17.8	18.9	19.1	19.2	18.5	16.4	14.7	13.9	13.4	13.2	11.8	19.2	7.4	12.9
03/17/10	11.5	10.6	10.4	10.0	9.6	9.5	9.1	10.5	12.8	14.5	16.0	18.5	19.2	20.2	21.1	21.5	21.5	20.7	18.5	16.6	15.8	15.4	15.1	14.6	21.5	9.1	15.1
03/18/10	13.7	12.9	11.8	11.9	11.5	10.8	10.5	12.4	15.3	17.0	18.5	19.3	19.7	20.1	19.7	19.4	19.2	18.7	17.0	15.7	14.8	13.7	12.4	11.9	20.1	10.5	15.3
03/19/10	11.2	10.6	10.3	9.9	10.1	9.6	9.1	9.5	12.5	11.9	10.0	13.5	13.6	14.7	14.6	14.6	14.1	14.1	13.3	12.9	12.5	12.3	12.2	10.4	14.7	9.1	12.0
03/20/10	9.0	8.9	8.2	7.4	6.8	6.7	6.1	6.4	7.5	8.5	9.5	10.9	12.0	12.8	13.4	13.9	14.1	13.5	12.5	11.1	9.7	8.7	7.8	8.8	14.1	6.1	9.8
03/21/10	7.9	6.8	6.7	6.1	7.0	7.6	7.5	8.5	10.5	12.5	13.8	15.2	17.0	18.3	19.1	17.5	17.3	16.5	15.4	14.5	13.5	12.1	12.4	12.5	19.1	6.1	12.3
03/22/10	11.4	11.9	11.1	10.3	9.9	9.9	9.1	10.5	14.7	16.9	17.7	18.3	18.5	19.2	19.2	19.3	18.2	17.2	16.1	15.5	14.3	13.5	12.5	12.8	19.3	9.1	14.5
03/23/10	14.4	14.0	12.6	12.0	12.4	11.3	9.4	8.5	7.5	7.2	6.9	7.6	7.8	8.0	8.5	9.0	9.3	8.7	8.2	7.7	7.5	6.7	5.9	5.0	14.4	5.0	9.0
03/24/10	5.0	5.5	5.7	5.4	5.5	5.0	4.8	6.7	8.6	9.8	11.0	12.0	12.4	12.6	13.1	13.5	13.2	12.6	11.8	11.4	11.1	9.6	10.5	8.9	13.5	4.8	9.4
03/25/10	7.6	7.1	7.6	7.6	6.9	7.5	7.9	9.4	11.9	14.1	14.4	15.4	16.2	17.1	17.7	18.2	17.9	17.0	15.1	14.1	14.5	14.6	14.3	14.2	18.2	6.9	12.8
03/26/10	13.7	13.3	13.0	11.6	11.2	10.1	9.1	9.3	9.3	9.6	9.9	10.5	11.6	12.3	12.5	13.2	13.2	12.9	11.9	11.0	10.3	10.0	9.4	9.0	13.7	9.0	11.2
03/27/10	9.0	8.6	7.9	10.1	8.1	7.1	7.2	8.4	9.8	10.0	10.9	11.9	12.7	13.5	14.1	14.1	14.3	14.1	13.1	11.9	10.1	9.3	8.9	8.2	14.3	7.1	10.5
03/28/10	7.1	6.8	6.7	6.9	6.8	6.7	6.8	8.8	10.3	11.7	14.3	15.6	16.7	17.6	18.6	18.7	18.7	18.5	16.4	14.1	13.0	12.6	12.0	11.9	18.7	6.7	12.4
03/29/10	12.0	12.4	11.5	11.7	11.1	9.5	10.6	11.8	14.2	16.0	17.8	19.4	20.8	21.7	22.4	21.6	20.8	19.6	18.5	17.1	15.7	15.3	14.3	14.4	22.4	9.5	15.8
03/30/10	13.5	14.1	14.7	15.2	13.3	11.7	11.2	12.9	16.3	17.8	19.2	20.1	20.7	21.1	21.5	22.3	22.1	21.8	20.0	18.9	18.5	18.0	17.7	17.0	22.3	11.2	17.5
03/31/10	16.8	16.2	15.9	15.5	15.0	14.8	14.6	15.1	15.9	16.8	18.0	18.8	19.6	19.6	19.7	20.3	20.2	19.5	18.0	16.5	15.0	13.5	12.4	11.7	20.3	11.7	16.6
Hourly Averages	8.6	8.3	7.9	7.6	7.3	6.9	6.6	7.4	9.2	10.5	11.6	12.7	13.2	13.8	14.0	14.1	13.9	13.5	12.3	11.4	10.7	10.1	9.6	9.2			

Maximum Hourly Temperature: 22.4 **Minimum Hourly Temperature:** -0.2 **Average Monthly Temperature:** 10.4

Maximum 24-Hour Mean: 17.5 **Minimum 24-Hour Mean:** 2.7

Total Number of Observations: 744 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

APPENDIX KC1-E

HOURLY RELATIVE HUMIDITY DATA

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

JANUARY 2010

RELATIVE HUMIDITY (%)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
01/01/10	32.2	32.5	33.0	32.2	32.3	31.0	31.1	28.5	25.9	25.4	22.8	19.4	17.5	17.0	17.6	19.4	20.5	22.0	22.4	22.1	23.3	21.7	22.5	24.0	33.0	17.0	24.8
01/02/10	26.1	26.6	26.6	26.9	26.7	27.3	27.9	29.8	25.1	24.6	22.7	21.3	18.2	15.4	17.2	20.0	22.1	23.8	26.6	28.7	28.4	31.0	30.2	28.8	31.0	15.4	25.1
01/03/10	28.8	31.4	32.4	34.6	31.8	31.4	31.9	32.2	25.0	24.6	24.3	21.7	20.9	18.3	15.9	14.5	14.9	18.1	20.7	23.6	20.4	19.5	22.2	19.6	34.6	14.5	24.1
01/04/10	20.9	22.3	26.0	24.6	27.8	29.4	29.8	29.4	28.5	27.3	24.6	23.5	22.2	20.2	20.1	20.4	24.0	24.1	25.2	26.9	29.1	29.9	30.8	32.9	32.9	20.1	25.8
01/05/10	33.8	36.3	37.8	38.4	38.9	40.7	41.8	39.8	37.2	32.8	30.7	29.5	28.1	26.6	24.1	25.3	28.7	33.0	33.0	32.8	34.4	34.9	33.1	35.3	41.8	24.1	33.6
01/06/10	39.9	42.1	39.6	45.9	50.4	49.9	51.7	47.9	34.7	30.5	30.0	24.4	25.8	26.6	25.9	28.8	30.9	33.0	36.9	36.0	38.2	34.0	33.6	36.9	51.7	24.4	36.4
01/07/10	47.4	47.6	46.7	46.0	43.5	40.3	38.8	39.1	36.8	30.1	29.7	28.5	19.5	23.5	24.0	24.5	24.0	28.8	25.1	27.4	28.8	31.3	29.4	35.7	47.6	19.5	33.2
01/08/10	39.5	40.8	43.5	43.6	44.9	47.4	45.9	44.8	40.0	39.8	36.5	35.3	33.4	33.1	30.7	31.9	32.8	34.8	35.1	34.1	33.5	33.7	34.4	36.4	47.4	30.7	37.7
01/09/10	39.4	42.2	42.3	42.2	43.8	43.2	44.1	43.9	42.9	38.8	32.7	30.7	27.6	24.8	22.7	20.4	21.6	28.3	27.3	27.9	28.1	26.3	27.8	29.4	44.1	20.4	33.3
01/10/10	31.4	33.3	31.9	31.9	32.0	32.4	31.4	31.2	29.0	28.4	27.6	25.6	21.5	21.1	21.7	22.9	24.9	26.2	24.8	25.9	26.0	27.4	27.6	28.0	33.3	21.1	27.7
01/11/10	29.2	29.5	28.4	28.7	28.1	29.5	29.3	28.2	26.7	24.6	21.8	19.7	19.4	15.2	13.9	15.1	17.9	15.7	15.2	15.8	17.2	18.7	20.1	21.4	29.5	13.9	22.0
01/12/10	20.7	21.3	20.5	21.0	20.6	20.8	21.9	21.8	20.3	19.3	19.4	17.9	18.1	15.8	17.0	16.6	16.1	18.0	19.2	19.4	19.6	20.9	21.5	22.7	22.7	15.8	19.6
01/13/10	22.7	21.4	22.3	23.7	28.3	26.8	25.2	26.1	25.5	23.7	20.4	20.9	19.2	19.2	18.3	18.5	19.4	22.9	22.6	25.5	26.9	27.1	34.3	75.7	75.7	18.3	25.7
01/14/10	82.5	83.3	81.2	82.9	85.7	91.7	93.3	86.1	72.0	65.1	61.6	53.0	54.4	49.9	46.7	42.8	45.1	43.8	47.2	46.7	48.0	52.5	49.9	47.2	93.3	42.8	63.0
01/15/10	50.0	51.9	53.5	52.4	50.9	51.9	54.0	56.6	50.4	44.9	38.3	36.7	32.6	29.2	26.6	26.9	30.0	28.8	36.4	41.3	32.5	39.3	41.3	42.5	56.6	26.6	41.6
01/16/10	43.1	44.3	45.2	44.4	43.9	44.5	44.9	41.4	36.0	32.8	31.7	30.9	32.9	27.9	26.0	26.1	27.3	38.0	40.9	40.3	37.5	36.1	34.5	35.6	45.2	26.0	36.9
01/17/10	32.8	34.9	40.8	38.6	42.8	44.8	40.9	47.2	43.3	40.5	35.4	26.6	26.8	25.6	22.7	22.7	24.2	28.6	28.4	26.4	28.9	27.3	28.1	27.9	47.2	22.7	32.8
01/18/10	32.6	33.5	33.6	33.3	38.7	32.6	32.8	33.4	65.0	73.3	59.2	62.8	64.7	61.8	54.9	67.6	71.2	63.9	61.1	67.9	69.3	60.0	70.1	82.3	82.3	32.6	55.2
01/19/10	81.2	79.2	57.4	49.8	78.8	92.5	96.8	97.2	92.2	85.3	76.7	69.2	68.3	61.5	53.0	55.3	52.8	59.4	58.2	84.4	96.4	94.1	99.5	100.0	100.0	49.8	76.6
01/20/10	80.9	87.1	86.7	93.3	99.6	100.0	100.0	100.0	100.0	87.2	86.1	74.0	72.9	56.9	60.0	46.7	51.4	60.4	64.7	60.4	59.4	54.3	65.6	65.5	100.0	46.7	75.5
01/21/10	70.5	82.9	93.4	96.4	98.0	97.2	99.3	96.6	96.3	95.8	95.2	95.1	94.1	94.3	88.9	84.7	86.4	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	42.2	44.0	43.9	44.3	47.0	47.9	48.2	47.7	45.4	42.6	39.4	36.5	35.1	32.6	30.8	31.0	32.7	32.6	33.6	35.7	36.3	36.0	37.8	41.4			

Maximum Hourly Humidity: 100.0 **Minimum Hourly Humidity:** 13.9

Total Number of Observations: 497 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

FEBRUARY 2010

RELATIVE HUMIDITY (%)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	60.9	52.6	53.5	50.9	47.2	49.1	51.8	59.0	61.6	69.3	68.3	72.4	70.4	66.8	INV	INV	INV
02/06/10	65.9	67.4	66.7	67.1	72.8	75.5	80.7	77.0	63.2	55.6	54.9	54.1	45.2	42.1	34.0	45.8	47.0	49.0	47.2	51.4	41.6	44.2	52.7	62.5	80.7	34.0	56.8
02/07/10	68.2	68.0	71.5	80.3	98.4	97.8	100.0	96.6	85.2	79.0	77.9	73.8	69.1	69.5	67.0	57.2	63.2	57.2	64.1	66.6	69.6	68.9	67.0	70.4	100.0	57.2	74.4
02/08/10	85.5	89.2	80.2	84.7	88.8	88.8	88.5	81.9	71.5	75.2	72.6	63.9	55.8	54.8	57.2	59.8	59.2	61.8	64.9	66.0	75.0	80.4	79.7	INV	89.2	54.8	73.3
02/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/16/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/17/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/18/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	31.6	31.4	29.9	30.1	33.0	35.8	37.3	44.1	42.3	49.8	46.3	INV	INV	INV
02/19/10	48.4	52.0	48.9	52.6	50.7	58.4	53.7	49.7	47.5	41.5	35.6	33.6	30.0	31.6	29.4	29.2	24.8	26.7	24.5	22.8	25.1	27.2	28.4	31.2	58.4	22.8	37.6
02/20/10	31.3	38.1	42.0	44.8	46.3	51.2	60.7	65.6	82.8	86.1	99.4	100.0	100.0	100.0	98.7	98.1	93.6	97.2	96.3	91.3	96.1	97.3	98.0	99.9	100.0	31.3	79.8
02/21/10	98.4	97.0	93.4	95.7	98.5	98.8	92.7	96.9	100.0	100.0	96.9	92.8	94.4	98.7	99.4	98.7	95.2	95.0	89.9	92.9	94.9	92.6	97.6	97.4	100.0	89.9	96.2
02/22/10	100.0	93.5	97.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.4	99.0	100.0	100.0	88.7	80.9	74.2	100.0	74.2	97.1
02/23/10	69.2	63.6	68.8	67.9	54.6	58.3	49.0	51.2	55.2	50.1	47.1	43.8	45.4	36.6	35.4	36.1	37.1	43.9	57.8	54.2	67.4	62.8	52.9	57.2	69.2	35.4	52.7
02/24/10	58.5	56.7	55.1	53.8	56.5	58.6	60.5	61.4	60.9	56.1	46.4	30.4	32.2	27.4	25.6	21.2	30.3	31.7	42.7	37.1	48.0	42.8	40.2	32.6	61.4	21.2	44.4
02/25/10	32.2	32.7	32.8	34.9	36.3	39.7	42.5	41.8	39.6	39.1	38.2	40.8	45.3	46.1	44.1	40.6	44.2	46.1	48.5	48.0	48.2	59.3	64.4	58.5	64.4	32.2	43.5
02/26/10	53.1	48.7	44.3	47.3	47.2	48.9	49.4	51.2	44.3	39.1	34.0	26.2	25.7	27.5	24.6	25.4	26.7	33.5	36.7	32.8	31.9	36.9	31.2	32.0	53.1	24.6	37.4
02/27/10	32.8	32.6	37.6	42.0	40.4	38.0	40.0	40.3	37.6	33.1	32.8	30.1	26.7	29.4	28.3	30.3	31.9	36.0	20.1	23.0	28.4	30.3	32.5	33.5	42.0	20.1	32.8
02/28/10	39.2	100.0	96.2	95.7	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	93.7	100.0	39.2	96.6
Hourly Averages	60.2	64.6	64.2	66.6	68.1	70.3	70.6	70.3	68.3	65.8	64.0	60.1	58.8	56.4	54.8	54.7	55.7	57.8	59.3	59.5	62.6	63.1	63.0	61.1			

Maximum Hourly Humidity: 100.0 **Minimum Hourly Humidity:** 20.1

Total Number of Observations: 336 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

MARCH 2010

RELATIVE HUMIDITY (%)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
03/01/10	95.4	94.2	96.6	94.2	97.2	97.6	100.0	92.9	86.3	77.3	71.7	72.9	77.4	67.9	67.3	78.0	81.9	82.5	85.2	86.2	85.1	80.3	77.3	77.7	100.0	67.3	84.3
03/02/10	84.2	80.0	78.9	74.8	77.0	74.2	70.6	69.0	61.7	52.6	44.7	39.1	39.2	39.0	34.5	35.4	37.9	39.1	46.6	50.6	56.6	57.4	65.4	58.7	84.2	34.5	57.0
03/03/10	60.6	58.7	63.7	65.3	76.8	75.9	81.6	68.5	59.7	45.7	48.3	38.7	40.7	46.6	46.2	45.0	45.7	50.7	53.1	58.3	63.5	61.4	67.0	63.8	81.6	38.7	57.7
03/04/10	62.5	60.3	60.0	65.8	64.8	68.4	70.4	68.5	55.4	60.2	55.4	55.5	49.6	47.6	43.6	49.6	45.7	53.7	61.8	60.8	60.3	61.3	60.9	52.5	70.4	43.6	58.1
03/05/10	56.7	59.9	67.4	67.8	74.0	77.6	73.7	66.5	54.4	45.1	41.9	44.7	46.1	38.7	31.8	28.0	34.9	41.4	46.7	39.0	37.7	39.3	39.7	41.5	77.6	28.0	49.8
03/06/10	44.1	44.3	44.4	43.1	37.4	43.3	45.0	45.8	40.7	32.9	27.9	30.3	30.1	32.6	30.8	37.4	34.0	36.6	40.1	36.9	56.0	71.2	75.8	80.8	80.8	27.9	43.4
03/07/10	85.0	98.4	99.3	99.9	97.4	95.9	91.3	84.3	78.7	70.8	61.3	64.6	98.8	89.2	100.0	100.0	95.3	90.8	82.0	87.8	85.7	93.9	100.0	100.0	100.0	61.3	89.6
03/08/10	100.0	98.8	94.5	96.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.2	91.0	96.3	95.2	91.2	96.5	96.9	100.0	91.0	98.1
03/09/10	94.8	97.9	97.4	96.7	96.0	97.8	99.2	95.8	83.6	79.5	71.5	62.0	73.0	100.0	100.0	87.7	80.8	64.7	61.9	65.0	64.9	69.1	75.0	74.0	100.0	61.9	82.8
03/10/10	72.9	71.7	70.2	74.8	75.6	76.0	86.1	83.9	64.9	64.4	61.7	58.7	54.2	50.6	53.9	56.0	64.4	57.5	56.6	62.2	61.7	64.8	68.9	77.0	86.1	50.6	66.2
03/11/10	84.3	88.1	86.8	90.3	93.3	96.1	97.1	82.6	64.0	74.6	61.5	59.9	56.2	62.1	60.0	56.8	57.8	62.5	65.0	65.8	64.1	73.6	60.3	73.6	97.1	56.2	72.3
03/12/10	67.9	66.8	73.7	80.0	77.1	76.0	76.5	70.2	56.4	41.2	31.4	27.2	46.5	44.1	46.8	48.7	52.8	54.7	53.9	51.8	52.9	63.2	60.7	60.3	80.0	27.2	57.5
03/13/10	56.2	60.1	67.0	57.5	60.0	60.4	61.3	55.4	45.8	27.6	36.6	33.9	33.2	41.1	39.3	37.2	38.4	39.9	44.0	52.6	52.5	50.2	51.5	53.1	67.0	27.6	48.1
03/14/10	54.1	60.0	63.0	70.1	69.0	72.8	67.9	35.0	36.8	32.0	32.2	28.8	31.8	30.7	30.1	30.6	31.2	38.3	36.4	37.1	37.5	39.6	46.2	50.0	72.8	28.8	44.2
03/15/10	48.1	52.3	58.2	50.3	52.9	50.7	47.3	43.7	36.3	35.5	30.6	27.2	25.0	23.3	24.3	23.5	23.6	25.3	27.8	29.9	31.7	32.7	35.8	39.4	58.2	23.3	36.5
03/16/10	47.7	50.6	53.3	53.2	53.2	51.5	50.6	41.4	38.9	35.1	27.4	22.4	21.0	20.0	20.2	20.0	20.6	23.1	29.0	31.7	30.7	30.0	32.6	31.9	53.3	20.0	34.8
03/17/10	35.6	36.5	37.5	38.7	39.1	40.9	39.9	33.8	31.4	28.8	26.2	19.7	17.8	13.7	14.0	14.1	14.1	16.0	23.8	22.9	23.4	21.4	22.1	22.5	40.9	13.7	26.4
03/18/10	22.4	27.1	26.3	26.9	25.8	27.9	28.0	25.0	21.8	20.4	15.5	15.6	16.9	18.4	20.7	21.5	21.9	23.3	30.8	34.4	34.2	45.0	41.7	35.5	45.0	15.5	26.1
03/19/10	44.9	41.8	42.5	40.9	30.5	35.7	41.8	38.7	29.9	59.5	50.3	40.2	39.9	39.3	37.2	43.4	49.3	47.7	49.1	50.1	51.0	49.2	50.3	30.3	59.5	29.9	43.1
03/20/10	20.7	20.4	22.5	26.2	27.6	27.2	30.7	26.8	24.5	19.4	15.1	15.0	13.2	12.8	11.4	12.1	13.5	13.3	15.2	23.9	21.2	29.8	24.9	18.2	30.7	11.4	20.2
03/21/10	20.5	20.9	19.9	17.2	15.4	14.9	14.1	14.2	14.1	14.5	13.3	13.5	13.0	11.7	19.2	21.6	20.7	24.4	26.5	24.3	30.4	32.8	27.2	28.5	32.8	11.7	19.7
03/22/10	25.8	22.0	27.1	26.4	27.4	27.5	30.4	25.7	20.5	19.4	14.2	20.1	14.4	19.6	20.3	15.6	20.3	21.1	19.3	20.0	26.6	28.3	29.5	20.4	30.4	14.2	22.6
03/23/10	19.3	28.7	41.6	44.9	42.8	50.4	71.2	92.5	87.2	90.7	90.1	87.0	88.1	85.8	83.8	74.7	73.7	81.4	86.0	90.9	89.3	94.6	96.1	99.7	99.7	19.3	74.6
03/24/10	98.9	97.9	91.4	94.3	82.5	88.8	78.4	51.3	40.0	39.7	35.8	29.2	32.7	37.0	37.0	39.2	34.1	33.9	31.5	33.3	37.0	42.1	38.7	46.6	98.9	29.2	53.0
03/25/10	45.5	45.1	45.4	49.3	48.0	42.0	43.9	41.2	32.9	29.1	28.0	25.0	21.8	19.4	22.5	20.5	18.9	23.2	29.0	23.5	24.0	22.2	23.9	26.9	49.3	18.9	31.3
03/26/10	27.3	27.7	24.6	25.0	29.0	32.4	34.1	36.9	35.4	36.6	37.5	33.2	32.7	31.4	29.5	28.0	25.5	26.4	29.5	32.2	32.8	34.6	33.9	39.2	39.2	24.6	31.5
03/27/10	39.6	27.5	25.4	30.5	35.5	33.2	34.7	30.4	23.5	31.5	25.2	23.3	18.7	15.3	14.9	14.1	15.1	14.9	14.5	20.1	22.3	23.3	22.3	24.5	39.6	14.1	24.2
03/28/10	27.6	31.3	31.9	31.5	30.6	30.7	28.1	24.3	22.4	20.9	14.7	14.1	14.1	12.2	12.0	13.9	12.2	12.9	18.9	21.1	22.6	21.2	25.3	22.5	31.9	12.0	21.5
03/29/10	21.7	23.0	23.1	20.7	28.2	26.1	25.0	23.1	21.9	22.3	17.1	15.7	14.1	11.5	11.5	16.6	17.3	21.2	25.4	31.4	29.1	28.7	27.0	30.1	31.4	11.5	22.2
03/30/10	25.0	25.4	19.4	23.7	30.6	33.0	32.9	29.7	23.7	20.8	15.3	13.5	14.2	14.1	13.1	12.7	13.5	14.5	18.5	15.7	18.5	19.1	20.1	19.8	33.0	12.7	20.3
03/31/10	17.8	13.9	14.3	16.5	17.3	17.6	15.9	15.5	17.7	19.8	20.2	15.5	15.6	18.3	17.7	14.2	18.3	21.9	25.6	31.2	35.1	34.3	35.6	39.2	39.2	13.9	21.2
Hourly Averages	51.8	52.6	53.8	54.6	55.2	56.2	57.0	52.0	45.5	43.5	39.4	37.0	38.4	38.5	38.5	38.6	39.1	40.4	42.7	44.7	46.2	48.6	49.4	49.5			

Maximum Hourly Humidity: 100.0 **Minimum Hourly Humidity:** 11.4

Total Number of Observations: 744 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

APPENDIX KC1-F

HOURLY BAROMETRIC PRESSURE DATA

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

JANUARY 2010

BAROMETRIC PRESSURE (in Hg)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
01/01/10	26.04	26.02	26.01	26.01	26.00	25.99	26.00	25.99	25.98	25.99	26.00	25.99	25.95	25.93	25.91	25.90	25.89	25.89	25.88	25.89	25.90	25.91	25.90	25.91	26.04	25.88	25.95
01/02/10	25.90	25.88	25.87	25.86	25.84	25.84	25.85	25.87	25.86	25.88	25.90	25.90	25.87	25.85	25.82	25.80	25.80	25.81	25.83	25.84	25.84	25.85	25.86	25.87	25.90	25.80	25.85
01/03/10	25.87	25.86	25.85	25.85	25.86	25.86	25.87	25.88	25.89	25.89	25.90	25.91	25.90	25.87	25.86	25.86	25.86	25.86	25.87	25.89	25.90	25.90	25.90	25.90	25.91	25.85	25.88
01/04/10	25.90	25.90	25.91	25.92	25.90	25.90	25.91	25.91	25.92	25.93	25.94	25.94	25.91	25.88	25.86	25.86	25.86	25.86	25.87	25.87	25.87	25.88	25.88	25.88	25.94	25.86	25.89
01/05/10	25.88	25.87	25.87	25.86	25.87	25.87	25.88	25.88	25.87	25.88	25.90	25.89	25.87	25.85	25.84	25.83	25.83	25.83	25.83	25.83	25.84	25.84	25.85	25.85	25.90	25.83	25.86
01/06/10	25.84	25.84	25.84	25.84	25.83	25.83	25.83	25.85	25.86	25.86	25.87	25.86	25.83	25.80	25.79	25.78	25.79	25.79	25.79	25.79	25.80	25.80	25.81	25.80	25.87	25.78	25.82
01/07/10	25.79	25.78	25.78	25.78	25.78	25.78	25.78	25.79	25.80	25.82	25.83	25.82	25.80	25.77	25.75	25.75	25.76	25.77	25.78	25.79	25.80	25.81	25.81	25.82	25.83	25.75	25.79
01/08/10	25.83	25.83	25.84	25.84	25.85	25.85	25.87	25.89	25.92	25.93	25.94	25.95	25.93	25.91	25.90	25.89	25.90	25.92	25.92	25.94	25.94	25.94	25.96	25.97	25.97	25.83	25.90
01/09/10	25.98	25.97	25.98	25.98	25.96	25.95	25.95	25.98	25.98	25.99	26.00	25.99	25.97	25.94	25.92	25.91	25.91	25.91	25.91	25.92	25.93	25.92	25.93	25.93	26.00	25.91	25.95
01/10/10	25.93	25.91	25.92	25.91	25.91	25.90	25.91	25.92	25.94	25.95	25.95	25.95	25.93	25.90	25.88	25.88	25.89	25.89	25.89	25.90	25.90	25.92	25.93	25.94	25.95	25.88	25.91
01/11/10	25.93	25.93	25.92	25.93	25.93	25.92	25.93	25.93	25.93	25.94	25.95	25.96	25.94	25.92	25.91	25.91	25.91	25.92	25.93	25.94	25.96	25.97	25.98	25.99	25.99	25.91	25.94
01/12/10	25.99	26.00	25.99	25.98	25.98	25.97	25.98	25.98	26.00	26.01	26.02	26.02	25.99	25.96	25.94	25.93	25.93	25.93	25.94	25.93	25.93	25.93	25.94	25.93	26.02	25.93	25.97
01/13/10	25.92	25.91	25.90	25.90	25.87	25.86	25.86	25.86	25.86	25.87	25.88	25.87	25.84	25.80	25.77	25.76	25.75	25.73	25.72	25.73	25.72	25.72	25.70	25.70	25.92	25.70	25.81
01/14/10	25.71	25.71	25.69	25.68	25.67	25.68	25.69	25.70	25.71	25.73	25.76	25.77	25.77	25.75	25.74	25.74	25.75	25.77	25.80	25.82	25.84	25.86	25.88	25.89	25.89	25.67	25.75
01/15/10	25.88	25.88	25.88	25.88	25.88	25.88	25.90	25.91	25.92	25.94	25.97	25.97	25.95	25.92	25.89	25.89	25.88	25.88	25.90	25.90	25.89	25.89	25.90	25.90	25.97	25.88	25.90
01/16/10	25.89	25.87	25.87	25.86	25.84	25.83	25.84	25.84	25.84	25.85	25.86	25.85	25.83	25.80	25.79	25.76	25.77	25.76	25.76	25.77	25.76	25.76	25.77	25.77	25.89	25.76	25.81
01/17/10	25.76	25.74	25.74	25.73	25.73	25.73	25.73	25.73	25.74	25.75	25.77	25.77	25.75	25.72	25.71	25.71	25.72	25.72	25.73	25.74	25.76	25.75	25.76	25.76	25.77	25.71	25.74
01/18/10	25.76	25.75	25.75	25.75	25.76	25.75	25.76	25.76	25.77	25.78	25.80	25.80	25.78	25.76	25.74	25.72	25.73	25.72	25.70	25.67	25.69	25.68	25.68	25.71	25.80	25.67	25.74
01/19/10	25.69	25.67	25.66	25.65	25.65	25.66	25.67	25.67	25.70	25.71	25.72	25.70	25.67	25.64	25.61	25.59	25.56	25.52	25.48	25.45	25.46	25.47	25.46	25.45	25.72	25.45	25.60
01/20/10	25.49	25.45	25.45	25.46	25.48	25.49	25.51	25.53	25.56	25.58	25.60	25.60	25.59	25.57	25.55	25.54	25.54	25.53	25.51	25.50	25.51	25.51	25.50	25.50	25.60	25.45	25.52
01/21/10	25.49	25.47	25.44	25.40	25.38	25.36	25.35	25.37	25.36	25.38	25.39	25.39	25.34	25.32	25.29	25.27	25.25	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	25.83	25.82	25.82	25.81	25.81	25.80	25.81	25.82	25.83	25.84	25.85	25.85	25.83	25.80	25.78	25.78	25.78	25.80	25.80	25.81	25.81	25.82	25.82	25.82			

Maximum Hourly Pressure: 26.04 **Minimum Hourly Pressure:** 25.45

Total Number of Observations: 497 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

FEBRUARY 2010

BAROMETRIC PRESSURE (in Hg)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.07	25.85	25.85	25.83	25.81	25.79	25.80	25.79	25.79	25.80	25.80	25.81	25.81	25.82	INV	INV	INV
02/06/10	25.82	25.81	25.80	25.79	25.78	25.77	25.77	25.77	25.78	25.78	25.79	25.79	25.77	25.74	25.71	25.70	25.69	25.68	25.68	25.68	25.68	25.68	25.67	25.67	25.82	25.67	25.74
02/07/10	25.66	25.65	25.63	25.62	25.60	25.58	25.57	25.59	25.60	25.61	25.60	25.60	25.60	25.58	25.56	25.56	25.56	25.56	25.58	25.59	25.60	25.60	25.61	25.61	25.66	25.56	25.60
02/08/10	25.62	25.62	25.63	25.63	25.63	25.63	25.65	25.66	25.68	25.69	25.70	25.72	25.70	25.68	25.67	25.67	25.68	25.68	25.69	25.71	25.71	25.72	25.72	INV	25.72	25.62	25.67
02/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/16/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/17/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/18/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.02	25.67	25.67	25.66	25.66	25.67	25.68	25.69	25.70	25.70	25.70	INV	INV	INV
02/19/10	25.70	25.69	25.69	25.69	25.69	25.68	25.69	25.71	25.72	25.73	25.74	25.74	25.73	25.70	25.68	25.66	25.65	25.64	25.64	25.64	25.64	25.65	25.65	25.66	25.74	25.64	25.68
02/20/10	25.65	25.65	25.64	25.62	25.61	25.62	25.61	25.61	25.62	25.62	25.61	25.62	25.62	25.62	25.60	25.61	25.62	25.62	25.63	25.65	25.65	25.67	25.68	25.67	25.68	25.60	25.63
02/21/10	25.67	25.68	25.68	25.67	25.67	25.67	25.67	25.68	25.70	25.72	25.72	25.72	25.71	25.69	25.68	25.68	25.69	25.69	25.70	25.70	25.71	25.70	25.71	25.70	25.72	25.67	25.69
02/22/10	25.70	25.69	25.68	25.66	25.64	25.63	25.63	25.63	25.63	25.63	25.63	25.63	25.63	25.59	25.60	25.59	25.58	25.61	25.63	25.67	25.69	25.69	25.70	25.70	25.70	25.58	25.64
02/23/10	25.69	25.72	25.74	25.73	25.78	25.82	25.80	25.83	25.88	25.97	25.95	25.92	25.92	25.93	25.91	25.90	25.90	25.90	25.92	25.93	25.94	25.96	25.98	25.97	25.98	25.69	25.87
02/24/10	25.96	25.96	25.95	25.94	25.93	25.92	25.92	25.92	25.94	25.93	25.94	25.93	25.93	25.89	25.86	25.84	25.83	25.81	25.79	25.79	25.80	25.82	25.81	25.80	25.96	25.79	25.88
02/25/10	25.78	25.79	25.79	25.77	25.75	25.75	25.76	25.77	25.78	25.79	25.80	25.81	25.80	25.78	25.77	25.77	25.77	25.77	25.79	25.81	25.83	25.84	25.84	25.85	25.85	25.75	25.79
02/26/10	25.86	25.87	25.87	25.87	25.86	25.87	25.88	25.89	25.92	25.93	25.93	25.92	25.91	25.89	25.87	25.85	25.85	25.85	25.86	25.86	25.84	25.84	25.83	25.82	25.93	25.82	25.87
02/27/10	25.80	25.79	25.76	25.74	25.72	25.72	25.73	25.72	25.71	25.70	25.70	25.68	25.65	25.63	25.60	25.57	25.54	25.52	25.50	25.49	25.49	25.49	25.49	25.47	25.80	25.47	25.63
02/28/10	25.46	25.43	25.45	25.43	25.41	25.42	25.43	25.46	25.49	25.52	25.55	25.57	25.59	25.59	25.59	25.61	25.62	25.64	25.66	25.69	25.71	25.73	25.74	25.76	25.76	25.41	25.56
Hourly Averages	25.72	25.72	25.72	25.70	25.70	25.70	25.70	25.71	25.73	25.74	23.91	25.75	25.74	24.01	25.71	25.70	25.70	25.69	25.70	25.71	25.72	25.73	25.73	25.73			

Maximum Hourly Pressure: 25.98 **Minimum Hourly Pressure:** 25.41

Total Number of Observations: 336 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

MARCH 2010

BAROMETRIC PRESSURE (in Hg)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
03/01/10	25.77	25.78	25.78	25.77	25.78	25.77	25.78	25.82	25.84	25.86	25.86	25.87	25.86	25.85	25.84	25.84	25.83	25.83	25.83	25.84	25.84	25.84	25.84	25.84	25.87	25.77	25.82
03/02/10	25.84	25.83	25.84	25.83	25.82	25.82	25.82	25.82	25.83	25.84	25.83	25.82	25.82	25.80	25.79	25.78	25.77	25.75	25.75	25.75	25.76	25.76	25.76	25.76	25.84	25.75	25.80
03/03/10	25.76	25.75	25.74	25.74	25.74	25.73	25.74	25.75	25.76	25.78	25.78	25.77	25.76	25.75	25.73	25.73	25.72	25.72	25.71	25.72	25.72	25.72	25.72	25.72	25.78	25.71	25.74
03/04/10	25.72	25.72	25.72	25.71	25.70	25.69	25.69	25.69	25.70	25.72	25.72	25.72	25.71	25.71	25.68	25.67	25.67	25.66	25.66	25.67	25.67	25.69	25.71	25.72	25.72	25.66	25.70
03/05/10	25.71	25.73	25.72	25.73	25.73	25.74	25.75	25.76	25.77	25.78	25.78	25.78	25.77	25.76	25.74	25.73	25.72	25.72	25.72	25.72	25.73	25.72	25.72	25.74	25.78	25.71	25.74
03/06/10	25.74	25.75	25.73	25.72	25.71	25.70	25.70	25.70	25.72	25.74	25.73	25.71	25.71	25.67	25.63	25.62	25.61	25.59	25.59	25.60	25.61	25.62	25.65	25.66	25.75	25.59	25.68
03/07/10	25.64	25.64	25.65	25.66	25.65	25.65	25.65	25.65	25.65	25.65	25.65	25.63	25.61	25.62	25.58	25.61	25.61	25.60	25.61	25.62	25.63	25.65	25.66	25.67	25.67	25.58	25.63
03/08/10	25.67	25.67	25.67	25.65	25.66	25.67	25.69	25.70	25.73	25.75	25.77	25.79	25.79	25.79	25.78	25.79	25.79	25.79	25.78	25.78	25.78	25.78	25.78	25.77	25.79	25.65	25.74
03/09/10	25.76	25.75	25.73	25.71	25.70	25.69	25.68	25.67	25.68	25.67	25.65	25.63	25.61	25.57	25.53	25.55	25.55	25.56	25.57	25.58	25.60	25.61	25.60	25.62	25.76	25.53	25.64
03/10/10	25.61	25.61	25.61	25.61	25.60	25.61	25.62	25.63	25.65	25.66	25.66	25.65	25.65	25.63	25.60	25.58	25.57	25.57	25.57	25.58	25.60	25.60	25.62	25.62	25.66	25.57	25.61
03/11/10	25.63	25.63	25.63	25.64	25.65	25.68	25.70	25.72	25.75	25.77	25.79	25.80	25.81	25.80	25.79	25.79	25.80	25.80	25.82	25.82	25.83	25.85	25.85	25.85	25.85	25.63	25.76
03/12/10	25.85	25.85	25.86	25.86	25.85	25.85	25.86	25.86	25.87	25.88	25.88	25.87	25.86	25.83	25.81	25.80	25.79	25.77	25.76	25.76	25.77	25.77	25.77	25.76	25.88	25.76	25.82
03/13/10	25.75	25.75	25.73	25.72	25.71	25.71	25.72	25.72	25.72	25.74	25.73	25.72	25.70	25.67	25.64	25.62	25.62	25.61	25.59	25.60	25.60	25.61	25.62	25.62	25.75	25.59	25.68
03/14/10	25.61	25.61	25.61	25.62	25.62	25.62	25.64	25.66	25.67	25.69	25.70	25.72	25.74	25.73	25.72	25.72	25.72	25.73	25.74	25.76	25.78	25.80	25.82	25.83	25.83	25.61	25.70
03/15/10	25.84	25.84	25.85	25.84	25.85	25.85	25.87	25.87	25.88	25.94	25.96	25.95	25.95	25.95	25.94	25.93	25.94	25.95	25.97	25.99	26.02	26.04	26.05	26.05	26.05	25.84	25.93
03/16/10	26.06	26.06	26.05	26.04	26.03	26.03	26.03	26.04	26.05	26.06	26.05	26.06	26.05	26.03	26.01	25.99	25.98	25.97	25.98	25.99	25.99	25.99	25.99	25.99	26.06	25.97	26.02
03/17/10	25.99	25.99	25.98	25.96	25.94	25.95	25.95	25.95	25.95	25.95	25.93	25.92	25.90	25.88	25.85	25.82	25.80	25.80	25.79	25.79	25.79	25.79	25.79	25.78	25.99	25.78	25.88
03/18/10	25.77	25.77	25.76	25.75	25.73	25.74	25.74	25.73	25.73	25.73	25.73	25.72	25.70	25.68	25.66	25.64	25.63	25.62	25.61	25.62	25.64	25.65	25.65	25.65	25.77	25.61	25.69
03/19/10	25.65	25.65	25.64	25.63	25.62	25.62	25.63	25.64	25.64	25.66	25.71	25.70	25.71	25.69	25.69	25.68	25.68	25.70	25.70	25.70	25.72	25.74	25.76	25.77	25.77	25.62	25.68
03/20/10	25.80	25.80	25.81	25.82	25.83	25.84	25.88	25.91	25.93	25.95	25.97	25.98	25.98	25.98	25.96	25.95	25.95	25.95	25.96	25.96	25.97	25.99	25.99	25.99	25.99	25.80	25.92
03/21/10	25.99	25.97	25.97	25.96	25.94	25.94	25.95	25.96	25.97	25.97	25.96	25.96	25.94	25.92	25.90	25.88	25.87	25.85	25.84	25.84	25.85	25.86	25.86	25.86	25.99	25.84	25.92
03/22/10	25.85	25.84	25.82	25.82	25.80	25.79	25.80	25.80	25.80	25.80	25.80	25.79	25.78	25.75	25.72	25.71	25.70	25.69	25.69	25.68	25.68	25.69	25.69	25.68	25.85	25.68	25.76
03/23/10	25.68	25.67	25.68	25.66	25.65	25.66	25.70	25.73	25.77	25.75	25.75	25.74	25.72	25.71	25.71	25.69	25.69	25.69	25.71	25.72	25.74	25.76	25.77	25.77	25.77	25.65	25.71
03/24/10	25.78	25.78	25.77	25.77	25.78	25.78	25.79	25.81	25.82	25.83	25.83	25.83	25.83	25.81	25.81	25.80	25.80	25.81	25.81	25.83	25.84	25.85	25.85	25.86	25.86	25.77	25.81
03/25/10	25.86	25.86	25.85	25.85	25.84	25.85	25.84	25.84	25.86	25.86	25.86	25.86	25.84	25.81	25.79	25.77	25.76	25.75	25.75	25.74	25.74	25.74	25.74	25.74	25.86	25.74	25.81
03/26/10	25.73	25.71	25.70	25.69	25.67	25.66	25.66	25.68	25.69	25.71	25.73	25.74	25.72	25.73	25.72	25.71	25.70	25.71	25.72	25.73	25.74	25.76	25.77	25.78	25.78	25.66	25.72
03/27/10	25.79	25.79	25.78	25.77	25.77	25.79	25.81	25.83	25.84	25.86	25.89	25.90	25.89	25.89	25.88	25.88	25.88	25.89	25.90	25.91	25.93	25.95	25.96	25.97	25.97	25.77	25.86
03/28/10	25.98	25.97	25.97	25.96	25.96	25.96	25.97	25.97	25.98	25.99	26.00	25.99	25.98	25.97	25.95	25.92	25.91	25.90	25.89	25.89	25.89	25.90	25.91	25.92	26.00	25.89	25.95
03/29/10	25.90	25.89	25.86	25.85	25.84	25.84	25.84	25.85	25.85	25.85	25.85	25.84	25.81	25.78	25.76	25.74	25.72	25.71	25.71	25.71	25.71	25.71	25.72	25.71	25.90	25.71	25.79
03/30/10	25.70	25.70	25.70	25.70	25.70	25.70	25.71	25.72	25.71	25.73	25.75	25.75	25.74	25.72	25.70	25.68	25.66	25.64	25.64	25.64	25.65	25.67	25.68	25.68	25.75	25.64	25.69
03/31/10	25.67	25.67	25.66	25.64	25.64	25.63	25.64	25.65	25.67	25.66	25.67	25.67	25.64	25.61	25.59	25.58	25.56	25.55	25.53	25.53	25.54	25.56	25.57	25.57	25.67	25.53	25.61
Hourly Averages	25.78	25.78	25.77	25.76	25.76	25.76	25.77	25.78	25.79	25.80	25.81	25.80	25.79	25.78	25.76	25.75	25.74	25.74	25.74	25.74	25.75	25.76	25.77	25.77			

Maximum Hourly Pressure: 26.06 **Minimum Hourly Pressure:** 25.53

Total Number of Observations: 744 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

APPENDIX KC1-G

HOURLY SOLAR RADIATION DATA

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

JANUARY 2010

SOLAR RADIATION (W/m^2)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
01/01/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.2	201.8	246.5	453.1	535.7	558.9	520.8	437.5	310.5	137.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	558.9	4.7	312.1
01/02/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	160.9	319.7	447.2	528.2	554.6	526.3	440.7	313.0	140.4	5.9	0.0	0.0	0.0	0.0	0.0	0.0	554.6	5.5	312.9
01/03/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4	168.6	328.7	458.0	536.9	561.3	530.4	443.4	314.6	142.2	5.1	0.0	0.0	0.0	0.0	0.0	0.0	561.3	5.1	318.8
01/04/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.9	168.2	329.2	457.4	539.0	567.9	505.3	450.0	304.3	137.7	4.8	0.0	0.0	0.0	0.0	0.0	0.0	567.9	4.8	316.4
01/05/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.8	167.7	329.8	459.4	540.4	565.9	534.7	448.1	319.2	145.7	5.9	0.0	0.0	0.0	0.0	0.0	0.0	565.9	5.9	321.2
01/06/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.9	151.5	295.4	440.2	498.8	542.8	467.4	435.2	268.7	70.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	542.8	8.6	290.5
01/07/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	53.5	202.6	239.2	298.9	371.0	363.2	254.2	206.4	74.2	15.0	0.0	0.0	0.0	0.0	0.0	0.0	371.0	6.5	189.5
01/08/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	167.6	332.3	467.3	555.6	586.2	560.8	470.2	213.0	133.7	10.4	0.0	0.0	0.0	0.0	0.0	0.0	586.2	10.4	319.4
01/09/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	124.5	218.6	484.0	561.8	591.3	561.0	473.9	343.4	159.1	6.2	0.0	0.0	0.0	0.0	0.0	0.0	591.3	6.2	321.7
01/10/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	82.3	223.4	346.8	401.7	468.0	473.1	280.3	228.2	76.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0	473.1	7.1	235.9
01/11/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	164.4	340.0	472.5	556.1	580.8	553.2	468.2	337.2	157.9	8.0	0.0	0.0	0.0	0.0	0.0	0.0	580.8	8.0	331.9
01/12/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.9	172.2	337.7	470.8	554.1	582.1	553.9	467.5	338.0	159.5	6.2	0.0	0.0	0.0	0.0	0.0	0.0	582.1	6.2	332.6
01/13/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	51.4	187.7	458.7	379.2	403.2	434.3	445.2	336.2	159.8	8.8	0.0	0.0	0.0	0.0	0.0	0.0	458.7	4.1	260.8
01/14/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.1	164.2	333.4	469.8	549.7	577.6	554.5	471.0	339.1	161.6	9.7	0.0	0.0	0.0	0.0	0.0	0.0	577.6	9.7	331.5
01/15/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.9	173.0	343.7	479.9	566.5	598.1	570.1	483.6	353.0	166.6	7.5	0.0	0.0	0.0	0.0	0.0	0.0	598.1	7.5	341.7
01/16/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	90.6	225.4	402.0	440.5	333.6	323.4	240.2	183.1	171.6	18.0	0.0	0.0	0.0	0.0	0.0	0.0	440.5	6.4	221.3
01/17/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	76.3	122.8	246.1	357.5	335.2	354.5	280.5	165.8	148.1	21.4	0.0	0.0	0.0	0.0	0.0	0.0	357.5	7.5	192.3
01/18/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	44.6	77.1	178.5	237.1	100.9	69.9	99.7	70.2	44.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	237.1	1.3	84.3
01/19/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	103.9	107.9	262.1	547.3	492.6	467.2	217.2	109.8	56.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0	547.3	2.7	215.6
01/20/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	37.7	252.8	286.2	226.4	432.2	358.5	486.1	300.6	182.1	17.5	0.0	0.0	0.0	0.0	0.0	0.0	486.1	3.2	234.8
01/21/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	6.5	16.3	26.5	30.6	30.5	24.8	29.3	17.7	11.0	INV	INV	INV	INV	INV	INV	INV	30.6	1.1	19.4
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	120.5	246.2	381.2	449.6	468.3	443.2	372.5	255.8	125.5	8.9	0.0	0.0	0.0	0.0	0.0	0.0			

Maximum Hourly Radiation: 598.1 **Minimum Hourly Radiation:** 1.1 **Average Monthly Radiation:** 262.1

Maximum 24-Hour Mean: 341.7 **Minimum 24-Hour Mean:** 19.4

Total Number of Observations: 497 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

Note: All Statisites Based on Daylight Hours

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

FEBRUARY 2010

SOLAR RADIATION (W/m^2)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	511.2	483.6	473.1	407.1	458.7	279.8	138.9	42.3	0.0	0.0	0.0	0.0	0.0	0.0	511.2	42.3	349.3
02/06/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6	185.3	335.0	385.7	521.0	655.0	491.7	449.2	190.7	92.3	25.8	0.0	0.0	0.0	0.0	0.0	0.0	655.0	20.6	304.8
02/07/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	11.4	263.0	415.4	564.6	412.4	302.5	399.0	313.5	152.7	52.4	0.0	0.0	0.0	0.0	0.0	0.0	564.6	4.6	262.9
02/08/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	153.3	380.8	108.9	103.7	212.0	418.1	383.5	135.7	91.5	35.1	0.0	0.0	0.0	0.0	0.0	0.0	418.1	16.6	185.4
02/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/16/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/17/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/18/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	656.9	592.9	461.9	286.8	74.8	0.0	0.0	0.0	0.0	0.0	0.0	656.9	74.8	414.7
02/19/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.2	201.8	401.6	541.9	633.7	728.0	692.0	594.3	434.7	269.5	76.1	0.0	0.0	0.0	0.0	0.0	0.0	728.0	50.2	420.3
02/20/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6	229.9	150.6	58.4	21.7	52.6	82.5	77.2	85.6	67.5	15.4	0.0	0.0	0.0	0.0	0.0	0.0	229.9	15.4	79.1
02/21/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	51.7	61.5	98.4	114.2	80.4	68.8	76.9	58.7	45.5	19.5	0.0	0.0	0.0	0.0	0.0	0.0	114.2	10.0	62.3
02/22/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	11.3	23.5	56.0	67.1	128.5	49.4	46.5	25.9	27.9	13.5	0.0	0.0	0.0	0.0	0.0	0.0	128.5	3.7	41.2
02/23/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.8	275.7	457.5	607.2	702.1	737.8	715.4	630.6	495.3	315.3	103.6	0.0	0.0	0.0	0.0	0.0	0.0	737.8	94.8	466.8
02/24/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.3	74.8	236.8	551.3	650.1	714.8	596.1	553.1	481.1	213.4	80.5	0.0	0.0	0.0	0.0	0.0	0.0	714.8	20.3	379.3
02/25/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.1	269.1	452.9	601.7	700.1	735.6	653.8	562.3	474.0	312.0	106.2	0.0	0.0	0.0	0.0	0.0	0.0	735.6	67.1	448.6
02/26/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.5	275.2	460.4	605.6	701.4	743.5	729.5	487.3	255.2	159.9	123.6	0.0	0.0	0.0	0.0	0.0	0.0	743.5	91.5	421.2
02/27/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.9	96.5	164.9	203.9	270.4	411.0	261.8	283.1	280.7	235.3	116.8	0.0	0.0	0.0	0.0	0.0	0.0	411.0	39.9	214.9
02/28/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	28.2	58.6	98.7	116.4	58.4	52.5	58.1	44.8	29.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	116.4	2.1	50.5
Hourly Averages																											
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.6	143.4	265.2	346.0	403.6	438.8	411.9	376.8	267.8	162.5	59.6	0.0	0.0	0.0	0.0	0.0	0.0			

Maximum Hourly Radiation: 743.5 **Minimum Hourly Radiation:** 2.1 **Average Monthly Radiation:** 273.4

Maximum 24-Hour Mean: 466.8 **Minimum 24-Hour Mean:** 41.2

Total Number of Observations: 337 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

Note: All Statisitcs Based on Daylight Hours

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

MARCH 2010

SOLAR RADIATION (W/m^2)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
03/01/10	0.0	0.0	0.0	0.0	0.0	0.0	1.4	106.0	292.3	329.0	424.5	665.6	300.1	477.2	591.4	279.0	105.8	63.3	3.1	0.0	0.0	0.0	0.0	0.0	665.6	1.4	279.9
03/02/10	0.0	0.0	0.0	0.0	0.0	0.0	0.6	43.4	176.7	433.4	552.0	558.3	605.4	605.0	593.6	517.6	255.8	121.4	4.8	0.0	0.0	0.0	0.0	0.0	605.4	0.6	343.7
03/03/10	0.0	0.0	0.0	0.0	0.0	0.0	1.4	97.9	298.4	484.0	628.7	721.0	756.5	735.7	602.4	507.6	330.2	122.0	4.5	0.0	0.0	0.0	0.0	0.0	756.5	1.4	406.9
03/04/10	0.0	0.0	0.0	0.0	0.0	0.0	2.2	95.2	291.6	473.6	618.8	730.7	674.7	748.8	491.5	362.6	268.4	131.9	5.1	0.0	0.0	0.0	0.0	0.0	748.8	2.2	376.5
03/05/10	0.0	0.0	0.0	0.0	0.0	0.0	2.2	103.4	307.9	495.5	642.9	736.1	772.0	748.6	661.1	506.2	338.9	133.0	5.2	0.0	0.0	0.0	0.0	0.0	772.0	2.2	419.5
03/06/10	0.0	0.0	0.0	0.0	0.0	0.0	1.3	49.5	148.3	289.5	517.3	679.5	702.2	707.3	613.6	219.6	279.7	136.4	7.8	0.0	0.0	0.0	0.0	0.0	707.3	1.3	334.8
03/07/10	0.0	0.0	0.0	0.0	0.0	0.0	1.5	48.8	154.4	434.0	355.3	253.5	58.9	128.0	25.2	37.0	22.7	21.0	6.0	0.0	0.0	0.0	0.0	0.0	434.0	1.5	118.9
03/08/10	0.0	0.0	0.0	0.0	0.0	0.0	0.5	12.4	44.7	83.4	91.2	126.4	150.9	71.5	69.2	83.1	62.6	34.5	3.6	0.0	0.0	0.0	0.0	0.0	150.9	0.5	64.2
03/09/10	0.0	0.0	0.0	0.0	0.0	0.0	2.1	109.5	232.1	304.2	389.5	251.5	237.4	167.9	24.9	55.0	214.2	88.5	3.6	0.0	0.0	0.0	0.0	0.0	389.5	2.1	160.0
03/10/10	0.0	0.0	0.0	0.0	0.0	0.0	3.0	49.8	272.2	512.5	654.3	692.1	641.7	517.6	461.2	241.6	60.3	111.6	11.9	0.0	0.0	0.0	0.0	0.0	692.1	3.0	325.4
03/11/10	0.0	0.0	0.0	0.0	0.0	0.0	5.5	140.1	333.7	526.5	634.5	795.9	844.0	767.4	679.7	529.9	355.6	146.5	6.6	0.0	0.0	0.0	0.0	0.0	844.0	5.5	443.5
03/12/10	0.0	0.0	0.0	0.0	0.0	0.0	5.6	135.6	337.1	525.2	674.3	770.2	801.0	771.4	679.6	540.3	358.6	149.6	7.0	0.0	0.0	0.0	0.0	0.0	801.0	5.6	442.7
03/13/10	0.0	0.0	0.0	0.0	0.0	0.0	7.7	141.6	337.5	517.9	678.7	765.1	798.3	776.0	677.4	523.1	337.5	158.7	7.0	0.0	0.0	0.0	0.0	0.0	798.3	7.0	440.5
03/14/10	0.0	0.0	0.0	0.0	0.0	0.0	7.3	154.1	359.9	546.1	691.4	782.6	812.0	783.3	691.0	550.3	368.3	156.1	6.5	0.0	0.0	0.0	0.0	0.0	812.0	6.5	454.5
03/15/10	0.0	0.0	0.0	0.0	0.0	0.0	9.5	160.2	361.1	544.0	692.0	786.6	817.0	787.5	695.4	555.4	372.3	163.5	7.3	0.0	0.0	0.0	0.0	0.0	817.0	7.3	457.8
03/16/10	0.0	0.0	0.0	0.0	0.0	0.0	9.7	162.7	367.4	546.1	698.4	770.1	828.0	801.0	704.8	555.1	369.0	161.0	8.2	0.0	0.0	0.0	0.0	0.0	828.0	8.2	460.1
03/17/10	0.0	0.0	0.0	0.0	0.0	0.0	11.2	170.5	374.5	560.5	708.4	802.0	836.0	809.0	720.1	577.3	391.8	175.4	6.7	0.0	0.0	0.0	0.0	0.0	836.0	6.7	472.6
03/18/10	0.0	0.0	0.0	0.0	0.0	0.0	12.3	168.0	369.7	555.9	703.5	794.2	825.0	794.5	699.6	558.0	372.9	166.5	8.3	0.0	0.0	0.0	0.0	0.0	825.0	8.3	463.7
03/19/10	0.0	0.0	0.0	0.0	0.0	0.0	7.6	93.3	360.8	181.5	275.1	857.0	667.4	773.0	686.0	540.4	322.0	151.9	10.5	0.0	0.0	0.0	0.0	0.0	857.0	7.6	379.0
03/20/10	0.0	0.0	0.0	0.0	0.0	0.0	14.6	181.6	390.3	579.6	726.9	818.0	847.0	818.0	724.5	581.2	382.3	132.1	13.2	0.0	0.0	0.0	0.0	0.0	847.0	13.2	477.6
03/21/10	0.0	0.0	0.0	0.0	0.0	0.0	19.9	180.6	392.0	580.0	727.8	815.0	829.0	795.7	698.3	524.2	259.0	116.5	15.4	0.0	0.0	0.0	0.0	0.0	829.0	15.4	457.9
03/22/10	0.0	0.0	0.0	0.0	0.0	0.0	10.3	163.0	390.9	586.6	663.9	640.7	754.1	814.0	711.6	571.4	205.3	100.2	12.6	0.0	0.0	0.0	0.0	0.0	814.0	10.3	432.7
03/23/10	0.0	0.0	0.0	0.0	0.0	0.0	1.8	4.8	28.5	64.0	135.2	174.7	166.2	139.9	229.5	165.4	132.5	81.6	15.4	0.0	0.0	0.0	0.0	0.0	229.5	1.8	103.0
03/24/10	0.0	0.0	0.0	0.0	0.0	0.0	20.9	182.2	390.9	577.2	723.2	810.0	836.0	802.0	705.9	552.5	335.7	126.3	12.1	0.0	0.0	0.0	0.0	0.0	836.0	12.1	467.3
03/25/10	0.0	0.0	0.0	0.0	0.0	0.0	23.4	184.9	384.0	570.3	718.7	807.0	835.0	807.0	713.4	562.0	377.7	169.6	17.7	0.0	0.0	0.0	0.0	0.0	835.0	17.7	474.7
03/26/10	0.0	0.0	0.0	0.0	0.0	0.0	29.7	183.0	392.8	580.9	721.5	806.0	837.0	802.0	704.7	554.7	385.8	181.8	18.1	0.0	0.0	0.0	0.0	0.0	837.0	18.1	476.8
03/27/10	0.0	0.0	0.0	0.0	0.0	0.0	27.7	202.0	411.3	592.2	737.6	829.0	858.0	826.0	730.8	587.8	400.1	190.9	18.1	0.0	0.0	0.0	0.0	0.0	858.0	18.1	493.2
03/28/10	0.0	0.0	0.0	0.0	0.0	0.0	33.5	219.4	429.4	613.7	753.6	841.0	868.0	836.0	739.6	594.6	407.2	199.9	20.1	0.0	0.0	0.0	0.0	0.0	868.0	20.1	504.3
03/29/10	0.0	0.0	0.0	0.0	0.0	0.0	36.6	202.3	424.8	611.7	757.1	829.0	779.9	823.0	668.1	490.5	271.7	123.2	15.2	0.0	0.0	0.0	0.0	0.0	829.0	15.2	464.1
03/30/10	0.0	0.0	0.0	0.0	0.0	0.0	29.8	225.2	429.0	613.0	753.0	841.0	867.0	834.0	742.8	598.7	411.6	205.3	21.7	0.0	0.0	0.0	0.0	0.0	867.0	21.7	505.5
03/31/10	0.0	0.0	0.0	0.0	0.0	0.0	17.3	210.2	418.2	594.7	720.1	758.4	739.8	603.2	633.4	579.1	390.7	185.6	16.8	0.0	0.0	0.0	0.0	0.0	758.4	16.8	451.3
Hourly Averages	0.0	0.0	0.0	0.0	0.0	0.0	11.5	134.9	319.4	480.9	605.5	693.8	688.6	673.3	592.6	454.9	295.0	135.7	10.3	0.0	0.0	0.0	0.0	0.0			

Maximum Hourly Radiation: 868.0 **Minimum Hourly Radiation:** 0.5 **Average Monthly Radiation:** 392.0

Maximum 24-Hour Mean: 505.5 **Minimum 24-Hour Mean:** 64.2

Total Number of Observations: 744 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

Note: All Statisitcs Based on Daylight Hours

APPENDIX KC1-H

HOURLY EVAPORATION DATA

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

JANUARY 2010

EVAPORATION (inches)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total Evaporation
01/01/10	0.003	0.008	0.003	0.003	0.003	0.003	0.005	0.003	0.006	0.005	0.003	0.011	0.010	0.011	0.008	0.008	0.010	0.010	0.007	0.008	0.005	0.003	0.005	0.013	0.154
01/02/10	0.003	0.008	0.003	0.008	0.003	0.000	0.005	0.005	0.003	0.003	0.005	0.003	0.005	0.005	0.005	0.010	0.015	0.010	0.020	0.005	0.005	0.005	0.003	0.005	0.142
01/03/10	0.003	0.003	0.002	0.003	0.002	0.003	0.003	0.003	0.000	0.003	0.013	0.008	0.006	0.008	0.010	0.010	0.008	0.010	0.005	0.008	0.010	0.007	0.005	0.010	0.143
01/04/10	0.010	0.008	0.003	0.003	0.003	0.008	0.005	0.008	0.008	0.005	0.006	0.010	0.011	0.010	0.013	0.013	0.010	0.010	0.007	0.007	0.008	0.005	0.005	0.005	0.181
01/05/10	0.003	0.005	0.005	0.005	0.005	0.005	0.010	0.002	0.000	0.005	0.003	0.006	0.008	0.005	INV	INV	INV	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.067
01/06/10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.002
01/07/10	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.006
01/08/10	0.000	0.003	0.000	0.003	0.005	0.004	0.002	0.008	0.008	0.008	0.026	0.021	0.018	0.011	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.003	0.125
01/09/10	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.001	0.000	0.001	0.000	0.001	0.000	0.002	0.000	0.002	0.000	0.003	0.000	0.000	0.003	0.016
01/10/10	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.001	0.000	0.003	0.000	0.001	0.000	0.003	0.000	0.003	0.003	0.002	0.002	0.000	0.003	0.000	0.003	0.000	0.026
01/11/10	0.003	0.000	0.000	0.000	0.003	0.000	0.000	0.002	0.000	0.000	0.011	0.013	0.011	0.005	0.008	0.005	0.005	0.004	0.003	0.005	0.002	0.000	0.003	0.003	0.086
01/12/10	0.000	0.003	0.003	0.003	0.003	0.003	0.000	0.003	0.000	0.003	0.003	0.003	0.003	0.003	0.005	0.013	0.005	0.007	0.007	0.005	0.005	0.003	0.004	0.002	0.089
01/13/10	0.002	0.000	0.003	0.002	0.000	0.003	0.000	0.000	0.003	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.005	0.009	0.005	0.007	0.005	0.003	0.003	0.003	0.055
01/14/10	0.000	0.002	0.000	0.003	0.000	0.000	0.000	0.000	0.001	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.002	0.002	0.000	0.000	0.000	0.003	0.000	0.003	0.018
01/15/10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.003	0.003	0.003	0.001	0.000	0.000	0.003	0.003	0.003	0.004	0.002	0.002	0.003	0.002	0.000	0.003	0.037
01/16/10	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.001	0.000	0.000	0.000	0.000	0.003	0.000	0.002	0.002	0.000	0.000	0.003	0.000	0.017
01/17/10	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.001	0.000	0.001	0.000	0.001	0.000	0.000	0.002	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.010
01/18/10	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.012
01/19/10	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.003	0.003	0.005	0.019
01/20/10	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.005
01/21/10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	INV	INV	INV	INV	INV	INV	INV	0.003
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV

Total Evaporation for the month =1.213

Total Number of Observations: 494 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

FEBRUARY 2010

EVAPORATION (inches)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total Evaporation
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.002	0.000	0.002	0.000	0.000	0.007
02/06/10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.001	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.003	0.000	0.000	0.000	0.011
02/07/10	0.000	0.003	0.003	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.002	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014
02/08/10	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.001	0.003	0.000	0.000	0.000	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	INV	0.012
02/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/16/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/17/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/18/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.000	0.000	0.000	0.003	0.002	0.003	0.002	0.000	0.000	0.003	0.013
02/19/10	0.003	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003	0.004	0.000	0.003	0.003	0.000	0.024
02/20/10	0.000	0.002	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008
02/21/10	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
02/22/10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02/23/10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.146	0.000	0.000	INV	0.000	0.002	0.000	0.000	0.000	0.002	0.003	0.000	0.002	0.000	0.156
02/24/10	0.002	0.002	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.003	0.004	0.003	0.005	0.003	0.005	0.005	0.010	0.004	0.004	0.008	0.005	0.003	0.003	0.003	0.073
02/25/10	0.003	0.005	0.003	0.008	0.005	0.005	0.003	0.005	0.005	0.003	0.005	0.005	0.008	0.008	0.010	0.013	0.012	0.012	0.015	0.010	0.008	0.003	0.002	0.002	0.158
02/26/10	0.000	0.005	0.003	0.002	0.003	0.005	0.008	0.005	0.006	0.003	0.006	0.005	0.011	0.008	0.013	0.013	0.013	0.010	0.008	0.007	0.005	0.008	0.008	0.005	0.160
02/27/10	0.003	0.005	0.003	0.005	0.003	0.005	0.003	0.000	0.003	0.005	0.003	0.006	0.005	0.003	0.005	0.003	0.008	0.005	0.005	0.005	0.005	0.002	0.005	0.002	0.097
02/28/10	0.002	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.003	0.000	0.000	0.008	0.013	0.005	0.003	0.000	0.000	0.000	0.052

Total Evaporation for the month =0.787

Total Number of Observations: 333 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

MARCH 2010

EVAPORATION (inches)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total Evaporation
03/01/10	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.003	0.000	0.007	0.005	0.002	0.005	0.003	0.000	0.002	0.003	0.033
03/02/10	0.000	0.002	0.000	0.000	0.003	0.000	0.000	0.003	0.000	0.001	0.003	0.003	0.006	0.008	0.005	0.008	0.005	0.010	0.007	0.005	0.007	0.002	0.003	0.003	0.084
03/03/10	0.003	0.000	0.002	0.003	0.000	0.002	0.002	0.000	0.000	0.006	0.004	0.003	0.005	0.010	0.010	0.013	0.010	0.013	0.009	0.012	0.005	0.008	0.003	0.005	0.128
03/04/10	0.002	0.002	0.005	0.000	0.003	0.003	0.000	0.003	0.003	0.006	0.000	0.003	0.005	0.008	0.013	0.013	0.013	0.012	0.010	0.012	0.008	0.008	0.005	0.008	0.145
03/05/10	0.005	0.005	0.004	0.005	0.003	0.000	0.000	0.003	0.006	0.000	0.003	0.003	0.003	0.003	0.005	0.003	0.008	0.010	0.009	0.010	0.007	0.005	0.005	0.005	0.110
03/06/10	0.003	0.005	0.000	0.003	0.003	0.003	0.003	0.000	0.003	0.001	0.001	0.003	0.005	0.005	0.008	0.010	0.008	0.008	0.013	0.008	0.008	0.004	0.008	0.002	0.115
03/07/10	0.002	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006
03/08/10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.003	0.005	0.008	0.008	0.000	0.000	0.000	0.003	0.005	0.002	0.000	0.003	0.000	0.003	0.000	0.041
03/09/10	0.000	0.000	0.000	0.000	0.003	0.003	0.003	0.000	0.001	0.000	0.000	0.003	0.005	0.015	0.035	0.138	0.046	0.018	0.010	0.000	0.003	0.003	0.003	0.003	0.292
03/10/10	0.000	0.000	0.003	0.002	0.000	0.000	0.002	0.003	0.006	0.001	0.001	0.000	0.003	0.005	0.008	0.005	0.008	0.005	0.007	0.005	0.005	0.005	0.005	0.003	0.082
03/11/10	0.003	0.002	0.002	0.003	0.000	0.000	0.000	0.000	0.009	0.003	0.000	0.000	0.003	0.005	0.008	0.008	0.012	0.010	0.010	0.010	0.007	0.008	0.005	0.005	0.113
03/12/10	0.003	0.005	0.005	0.002	0.000	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.000	0.005	0.005	0.010	0.010	0.010	0.010	0.013	0.010	0.008	0.007	0.005	0.129
03/13/10	0.002	0.003	0.003	0.003	0.003	0.002	0.003	0.003	0.006	0.001	0.004	0.003	0.003	0.003	0.005	0.008	0.008	0.010	0.012	0.013	0.004	0.008	0.005	0.005	0.120
03/14/10	0.005	0.005	0.008	0.005	0.005	0.002	0.005	0.003	0.003	0.005	0.003	0.005	0.005	0.008	0.008	0.010	0.010	0.010	0.014	0.010	0.008	0.010	0.008	0.005	0.160
03/15/10	0.005	0.008	0.005	0.003	0.007	0.018	0.026	0.023	0.008	0.008	0.003	0.011	0.011	0.013	0.010	0.013	0.013	0.013	0.013	0.009	0.013	0.010	0.012	0.007	0.262
03/16/10	0.005	0.005	0.003	0.005	0.003	0.008	0.003	0.003	0.006	0.006	0.008	INV	INV	0.013	0.010	0.015	0.015	0.015	0.020	0.013	0.010	0.010	0.008	0.008	0.192
03/17/10	0.007	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.011	0.006	0.010	0.010	0.013	0.016	0.021	0.025	0.023	0.020	0.020	0.020	0.013	0.012	0.005	0.008	0.275
03/18/10	0.010	0.010	0.008	0.005	0.008	0.002	0.005	0.006	0.003	0.006	0.005	0.005	0.008	0.016	0.018	0.020	0.023	0.020	0.020	0.013	0.007	0.007	0.007	0.012	0.244
03/19/10	0.005	0.002	0.005	0.003	0.003	0.003	0.003	0.005	0.003	0.000	0.000	0.001	0.000	0.005	0.013	0.018	0.018	0.015	0.020	0.008	0.005	0.005	0.005	0.002	0.147
03/20/10	0.007	0.005	0.010	0.010	0.008	0.010	0.008	0.005	0.010	0.013	0.013	0.010	0.018	0.018	0.018	0.018	0.020	0.015	0.010	0.010	0.005	0.005	0.005	0.005	0.256
03/21/10	0.000	0.005	0.005	0.003	0.003	0.005	0.000	0.008	0.010	0.008	0.008	0.010	0.015	0.018	0.013	0.025	0.020	0.020	0.013	0.015	0.010	0.005	0.005	0.003	0.227
03/22/10	0.002	0.003	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.005	0.005	INV	0.000	0.003	0.013	0.015	0.020	0.015	0.010	0.007	0.008	0.005	0.005	0.139
03/23/10	0.006	0.003	0.000	0.003	0.003	0.005	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.002	0.003	0.000	0.000	0.000	0.000	0.028
03/24/10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.003	0.006	0.005	0.008	0.010	0.013	0.015	0.012	0.017	0.013	0.012	0.007	0.005	0.003	0.131
03/25/10	0.005	0.005	0.000	0.005	0.003	0.005	0.000	0.003	0.003	0.003	0.003	0.003	0.008	0.008	0.010	0.023	0.018	0.018	0.020	0.009	0.013	0.008	0.008	0.008	0.189
03/26/10	0.005	0.008	0.008	0.010	0.007	0.008	0.005	0.005	0.006	0.005	0.008	0.011	0.013	0.013	0.020	0.015	0.018	0.018	0.014	0.018	0.015	0.007	0.007	0.008	0.252
03/27/10	0.003	0.003	0.005	0.003	0.005	0.005	0.002	0.003	0.003	0.006	0.008	0.009	0.013	0.015	0.018	0.015	0.018	0.018	0.012	0.010	0.007	0.005	0.008	0.005	0.199
03/28/10	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.011	0.011	0.008	0.008	0.015	0.016	0.020	0.025	0.015	0.015	0.012	0.010	0.005	0.007	0.005	0.228
03/29/10	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.006	0.005	0.008	0.008	0.008	0.013	0.011	0.013	0.018	0.017	0.023	0.025	0.015	0.008	0.004	0.003	0.005	0.226
03/30/10	0.005	0.003	0.005	0.005	0.002	0.000	0.002	0.003	0.001	0.005	0.003	0.008	0.013	0.018	0.020	0.020	0.020	0.027	0.030	0.015	0.010	0.008	0.008	0.007	0.238
03/31/10	0.008	0.008	0.007	0.008	0.013	0.013	0.005	0.008	0.005	0.008	0.008	0.013	0.016	INV	0.000	0.008	0.023	0.025	0.026	0.020	0.013	0.013	0.012	0.010	0.270

Total Evaporation for the month =5.061

Total Number of Observations: 740 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

APPENDIX KC1-I

HOURLY PRECIPITATION DATA

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

JANUARY 2010

PRECIPITATION (inches)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total Precipitation
01/01/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/02/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/03/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/04/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/05/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/06/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/07/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/08/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/09/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/10/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/11/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/12/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/13/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
01/14/10	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
01/15/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/16/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/17/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/18/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.06
01/19/10	0.00	0.00	0.00	0.00	0.02	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.22	0.12	0.25	0.36	1.06
01/20/10	0.11	0.01	0.00	0.02	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
01/21/10	0.01	0.02	0.13	0.12	0.21	0.12	0.01	0.02	0.11	0.17	0.14	0.14	0.14	0.19	0.17	0.25	0.10	INV	INV	INV	INV	INV	INV	INV	2.05
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV

Total Precipitation for the month = 3.53

Total Number of Observations: 497 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

FEBRUARY 2010

PRECIPITATION (inches)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total Precipitation
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/06/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/07/10	0.00	0.00	0.00	0.00	0.02	0.14	0.18	0.14	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52
02/08/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	INV	0.00
02/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00
02/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00
02/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00
02/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00
02/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00
02/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00
02/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00
02/16/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00
02/17/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00
02/18/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/19/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/20/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.04	0.02	0.03	0.03	0.00	0.01	0.00	0.00	0.04	0.05	0.11	0.08	0.53
02/21/10	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.04	0.03	0.03	0.10	0.00	0.03	0.02	0.00	0.00	0.01	0.03	0.00	0.39
02/22/10	0.00	0.00	0.01	0.05	0.03	0.03	0.02	0.01	0.09	0.05	0.06	0.07	0.10	0.10	0.01	0.02	0.06	0.03	0.11	0.02	0.00	0.00	0.00	0.00	0.87
02/23/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.05	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
02/24/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/25/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/26/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/27/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/28/10	0.00	0.05	0.24	0.09	0.07	0.19	0.15	0.06	0.17	0.17	0.09	0.11	0.07	0.01	0.04	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.58

Total Precipitation for the month = 4.10

Total Number of Observations: 336 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

MARCH 2010

PRECIPITATION (inches)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total Precipitation
03/01/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/02/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/03/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/04/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/05/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/06/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/07/10	0.00	0.06	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.04	0.28	0.08	0.00	0.00	0.00	0.00	0.00	0.01	0.11	0.03	0.78
03/08/10	0.06	0.03	0.01	0.04	0.05	0.05	0.08	0.12	0.04	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53
03/09/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.22	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26
03/10/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/11/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/12/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/13/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/14/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/15/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/16/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	INV	INV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/17/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/18/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/19/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
03/20/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/21/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/22/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/23/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.06	0.04	0.03	0.01	0.02	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25
03/24/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/25/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/26/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/27/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/28/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/29/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/30/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/31/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Total Precipitation for the month = 1.83

Total Number of Observations: 742 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

METEOROLOGICAL MEASUREMENTS

KC2 SITE

APPENDIX KC2-A: HOURLY WIND SPEED/DIRECTION DATA
APPENDIX KC2-B: HOURLY SIGMA THETA DATA
APPENDIX KC2-C: HOURLY DIFFERENTIAL TEMPERATURE DATA
APPENDIX KC2-D: HOURLY TEMPERATURE DATA
APPENDIX KC2-E: HOURLY RELATIVE HUMIDITY
APPENDIX KC2-F: HOURLY BAROMETRIC PRESSURE DATA
APPENDIX KC2-G: HOURLY SOLAR RADIATION DATA
APPENDIX KC2-H: HOURLY EVAPORATION DATA
APPENDIX KC2-I: HOURLY PRECIPITATION DATA

APPENDIX KC2-A

HOURLY WIND SPEED/DIRECTION DATA

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

JANUARY 2010

WIND SPEED (m/s)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
01/01/10	2.8	3.0	2.4	2.0	2.0	4.6	8.4	7.4	8.4	8.2	8.8	6.0	4.7	4.5	3.6	2.9	3.8	4.8	2.2	2.0	1.8	2.3	2.3	2.7	8.8	1.8	4.2
01/02/10	2.2	3.2	2.8	4.1	4.1	1.9	2.7	3.9	4.3	2.6	3.8	4.4	4.5	2.9	2.0	3.2	2.8	2.1	1.2	0.6	0.5	0.7	3.2	2.3	4.5	0.5	2.7
01/03/10	1.7	1.3	1.0	1.3	0.9	1.3	1.4	2.2	1.9	3.2	4.8	2.9	6.1	3.4	4.0	5.2	5.2	4.9	3.4	6.9	6.1	3.7	3.6	3.6	6.9	0.9	3.3
01/04/10	2.7	3.2	4.6	6.3	5.7	7.2	10.1	11.8	11.9	13.1	12.8	11.8	8.4	6.1	3.4	2.2	2.1	3.3	5.2	6.6	4.7	3.4	6.5	6.8	13.1	2.1	6.7
01/05/10	6.4	4.5	4.7	3.7	3.3	5.7	7.1	4.5	4.5	5.9	5.0	3.5	3.0	2.5	2.8	2.1	2.1	4.2	4.8	5.0	4.8	3.0	2.8	2.0	7.1	2.0	4.1
01/06/10	1.3	1.4	2.6	2.3	4.5	4.0	3.5	4.0	3.7	2.0	1.7	1.9	2.4	2.5	3.1	2.9	2.4	1.5	0.6	0.8	0.1	0.9	0.6	0.4	4.5	0.1	2.1
01/07/10	1.8	3.6	3.8	3.4	3.1	3.2	2.5	4.1	2.4	2.9	1.7	2.0	2.1	1.5	1.6	2.5	2.1	1.1	1.4	1.0	1.4	1.6	2.2	4.6	4.6	1.0	2.4
01/08/10	4.8	6.1	6.9	7.9	10.7	12.4	13.4	13.8	15.7	16.1	11.1	7.2	7.1	4.3	4.2	3.7	3.4	6.1	7.0	7.7	6.3	3.4	2.4	1.4	16.1	1.4	7.6
01/09/10	3.3	4.0	4.2	4.5	3.8	3.2	3.0	3.9	6.8	5.3	4.9	4.4	4.8	4.0	4.2	4.4	3.7	3.8	4.4	4.3	3.6	3.4	4.4	2.5	6.8	2.5	4.1
01/10/10	4.9	3.9	4.3	2.9	3.9	4.6	5.7	3.2	4.7	7.2	6.1	5.0	4.0	4.2	4.6	4.3	2.8	3.7	3.8	2.8	4.7	5.0	5.1	4.9	7.2	2.8	4.4
01/11/10	5.2	5.1	2.1	3.0	4.2	5.7	4.9	3.7	3.1	4.0	4.4	4.0	2.7	3.4	2.4	3.5	3.3	5.3	5.6	4.4	3.4	5.1	3.2	3.2	5.7	2.1	3.9
01/12/10	3.2	4.0	4.6	4.4	4.0	5.1	4.3	5.0	5.9	6.6	5.8	5.7	4.2	4.8	3.7	2.1	2.2	3.3	6.0	5.2	2.7	3.3	3.2	3.1	6.6	2.1	4.3
01/13/10	3.4	3.5	3.5	4.9	4.0	5.0	5.4	4.5	3.3	4.0	3.2	3.6	4.0	3.9	3.7	3.2	3.6	2.3	0.5	0.3	1.2	0.6	1.3	2.8	5.4	0.3	3.2
01/14/10	3.0	6.6	5.0	3.0	3.0	3.8	4.3	1.9	1.4	1.6	1.8	2.4	3.1	4.3	4.1	3.8	2.9	2.5	1.8	2.5	3.2	4.9	7.4	10.9	10.9	1.4	3.7
01/15/10	9.7	9.3	6.8	4.2	3.3	5.5	6.2	6.1	4.8	4.3	4.0	4.6	2.3	2.6	2.1	2.7	2.5	2.5	1.2	1.3	2.1	2.1	4.6	4.9	9.7	1.2	4.1
01/16/10	5.1	4.2	4.9	5.0	3.9	2.7	3.1	3.7	2.2	3.4	3.0	4.3	3.4	3.0	2.6	2.5	1.3	1.5	1.6	3.6	4.4	1.7	0.8	1.1	5.1	0.8	3.0
01/17/10	1.4	1.1	1.6	2.2	1.0	1.8	4.4	5.1	4.9	5.1	3.6	1.9	1.6	3.3	3.4	3.8	2.5	1.0	0.6	1.0	2.1	1.9	2.0	1.8	5.1	0.6	2.5
01/18/10	2.0	1.0	0.9	1.3	1.5	0.8	1.5	1.2	2.3	2.3	5.4	5.1	4.1	3.4	4.1	2.2	5.2	4.6	5.4	5.9	6.8	6.3	3.8	4.3	6.8	0.8	3.4
01/19/10	6.3	3.7	2.1	2.1	3.8	3.0	5.3	3.8	2.9	4.3	4.5	5.0	5.0	4.6	3.9	3.9	3.9	5.3	7.6	4.9	2.6	2.4	3.0	5.4	7.6	2.1	4.1
01/20/10	2.8	2.3	2.2	3.2	2.8	0.7	2.9	2.2	INV	2.3	2.6	2.2	2.7	3.2	2.9	3.0	3.1	1.6	3.3	3.9	3.6	1.4	2.0	2.0	3.9	0.7	2.6
01/21/10	2.9	3.8	2.2	5.3	3.8	4.4	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	3.7	3.7	3.5	3.7	3.7	4.1	5.0	4.8	5.0	5.2	4.9	4.4	4.0	3.6	3.3	3.2	3.0	3.3	3.4	3.5	3.3	2.8	3.2	3.5			

Maximum Hourly Wind Speed: 16.1 **Minimum Hourly Wind Speed:** 0.1 **Average Monthly Wind Speed:** 3.8

Maximum 24-Hour Mean: 7.6 **Minimum 24-Hour Mean:** 2.1

Total Number of Observations: 485 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

JANUARY 2010

WIND DIRECTION (degrees)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01/01/10	257	283	297	309	301	353	79	78	84	88	76	50	124	123	115	86	93	89	271	312	316	344	319	53
01/02/10	338	56	32	70	59	343	40	78	62	291	120	109	115	143	262	281	268	311	37	328	344	315	61	67
01/03/10	353	346	334	279	313	25	320	5	26	111	95	195	83	106	83	72	85	88	75	72	84	234	235	215
01/04/10	250	264	65	58	61	61	73	75	70	69	68	66	62	66	65	56	123	34	53	56	21	342	67	57
01/05/10	74	45	47	354	312	75	79	22	10	76	55	336	276	129	105	99	98	85	84	83	80	91	72	75
01/06/10	24	41	41	34	65	69	54	63	75	157	220	232	199	268	278	266	270	318	35	42	310	7	343	282
01/07/10	58	63	59	55	63	62	56	85	28	102	253	348	106	350	262	313	271	303	32	309	357	342	320	63
01/08/10	81	83	86	75	91	84	84	83	74	70	74	76	73	75	60	99	88	89	85	78	59	301	11	295
01/09/10	263	270	109	22	302	253	246	22	78	72	71	68	84	106	122	132	124	101	110	98	182	105	88	97
01/10/10	88	51	128	280	24	58	67	32	70	83	89	91	123	132	110	93	114	96	103	62	97	73	70	83
01/11/10	84	76	319	307	42	56	44	334	236	258	79	82	80	86	71	65	71	56	53	339	285	63	188	223
01/12/10	93	68	38	351	18	317	305	346	33	54	62	53	70	47	103	125	199	44	69	69	279	224	77	131
01/13/10	189	111	107	110	122	97	96	100	116	98	78	95	195	187	233	238	250	260	359	15	12	5	333	294
01/14/10	32	69	83	75	75	79	82	76	284	2	228	261	341	359	2	18	14	342	124	334	11	358	15	22
01/15/10	36	52	74	288	229	26	37	73	94	129	140	129	168	265	169	327	339	36	20	39	349	19	80	82
01/16/10	88	86	87	87	80	90	81	101	111	92	207	46	66	59	99	73	110	80	48	66	78	74	49	65
01/17/10	66	68	73	19	27	100	74	75	78	72	84	116	213	176	165	222	221	280	41	5	53	49	58	59
01/18/10	61	312	330	323	76	119	90	234	140	126	63	74	76	78	107	79	84	73	75	80	86	82	173	115
01/19/10	90	218	64	166	272	355	94	128	161	141	146	139	144	132	158	165	131	127	115	244	4	145	229	218
01/20/10	240	172	184	205	222	148	285	244	INV	170	169	172	197	182	192	178	188	142	64	70	89	205	142	157
01/21/10	146	152	114	147	145	155	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	139	137	127	172	138	139	114	113	96	113	119	137	140	153	138	149	157	148	93	135	155	169	146	133

Total Number of Observations: 485 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

FEBRUARY 2010

WIND SPEED (m/s)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	2.8	1.9	2.5	2.5	1.7	0.9	1.4	3.2	1.2	1.1	2.3	INV	INV	INV
02/06/10	2.4	1.9	2.4	3.0	2.0	3.1	3.6	5.3	5.6	1.8	1.7	2.8	3.7	4.2	4.0	3.3	2.9	2.7	0.6	2.0	1.2	1.3	1.7	1.2	5.6	0.6	2.7
02/07/10	0.9	0.8	1.4	2.0	2.5	2.1	2.9	3.9	1.8	1.2	2.9	3.3	3.8	3.8	5.3	5.0	4.5	4.7	2.3	0.8	0.5	0.8	1.4	0.3	5.3	0.3	2.5
02/08/10	0.8	1.6	2.4	1.8	1.7	1.3	2.6	2.5	1.6	2.1	2.8	1.9	2.5	2.4	2.5	2.4	1.5	1.9	0.9	1.1	1.3	1.4	4.0	4.1	4.1	0.8	2.0
02/09/10	4.7	2.9	3.4	3.7	3.9	3.1	4.9	5.7	5.4	3.4	4.0	3.7	4.5	5.4	4.0	3.1	2.0	2.3	1.5	1.8	2.9	1.3	2.1	3.3	5.7	1.3	3.5
02/10/10	4.1	3.3	5.0	1.6	2.8	4.5	2.2	1.8	2.6	1.6	1.7	2.7	3.4	5.1	3.4	1.4	2.1	1.6	0.8	0.4	0.5	0.4	0.6	0.5	5.1	0.4	2.3
02/11/10	0.5	1.3	1.1	0.8	1.2	1.4	0.9	0.5	0.6	1.2	2.1	2.3	2.6	3.7	4.5	4.3	4.0	3.4	1.5	1.3	0.5	1.2	0.7	0.8	4.5	0.5	1.8
02/12/10	2.0	2.7	1.8	0.5	0.5	0.8	0.7	0.4	0.1	1.1	1.4	1.6	2.5	2.7	2.9	2.5	2.6	2.8	1.8	0.6	1.0	0.7	0.1	0.1	2.9	0.1	1.4
02/13/10	2.0	0.9	0.9	0.4	0.4	0.3	0.7	2.8	1.7	4.8	1.6	2.8	2.2	3.3	3.9	3.5	3.3	2.4	1.5	0.6	0.6	1.1	0.9	0.8	4.8	0.3	1.8
02/14/10	0.8	4.7	3.5	1.9	2.5	4.2	7.8	4.1	2.8	6.3	6.8	6.0	3.3	3.2	3.0	3.1	3.9	3.5	3.3	2.9	5.0	3.7	3.7	2.8	7.8	0.8	3.9
02/15/10	3.9	7.4	4.9	2.6	4.4	4.9	10.3	9.2	9.4	9.4	9.5	6.4	5.2	4.0	3.3	2.4	2.9	3.4	4.1	3.7	2.2	1.5	1.9	1.8	10.3	1.5	4.9
02/16/10	4.2	3.2	4.5	8.1	9.8	9.6	9.1	9.5	10.3	12.0	12.8	11.1	9.3	6.5	4.0	3.7	3.0	3.3	2.1	3.6	3.1	5.5	6.4	3.5	12.8	2.1	6.6
02/17/10	2.9	2.5	2.7	5.5	5.9	5.5	4.6	4.2	5.9	5.4	5.3	3.9	3.1	2.5	2.8	1.8	2.6	3.0	1.4	1.2	2.5	2.0	1.6	2.4	5.9	1.2	3.4
02/18/10	0.6	1.0	0.7	1.8	0.9	0.8	2.3	1.6	1.3	1.8	2.4	2.4	3.6	3.9	3.8	3.7	3.7	3.4	1.8	0.7	1.3	1.7	0.4	0.3	3.9	0.3	1.9
02/19/10	2.1	3.1	2.4	1.5	1.6	1.9	1.6	3.6	3.8	2.6	3.7	3.9	4.1	5.2	5.2	5.5	5.0	4.5	3.3	1.1	1.1	1.3	0.9	1.1	5.5	0.9	2.9
02/20/10	1.0	1.4	2.3	1.1	0.4	1.3	0.5	1.2	0.7	2.0	3.9	5.8	3.0	3.2	3.2	2.0	1.9	1.7	2.3	3.0	3.2	0.9	1.3	1.8	5.8	0.4	2.1
02/21/10	1.6	2.8	3.8	3.9	2.5	2.8	1.8	1.6	2.7	4.2	4.9	5.0	4.1	4.4	2.3	2.8	0.6	1.5	1.7	1.6	0.6	1.2	1.1	1.4	5.0	0.6	2.5
02/22/10	0.6	1.0	1.9	2.9	4.3	3.6	3.7	3.6	4.4	5.5	4.7	3.7	3.7	4.2	2.7	1.7	3.6	3.3	3.8	3.0	2.8	2.8	3.2	5.2	5.5	0.6	3.3
02/23/10	5.4	5.3	3.1	1.9	5.0	4.9	4.5	6.6	6.2	5.4	4.6	4.7	3.5	6.0	3.6	3.7	3.6	2.9	2.8	1.7	1.8	2.1	4.3	3.7	6.6	1.7	4.0
02/24/10	3.0	3.0	3.3	2.8	2.3	3.0	2.7	2.5	3.8	3.2	4.4	4.1	3.5	4.2	3.2	2.8	2.5	2.8	1.7	1.5	1.0	2.1	0.7	1.0	4.4	0.7	2.7
02/25/10	1.2	0.3	0.3	0.0	0.5	0.9	0.2	0.8	0.9	1.5	2.8	3.5	3.8	4.4	5.7	5.5	5.6	4.5	1.1	0.9	2.0	2.8	3.1	2.7	5.7	0.0	2.3
02/26/10	4.0	4.7	6.5	8.3	9.5	10.8	10.3	8.8	8.2	9.2	8.2	7.9	4.8	4.5	3.1	3.5	3.5	1.5	1.3	1.8	2.4	3.4	5.1	5.5	10.8	1.3	5.7
02/27/10	6.6	7.2	6.4	6.4	6.6	6.2	4.8	5.7	6.1	6.1	5.4	6.3	3.6	3.3	3.7	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	2.5	2.9	2.9	2.9	3.3	3.5	3.8	3.9	3.9	4.2	4.4	4.4	3.8	4.0	3.6	3.2	3.1	2.8	1.9	1.7	1.8	1.8	2.1	2.1			

Maximum Hourly Wind Speed: 12.8 **Minimum Hourly Wind Speed:** 0.0 **Average Monthly Wind Speed:** 3.1

Maximum 24-Hour Mean: 6.6 **Minimum 24-Hour Mean:** 1.4

Total Number of Observations: 530 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

FEBRUARY 2010

WIND DIRECTION (degrees)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	206	188	266	287	303	330	17	79	56	49	57
02/06/10	55	53	53	48	46	77	75	77	83	127	197	168	166	185	199	203	224	305	9	56	62	116	252	323
02/07/10	301	34	129	157	183	155	284	280	147	112	274	244	239	240	238	248	261	252	261	280	29	19	57	1
02/08/10	286	46	79	148	112	108	86	113	123	122	188	151	165	226	237	219	232	334	340	22	21	42	75	86
02/09/10	80	73	76	71	80	86	85	83	81	112	99	133	136	150	163	198	254	292	341	44	96	67	57	70
02/10/10	69	87	81	63	79	82	22	53	118	234	247	173	198	179	176	301	253	323	188	151	344	249	41	348
02/11/10	306	319	316	56	37	332	278	119	219	221	271	242	238	242	244	257	256	274	311	344	337	80	329	29
02/12/10	53	75	70	321	19	339	352	345	121	178	218	178	221	260	250	283	270	279	324	6	50	42	282	52
02/13/10	72	319	346	50	342	28	329	34	302	102	206	226	236	204	276	261	271	269	325	3	29	24	18	35
02/14/10	3	66	65	306	292	11	69	270	273	72	90	83	104	154	334	16	347	346	0	47	78	91	60	235
02/15/10	140	82	32	263	31	58	78	68	69	72	69	65	76	82	134	110	107	104	89	84	2	311	326	318
02/16/10	62	358	46	81	77	84	82	80	76	67	67	66	65	69	72	61	78	69	44	73	83	79	80	38
02/17/10	17	335	316	59	54	45	45	56	60	63	58	50	107	148	212	268	227	283	338	48	53	39	40	51
02/18/10	354	33	27	49	16	47	56	342	184	186	202	224	277	268	279	273	260	255	288	3	46	27	330	33
02/19/10	51	55	58	28	39	79	306	79	78	130	182	200	211	209	210	214	232	220	227	225	73	64	261	74
02/20/10	84	51	44	8	79	332	319	264	187	216	268	237	217	222	203	231	233	279	170	154	171	141	106	97
02/21/10	118	156	153	154	179	204	156	200	205	205	211	216	244	274	289	281	346	80	40	55	60	184	143	159
02/22/10	184	185	230	219	229	224	211	251	251	252	257	254	244	281	244	253	284	299	338	65	102	266	215	209
02/23/10	204	250	250	240	228	210	202	223	117	86	72	47	60	76	132	116	119	120	25	46	39	32	66	74
02/24/10	56	60	76	56	186	222	224	269	57	49	32	80	91	61	210	247	265	297	323	344	5	51	288	297
02/25/10	348	68	57	179	309	319	241	27	123	228	266	252	264	258	257	271	262	261	292	15	43	51	72	56
02/26/10	77	79	52	50	58	67	63	75	73	69	69	63	47	62	89	78	299	294	359	63	279	67	63	67
02/27/10	69	75	77	83	65	66	79	82	86	86	84	68	47	80	132	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	136	130	120	122	124	144	165	154	138	136	165	155	166	180	207	211	244	252	226	97	94	95	146	123

Total Number of Observations: 530 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

MARCH 2010

WIND SPEED (m/s)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
03/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/06/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/07/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/08/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	5.3	2.7	0.0	2.9	3.3	2.8	3.3	3.6	3.9	4.0	7.3	8.2	6.6	7.5	INV	INV	INV
03/16/10	6.3	3.6	4.1	4.8	3.8	3.4	3.4	6.7	7.3	4.5	5.1	3.6	4.2	4.4	3.9	3.0	2.7	2.5	2.6	1.1	3.5	3.3	2.5	3.0	7.3	1.1	3.9
03/17/10	4.2	5.2	3.5	4.6	5.2	4.9	5.3	3.1	3.2	3.2	3.6	4.7	4.3	3.0	4.5	3.6	4.3	2.8	3.5	3.7	4.6	5.0	5.1	4.2	5.3	2.8	4.2
03/18/10	4.7	4.6	4.5	5.4	4.9	4.3	5.2	4.1	5.4	7.2	5.3	4.8	4.4	4.7	4.9	5.0	4.3	4.5	3.3	1.3	1.1	1.6	1.5	1.7	7.2	1.1	4.1
03/19/10	2.2	2.9	2.1	2.2	2.4	2.0	2.9	4.7	3.5	3.5	3.5	2.9	2.3	2.9	4.7	4.7	5.1	3.6	2.8	0.4	1.0	1.6	1.7	3.5	5.1	0.4	2.9
03/20/10	5.6	5.4	7.1	8.9	9.3	10.5	9.8	7.3	6.4	3.9	3.8	4.5	3.6	4.6	3.3	3.5	3.4	2.0	1.6	1.0	2.1	1.0	2.0	2.6	10.5	1.0	4.7
03/21/10	2.7	3.0	3.2	1.8	2.1	1.3	1.6	4.8	4.1	4.1	4.7	2.9	1.6	2.4	2.5	2.7	2.0	2.2	1.7	0.4	1.8	2.0	1.1	0.4	4.8	0.4	2.4
03/22/10	1.3	1.4	1.0	1.4	3.4	1.8	4.9	1.9	2.2	1.6	2.1	2.7	2.1	2.8	3.4	4.0	3.4	3.3	1.7	0.8	0.7	1.5	1.4	0.7	4.9	0.7	2.1
03/23/10	0.1	1.3	2.0	2.2	2.2	1.5	2.5	3.1	1.2	4.2	2.2	3.7	2.6	1.8	1.7	1.2	2.0	2.6	1.8	0.8	0.2	1.0	2.0	0.1	4.2	0.1	1.8
03/24/10	1.6	1.0	0.3	0.2	0.8	0.5	1.2	1.2	0.8	2.2	2.2	2.7	3.2	3.7	3.8	4.2	3.8	3.5	1.7	0.8	0.5	0.7	0.6	1.3	4.2	0.2	1.8
03/25/10	1.6	2.9	1.6	2.1	3.8	2.7	2.4	1.5	2.0	3.2	3.2	3.6	5.0	4.2	2.5	3.7	3.7	3.7	2.3	1.8	0.7	1.0	1.6	0.6	5.0	0.6	2.6
03/26/10	1.2	0.5	0.7	1.6	1.1	0.8	0.5	1.6	3.6	4.7	5.6	4.7	5.3	5.3	6.1	6.4	6.2	5.6	4.3	2.6	1.6	1.5	2.1	1.5	6.4	0.5	3.1
03/27/10	2.5	0.7	0.9	1.5	1.7	0.5	1.1	0.8	0.7	3.0	3.8	4.6	4.2	4.0	4.4	4.6	4.3	3.4	2.2	2.1	2.5	1.7	1.4	2.2	4.6	0.5	2.4
03/28/10	3.3	3.9	1.6	2.5	3.9	3.7	5.1	2.9	3.7	3.6	4.1	3.2	4.8	4.5	3.6	4.5	4.3	3.0	2.4	3.1	3.6	4.5	2.7	2.0	5.1	1.6	3.5
03/29/10	2.1	2.6	2.5	2.2	2.0	3.8	7.3	5.3	4.2	2.5	3.3	2.6	2.8	3.0	3.3	3.4	2.6	2.7	0.9	1.6	2.2	1.8	2.2	2.4	7.3	0.9	2.9
03/30/10	1.0	1.0	0.7	1.7	0.7	2.4	3.7	4.7	3.1	2.6	3.2	3.5	3.9	4.6	3.9	2.9	3.4	3.2	1.6	0.7	1.2	1.3	0.0	0.9	4.7	0.0	2.3
03/31/10	1.4	1.6	1.7	1.8	1.8	2.3	1.8	2.3	3.5	5.1	5.9	6.3	6.7	5.7	7.4	8.1	8.4	7.4	6.2	5.4	4.6	4.9	2.6	2.6	8.4	1.4	4.4
Hourly Averages	2.6	2.6	2.3	2.8	3.1	2.9	3.7	3.5	3.4	3.7	3.9	3.8	3.6	3.8	4.0	4.0	4.0	3.5	2.6	1.9	2.3	2.5	2.2	2.2			

Maximum Hourly Wind Speed: 10.5 **Minimum Hourly Wind Speed:** 0.0 **Average Monthly Wind Speed:** 3.1

Maximum 24-Hour Mean: 4.7 **Minimum 24-Hour Mean:** 1.8

Total Number of Observations: 398 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

MARCH 2010

WIND DIRECTION (degrees)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
03/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/06/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/07/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/08/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	66	46	184	92	121	32	22	10	9	22	40	48	76	78
03/16/10	63	100	118	120	144	147	135	71	73	79	60	80	166	181	175	164	41	61	121	14	99	110	125	108
03/17/10	85	78	163	114	134	125	86	174	66	150	80	98	95	59	44	63	61	75	74	104	101	71	72	57
03/18/10	42	44	65	72	344	3	69	62	87	103	86	169	181	211	238	247	248	257	262	263	19	54	56	58
03/19/10	54	49	64	78	94	78	61	75	75	269	55	208	224	215	246	265	246	263	237	114	342	30	20	51
03/20/10	72	68	45	43	52	59	55	56	52	34	87	31	49	45	29	356	14	350	347	354	46	343	51	40
03/21/10	41	55	56	37	51	309	7	85	83	101	24	69	183	207	249	277	301	289	311	348	45	57	73	20
03/22/10	24	4	359	56	60	75	82	65	151	209	201	204	235	235	286	276	258	272	297	27	6	29	50	46
03/23/10	25	73	3	1	318	84	352	302	250	359	118	77	79	332	171	294	293	290	292	13	342	49	52	322
03/24/10	64	34	286	317	349	355	42	249	161	199	96	321	251	255	253	263	272	263	300	315	357	197	289	53
03/25/10	32	58	37	48	72	52	47	349	201	129	104	121	169	185	213	228	228	257	299	47	42	54	49	46
03/26/10	66	94	104	62	63	72	60	326	282	255	267	268	248	270	274	256	272	272	270	256	245	82	53	18
03/27/10	48	9	274	353	11	23	294	312	271	287	30	31	18	9	22	28	29	12	356	356	31	58	31	46
03/28/10	78	55	77	61	105	96	68	195	108	86	66	157	166	177	116	56	37	62	88	105	89	82	85	30
03/29/10	4	325	28	348	329	8	67	66	70	277	226	211	100	147	228	278	278	286	303	33	68	65	53	55
03/30/10	23	0	22	46	52	46	76	79	172	200	200	222	233	265	243	250	233	262	283	333	300	47	26	57
03/31/10	62	91	96	102	104	129	102	108	138	164	203	212	219	240	241	227	225	230	249	254	247	256	259	281
Hourly Averages	49	71	112	116	143	104	100	161	140	181	116	149	165	184	185	209	180	206	241	174	142	96	84	80

Total Number of Observations: 398 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

APPENDIX KC2-B

HOURLY SIGMA THETA DATA

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

JANUARY 2010

SIGMA THETA (degrees)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01/01/10	55	25	49	37	46	78	29	32	20	23	24	87	37	34	57	87	82	53	84	35	59	69	46	61
01/02/10	52	51	49	33	50	58	51	46	62	84	38	21	18	57	49	16	17	17	22	33	40	48	26	58
01/03/10	62	79	70	50	62	61	50	60	80	75	21	70	27	59	29	18	16	19	35	12	23	55	51	46
01/04/10	64	55	50	28	47	28	13	11	11	9	9	10	17	16	34	74	78	50	34	24	40	79	24	32
01/05/10	22	61	66	87	75	26	13	65	59	28	44	66	80	65	21	23	31	15	9	15	24	37	30	65
01/06/10	30	28	15	30	14	36	33	22	30	86	36	31	31	54	23	21	16	16	34	39	13	35	42	44
01/07/10	16	12	13	16	18	15	54	42	94	50	53	90	69	81	52	18	25	20	29	46	36	51	62	46
01/08/10	27	18	20	18	18	17	15	15	12	12	20	19	17	36	41	44	41	29	13	18	35	78	70	71
01/09/10	40	79	90	60	70	60	68	75	26	51	51	81	60	59	37	31	41	35	27	17	54	35	41	72
01/10/10	38	70	97	48	61	43	26	66	45	19	28	46	70	62	54	58	68	62	38	71	37	23	30	22
01/11/10	24	31	61	64	51	40	52	50	58	31	56	59	74	56	69	39	41	57	38	33	29	42	77	55
01/12/10	53	56	66	66	93	48	37	61	53	33	37	42	59	42	76	79	63	57	22	24	76	35	62	81
01/13/10	64	58	46	27	38	26	17	22	52	38	44	37	21	20	36	25	13	26	26	22	41	47	52	30
01/14/10	48	25	17	46	13	24	22	69	52	72	62	58	45	27	35	37	50	66	79	44	32	18	18	15
01/15/10	13	17	25	99	55	70	15	16	37	84	83	67	90	49	71	64	40	65	32	58	74	73	21	13
01/16/10	16	16	13	13	32	47	41	26	59	37	79	37	25	49	51	28	55	24	31	13	8	20	21	13
01/17/10	18	20	22	75	48	72	16	11	10	14	29	61	44	23	27	14	35	28	14	49	20	15	15	16
01/18/10	16	59	56	54	26	26	24	45	32	71	31	22	30	30	30	49	17	22	23	15	14	25	71	28
01/19/10	18	67	39	74	31	73	26	27	28	19	19	21	30	30	43	20	18	26	13	89	37	60	25	33
01/20/10	79	53	85	43	60	56	18	42	INV	45	19	43	29	36	47	19	23	31	28	35	26	51	31	24
01/21/10	18	17	45	18	30	22	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV

Total Number of Observations: 485 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

FEBRUARY 2010

SIGMA THETA (degrees)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	12	58	34	14	23	9	31	36	56	45	14
02/06/10	11	13	11	10	49	29	46	13	11	39	28	42	38	22	27	30	33	22	21	14	56	53	71	20
02/07/10	25	51	17	25	29	79	34	33	67	63	23	21	19	25	14	23	14	13	16	24	17	25	19	35
02/08/10	43	29	15	57	41	37	17	50	50	50	20	58	69	34	39	29	43	16	29	31	23	25	8	11
02/09/10	7	51	20	12	10	19	8	10	12	59	28	53	28	19	33	30	31	27	18	25	24	49	17	14
02/10/10	12	22	10	74	23	9	75	56	64	27	67	29	24	34	25	37	21	36	72	38	29	43	11	15
02/11/10	26	19	17	25	35	41	70	46	29	45	34	35	40	24	21	21	19	14	22	30	14	60	64	68
02/12/10	18	25	67	27	14	58	59	33	5	26	69	50	35	34	30	29	24	19	25	26	11	24	16	3
02/13/10	24	35	43	28	17	14	30	19	68	39	70	32	41	60	18	22	17	15	20	17	23	39	33	48
02/14/10	47	33	48	46	47	76	16	71	65	33	31	30	64	90	36	42	21	20	19	23	15	83	54	55
02/15/10	80	28	84	67	89	57	13	17	12	10	11	15	17	21	28	55	28	26	16	13	85	40	39	48
02/16/10	45	48	61	16	16	15	18	16	16	10	9	11	12	17	38	23	29	25	24	13	62	16	15	48
02/17/10	64	66	74	36	24	32	55	61	35	33	28	40	59	72	45	49	41	27	33	8	11	34	36	11
02/18/10	43	28	16	22	38	26	19	64	22	18	24	47	26	25	28	25	18	20	18	44	10	53	27	25
02/19/10	16	8	31	40	24	38	45	35	37	49	17	24	31	22	22	19	20	17	20	46	40	68	35	36
02/20/10	60	23	9	67	38	44	40	18	27	30	16	19	34	23	27	35	41	21	27	20	26	40	27	87
02/21/10	49	15	14	14	15	26	34	26	24	12	15	13	23	31	33	27	47	44	51	63	33	47	64	31
02/22/10	38	44	42	21	16	17	21	16	17	16	17	17	34	15	29	25	44	44	52	38	65	55	45	39
02/23/10	18	40	67	55	27	30	22	14	42	41	39	71	79	26	80	73	39	52	62	27	64	42	27	37
02/24/10	50	41	44	80	75	53	52	58	59	96	62	58	28	16	31	34	29	14	19	26	25	19	45	46
02/25/10	58	19	15	8	18	18	27	31	50	36	24	22	34	22	14	15	15	12	34	38	9	8	37	44
02/26/10	22	23	18	15	15	13	13	17	15	17	26	19	57	29	63	33	66	18	44	56	81	77	32	32
02/27/10	31	32	32	33	41	44	55	41	34	43	37	33	62	45	30	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV

Total Number of Observations: 530 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

MARCH 2010

SIGMA THETA (degrees)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
03/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/06/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/07/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/08/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	47	37	7	68	86	87	59	28	20	23	16	15	25	26
03/16/10	24	34	21	20	23	54	58	35	30	42	25	83	55	52	45	79	66	80	70	46	16	15	37	27
03/17/10	26	19	57	19	19	39	34	75	85	100	67	51	63	61	64	85	30	72	36	24	23	24	28	42
03/18/10	44	48	51	39	72	83	40	55	40	24	41	49	20	24	26	21	23	15	13	23	35	14	17	19
03/19/10	19	9	25	18	14	24	11	7	16	77	36	63	46	44	24	16	15	19	17	34	25	13	29	46
03/20/10	23	61	51	18	18	15	17	27	23	69	80	56	57	38	45	33	51	34	20	36	8	68	42	18
03/21/10	14	20	20	31	76	45	47	17	27	42	38	47	49	24	52	24	39	20	21	23	10	21	60	38
03/22/10	40	77	37	23	15	53	21	51	62	48	35	36	52	41	31	25	23	14	23	21	41	50	25	32
03/23/10	2	32	76	68	89	60	32	22	71	25	48	18	18	47	94	38	27	16	16	19	16	53	17	25
03/24/10	26	32	23	19	48	50	24	84	38	82	67	47	61	39	34	30	21	17	41	22	18	72	37	8
03/25/10	55	21	42	19	19	54	64	60	69	51	39	27	29	23	43	30	28	21	28	17	33	33	23	11
03/26/10	19	45	29	22	48	23	40	18	19	15	21	31	22	34	23	17	20	13	14	18	79	27	14	24
03/27/10	12	28	34	64	34	57	26	46	28	90	55	43	53	44	47	37	51	49	38	21	31	45	35	23
03/28/10	22	32	45	65	37	46	41	61	65	56	36	62	22	31	67	30	38	37	45	17	11	9	31	51
03/29/10	59	46	35	46	26	73	22	31	51	80	29	63	38	77	31	20	20	13	21	28	23	47	54	25
03/30/10	39	44	51	18	32	25	35	28	59	27	34	39	48	27	24	35	33	23	14	19	58	18	7	15
03/31/10	18	71	29	47	35	19	23	17	17	17	26	22	25	26	16	19	15	15	14	13	17	16	19	38

Total Number of Observations: 398 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

APPENDIX KC2-C

HOURLY DIFFERENTIAL TEMPERATURE DATA

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

JANUARY 2010

10-METER TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
01/01/10	8.7	9.2	8.7	8.2	8.3	9.0	10.3	10.1	11.2	11.8	12.2	13.6	14.8	15.3	16.1	16.5	16.7	16.6	14.7	13.5	13.1	13.2	12.8	13.8	16.7	8.2	12.4
01/02/10	12.6	13.2	13.1	13.5	13.0	11.7	11.9	12.4	11.9	12.9	14.4	15.4	16.7	18.0	18.9	18.2	17.3	16.0	14.9	14.4	13.3	13.4	14.0	13.8	18.9	11.7	14.4
01/03/10	13.1	12.7	11.6	11.5	11.3	10.8	11.6	11.6	11.5	13.1	14.1	15.4	16.0	17.1	17.7	18.0	18.1	17.5	17.0	16.6	16.1	14.4	13.5	13.2	18.1	10.8	14.3
01/04/10	12.3	12.6	13.7	14.2	13.9	13.8	13.9	13.7	13.6	13.9	14.2	14.9	16.1	17.3	17.9	18.0	17.7	16.8	16.3	16.6	16.2	15.7	15.8	15.6	18.0	12.3	15.2
01/05/10	15.2	14.2	13.8	13.3	12.2	13.2	13.0	12.5	12.9	13.7	14.5	15.7	16.5	17.4	18.2	18.6	18.7	17.2	16.1	15.8	15.1	14.8	14.3	13.5	18.7	12.2	15.0
01/06/10	13.4	13.0	12.8	12.7	12.6	12.3	11.8	11.5	12.3	13.9	15.1	16.6	17.3	17.5	17.4	17.1	16.1	15.2	14.4	13.7	12.8	13.0	13.3	12.6	17.5	11.5	14.1
01/07/10	12.7	12.4	12.1	12.1	12.3	12.2	12.1	12.7	12.0	13.3	14.3	15.8	16.3	17.5	17.7	17.6	16.8	16.2	15.2	14.3	14.2	14.3	14.1	14.7	17.7	12.0	14.3
01/08/10	14.1	13.8	12.7	12.7	11.6	10.9	9.7	9.2	9.8	9.9	11.6	12.0	12.4	13.5	14.5	14.6	14.0	12.9	13.1	13.2	13.3	11.2	10.5	10.1	14.6	9.2	12.1
01/09/10	9.9	10.2	9.8	9.9	9.9	9.8	9.3	8.5	9.5	10.3	11.1	12.4	13.4	14.7	15.4	15.9	16.1	15.2	14.1	13.5	13.5	13.4	13.4	13.4	16.1	8.5	12.2
01/10/10	12.8	12.8	12.6	12.7	12.6	12.3	12.3	11.7	12.0	12.8	13.4	13.9	14.6	15.4	15.6	15.5	15.2	14.5	14.3	14.3	13.9	14.4	14.2	14.1	15.6	11.7	13.7
01/11/10	13.9	13.4	12.7	11.9	12.8	12.9	12.5	11.3	12.0	13.1	14.8	15.5	16.5	17.5	18.4	18.7	18.5	17.6	17.7	17.5	16.3	17.1	16.1	15.0	18.7	11.3	15.2
01/12/10	14.9	14.5	14.6	14.7	14.3	13.7	12.9	13.3	13.8	14.6	15.5	16.7	17.7	18.4	19.1	19.5	19.3	18.6	17.9	17.9	17.4	17.2	16.8	16.6	19.5	12.9	16.2
01/13/10	16.1	16.1	16.0	15.3	14.8	14.9	14.4	14.4	14.7	14.8	15.9	17.0	17.2	17.6	17.9	18.1	17.7	16.7	15.5	14.9	13.7	13.5	14.0	11.9	18.1	11.9	15.5
01/14/10	7.9	9.3	9.1	9.1	8.7	8.8	7.9	7.7	7.5	8.9	10.8	11.8	12.7	13.6	14.9	15.5	15.7	15.1	14.0	13.3	12.8	12.3	12.2	12.2	15.7	7.5	11.3
01/15/10	13.5	13.8	14.5	12.9	12.8	12.4	12.1	11.7	11.6	12.4	13.8	14.8	16.1	17.3	18.0	18.6	18.6	17.5	16.2	15.5	14.8	14.6	14.2	13.9	18.6	11.6	14.6
01/16/10	13.3	13.4	13.4	13.3	13.0	13.3	13.1	13.0	13.5	14.2	15.3	16.2	16.8	16.8	16.9	17.2	17.4	16.8	15.5	14.7	14.5	13.9	14.2	14.2	17.4	13.0	14.7
01/17/10	14.3	13.7	13.0	12.1	11.5	10.7	11.6	11.9	11.7	12.0	12.6	13.7	14.8	15.4	15.9	16.0	15.8	15.4	14.3	13.7	13.3	13.5	13.4	13.5	16.0	10.7	13.5
01/18/10	13.4	12.1	12.1	11.6	12.0	12.1	12.1	11.4	10.8	10.1	10.6	11.7	12.4	12.8	13.6	13.2	12.6	12.7	13.7	13.2	12.4	12.9	13.2	11.7	13.7	10.1	12.3
01/19/10	11.7	12.8	12.0	12.2	10.1	8.4	8.8	9.4	9.5	10.5	11.3	11.9	12.8	13.3	13.9	14.0	14.1	13.7	13.9	12.5	10.1	10.1	9.6	9.0	14.1	8.4	11.5
01/20/10	7.4	8.1	7.9	7.6	6.5	6.5	6.5	6.5	INV	7.4	8.0	9.0	10.1	10.8	11.3	11.8	12.3	12.2	11.7	11.3	11.7	10.8	11.4	11.6	12.3	6.5	9.5
01/21/10	11.4	11.2	9.7	10.1	9.7	9.7	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	12.5	12.5	12.2	12.0	11.6	11.4	11.4	11.2	11.7	12.2	13.2	14.2	15.0	15.9	16.5	16.6	16.4	15.7	15.0	14.5	13.9	13.7	13.5	13.2			

Maximum Hourly Temperature: 19.5 **Minimum Hourly Temperature:** 6.5 **Average Monthly Temperature:** 13.6

Maximum 24-Hour Mean: 16.2 **Minimum 24-Hour Mean:** 9.5

Total Number of Observations: 485 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

JANUARY 2010

2-METER TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
01/01/10	8.1	8.5	8.0	7.5	7.6	8.6	10.1	9.9	11.1	12.0	12.7	14.1	15.7	16.1	16.6	16.9	16.9	16.4	14.4	13.1	12.7	12.6	12.4	13.4	16.9	7.5	12.3
01/02/10	11.8	12.8	12.6	13.2	12.7	11.1	11.4	12.0	11.8	13.2	15.2	16.2	17.7	19.0	19.5	18.7	17.6	16.0	14.1	13.1	12.1	12.0	13.1	13.1	19.5	11.1	14.2
01/03/10	12.1	11.8	10.4	10.4	10.5	9.5	10.6	10.7	11.0	13.5	15.0	16.0	16.9	17.8	18.6	18.6	18.2	17.3	16.6	16.3	15.8	13.7	12.9	12.7	18.6	9.5	14.0
01/04/10	11.5	11.8	13.3	13.9	13.5	13.5	13.5	13.4	13.5	14.2	14.8	15.6	16.8	18.1	18.6	18.4	18.0	16.7	16.1	16.5	16.1	15.5	15.6	15.4	18.6	11.5	15.2
01/05/10	14.9	13.9	13.5	13.0	11.6	12.8	12.6	12.3	12.8	14.1	14.9	16.0	17.0	18.2	19.2	19.3	18.9	17.0	15.7	15.4	14.7	14.1	13.5	12.6	19.3	11.6	14.9
01/06/10	11.8	11.8	11.8	11.9	11.8	11.9	11.1	11.0	12.0	14.1	15.7	17.2	18.2	18.1	18.0	17.5	16.2	15.2	13.8	12.9	12.2	11.9	11.8	11.1	18.2	11.0	13.7
01/07/10	11.1	11.9	11.6	11.6	11.9	11.8	11.6	12.3	11.6	13.5	14.5	16.1	16.7	18.0	18.1	17.9	17.0	16.1	14.1	13.4	13.1	13.5	13.4	14.2	18.1	11.1	13.9
01/08/10	13.6	13.4	12.5	12.5	11.5	10.8	9.6	9.1	9.8	10.2	12.2	12.9	13.4	14.4	15.1	15.0	14.2	12.9	12.8	12.9	13.0	11.0	10.2	9.7	15.1	9.1	12.2
01/09/10	9.4	10.0	9.7	9.8	9.8	9.7	9.1	8.4	9.5	10.3	11.5	12.8	14.0	15.3	16.1	16.4	16.2	15.0	13.8	13.2	13.3	13.0	13.1	13.2	16.4	8.4	12.2
01/10/10	12.5	12.6	12.4	12.4	12.4	12.1	12.0	11.6	12.0	12.9	13.8	14.3	15.0	15.8	15.9	15.7	15.2	14.5	14.2	14.2	13.7	14.2	14.0	13.8	15.9	11.6	13.6
01/11/10	13.6	13.1	12.4	11.5	12.5	12.6	12.2	10.9	11.6	13.4	15.5	16.2	17.3	18.3	19.1	19.2	18.7	17.6	17.5	17.3	15.8	16.9	15.9	14.4	19.2	10.9	15.1
01/12/10	14.6	14.3	14.5	14.5	14.1	13.4	12.5	13.1	13.7	14.8	15.9	17.2	18.4	19.0	19.7	19.9	19.6	18.5	17.7	17.7	17.3	17.1	16.7	16.6	19.9	12.5	16.3
01/13/10	16.0	16.0	15.9	15.0	14.7	14.7	14.1	14.3	14.6	14.9	16.4	17.6	18.0	18.5	18.7	18.8	18.0	16.6	15.1	13.7	12.7	12.7	13.6	11.6	18.8	11.6	15.5
01/14/10	7.5	9.0	8.8	8.7	8.1	8.4	7.5	7.3	7.3	9.3	11.3	12.3	13.1	14.0	15.2	15.8	15.8	14.9	13.7	13.0	12.6	12.2	12.1	12.1	15.8	7.3	11.2
01/15/10	13.2	13.4	14.1	12.5	12.3	11.9	11.8	11.1	11.4	12.8	14.4	15.5	16.5	17.9	18.7	18.9	18.8	17.4	15.3	14.5	14.2	13.8	13.5	13.3	18.9	11.1	14.5
01/16/10	12.8	12.9	12.9	12.8	12.5	13.0	12.8	12.7	13.5	14.2	15.5	16.6	17.2	17.3	17.2	17.5	17.6	16.6	14.7	14.1	13.8	13.3	13.3	12.9	17.6	12.5	14.5
01/17/10	13.2	12.6	12.0	11.5	10.4	10.2	11.0	11.4	11.5	12.0	12.8	14.1	15.2	15.9	16.5	16.4	16.1	15.4	13.3	12.3	12.4	12.0	11.6	12.1	16.5	10.2	13.0
01/18/10	12.3	11.3	11.3	11.0	11.5	11.6	11.6	11.3	10.6	10.1	10.7	12.1	12.6	13.3	13.7	13.3	12.7	12.6	13.4	13.0	12.3	12.8	12.8	11.4	13.7	10.1	12.0
01/19/10	11.4	12.5	11.5	11.8	9.9	8.3	8.6	9.2	9.5	11.0	12.0	12.7	13.6	14.2	14.6	14.3	14.2	13.7	13.7	12.3	10.1	10.0	9.6	9.0	14.6	8.3	11.6
01/20/10	7.4	8.0	7.9	7.6	6.5	6.5	6.6	6.5	INV	7.8	8.4	9.5	10.7	11.4	11.9	12.2	12.5	12.0	11.5	11.1	11.3	10.5	11.2	11.4	12.5	6.5	9.6
01/21/10	11.2	11.0	9.5	10.0	9.6	9.7	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	11.9	12.0	11.7	11.6	11.2	11.0	11.0	10.9	11.5	12.4	13.7	14.7	15.7	16.5	17.0	17.0	16.6	15.6	14.6	14.0	13.5	13.1	13.0	12.7			

Maximum Hourly Temperature: 19.9 **Minimum Hourly Temperature:** 6.5 **Average Monthly Temperature:** 13.5

Maximum 24-Hour Mean: 16.3 **Minimum 24-Hour Mean:** 9.6

Total Number of Observations: 485 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

JANUARY 2010

DIFFERENTIAL TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
01/01/10	0.585	0.663	0.616	0.700	0.668	0.432	0.233	0.209	0.087	-0.202	-0.495	-0.550	-0.929	-0.821	-0.530	-0.410	-0.170	0.128	0.282	0.416	0.455	0.562	0.382	0.467	0.700	-0.929	0.116
01/02/10	0.797	0.480	0.455	0.351	0.284	0.570	0.551	0.378	0.173	-0.288	-0.754	-0.841	-1.068	-0.980	-0.602	-0.537	-0.275	0.065	0.842	1.246	1.199	1.332	0.950	0.724	1.332	-1.068	0.211
01/03/10	0.979	0.948	1.172	1.151	0.850	1.283	1.046	0.968	0.464	-0.328	-0.854	-0.678	-0.903	-0.770	-0.845	-0.531	-0.072	0.223	0.397	0.343	0.296	0.657	0.627	0.511	1.283	-0.903	0.289
01/04/10	0.760	0.756	0.408	0.343	0.386	0.315	0.346	0.311	0.098	-0.329	-0.588	-0.714	-0.729	-0.847	-0.678	-0.378	-0.233	0.091	0.123	0.125	0.154	0.180	0.204	0.175	0.760	-0.847	0.012
01/05/10	0.286	0.276	0.314	0.285	0.584	0.392	0.379	0.162	0.025	-0.328	-0.385	-0.363	-0.483	-0.748	-1.027	-0.700	-0.242	0.151	0.350	0.399	0.409	0.691	0.811	0.912	0.912	-1.027	0.090
01/06/10	1.633	1.172	1.014	0.800	0.808	0.451	0.638	0.491	0.296	-0.161	-0.605	-0.584	-0.820	-0.612	-0.617	-0.476	-0.168	0.050	0.580	0.816	0.601	1.153	1.493	1.511	1.633	-0.820	0.394
01/07/10	1.613	0.519	0.448	0.517	0.388	0.337	0.510	0.394	0.343	-0.198	-0.167	-0.260	-0.399	-0.493	-0.337	-0.310	-0.182	0.052	1.071	0.885	1.165	0.763	0.789	0.470	1.613	-0.493	0.330
01/08/10	0.445	0.341	0.169	0.179	0.156	0.111	0.092	0.123	0.016	-0.347	-0.644	-0.914	-1.058	-0.919	-0.678	-0.459	-0.208	0.041	0.240	0.222	0.245	0.199	0.297	0.482	0.482	-1.058	-0.078
01/09/10	0.427	0.158	0.132	0.087	0.098	0.120	0.172	0.142	0.072	-0.073	-0.385	-0.452	-0.631	-0.613	-0.688	-0.497	-0.165	0.149	0.236	0.314	0.163	0.376	0.311	0.163	0.427	-0.688	-0.016
01/10/10	0.290	0.205	0.201	0.269	0.172	0.189	0.258	0.126	0.037	-0.113	-0.325	-0.359	-0.382	-0.449	-0.304	-0.204	-0.047	0.013	0.093	0.099	0.242	0.261	0.168	0.300	0.300	-0.449	0.031
01/11/10	0.251	0.329	0.282	0.448	0.325	0.312	0.281	0.392	0.346	-0.294	-0.696	-0.710	-0.743	-0.811	-0.680	-0.550	-0.270	0.018	0.135	0.211	0.538	0.245	0.276	0.632	0.632	-0.811	0.011
01/12/10	0.297	0.195	0.183	0.198	0.176	0.264	0.383	0.214	0.056	-0.223	-0.410	-0.470	-0.718	-0.622	-0.588	-0.460	-0.248	0.046	0.173	0.182	0.056	0.164	0.092	0.094	0.383	-0.718	-0.040
01/13/10	0.115	0.110	0.104	0.228	0.109	0.233	0.225	0.192	0.051	-0.106	-0.563	-0.643	-0.852	-0.826	-0.766	-0.699	-0.355	0.055	0.464	1.174	0.922	0.800	0.337	0.340	1.174	-0.852	0.027
01/14/10	0.368	0.296	0.349	0.415	0.651	0.384	0.356	0.480	0.187	-0.363	-0.487	-0.506	-0.402	-0.350	-0.297	-0.241	-0.080	0.120	0.375	0.259	0.253	0.098	0.132	0.160	0.651	-0.506	0.090
01/15/10	0.274	0.341	0.391	0.342	0.561	0.511	0.289	0.548	0.228	-0.325	-0.596	-0.715	-0.447	-0.567	-0.700	-0.381	-0.178	0.135	0.876	0.991	0.627	0.765	0.747	0.581	0.991	-0.715	0.179
01/16/10	0.465	0.513	0.522	0.513	0.442	0.273	0.305	0.289	0.089	-0.050	-0.248	-0.369	-0.492	-0.445	-0.384	-0.321	-0.242	0.215	0.794	0.611	0.667	0.571	0.880	1.341	1.341	-0.492	0.247
01/17/10	1.075	1.132	0.978	0.654	1.078	0.530	0.626	0.486	0.265	0.030	-0.192	-0.369	-0.464	-0.469	-0.521	-0.381	-0.293	0.032	1.035	1.390	0.824	1.495	1.787	1.333	1.787	-0.521	0.503
01/18/10	1.091	0.826	0.785	0.595	0.550	0.462	0.499	0.187	0.141	0.012	-0.116	-0.355	-0.159	-0.590	-0.081	-0.115	-0.059	0.129	0.257	0.215	0.108	0.131	0.303	0.329	1.091	-0.590	0.214
01/19/10	0.349	0.340	0.493	0.428	0.199	0.126	0.163	0.140	-0.048	-0.442	-0.669	-0.876	-0.874	-0.850	-0.654	-0.271	-0.128	0.007	0.177	0.178	0.018	0.090	-0.018	-0.037	0.493	-0.876	-0.090
01/20/10	-0.029	0.123	0.043	0.041	-0.051	-0.024	-0.070	-0.016	INV	-0.341	-0.406	-0.513	-0.607	-0.596	-0.589	-0.377	-0.227	0.121	0.220	0.206	0.449	0.299	0.235	0.216	0.449	-0.607	-0.082
01/21/10	0.279	0.200	0.272	0.138	0.108	0.060	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	0.588	0.473	0.444	0.413	0.407	0.349	0.364	0.311	0.154	-0.223	-0.479	-0.562	-0.658	-0.669	-0.578	-0.415	-0.192	0.092	0.436	0.514	0.470	0.542	0.540	0.535			

Maximum Hourly Differential Temperature: 1.787 **Minimum Hourly Differential Temperature:** -1.068

Total Number of Observations: 485 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

FEBRUARY 2010

10-METER TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	14.7	14.9	15.2	14.7	14.4	13.9	13.1	12.9	12.1	11.6	12.4	INV	INV	INV
02/06/10	12.4	12.2	12.1	11.8	11.5	11.6	11.6	11.7	11.8	12.0	13.6	14.8	15.5	15.8	16.4	16.2	16.0	14.9	14.1	13.7	13.4	13.6	13.1	12.1	16.4	11.5	13.4
02/07/10	11.5	10.6	10.5	10.4	9.2	8.5	7.4	6.6	6.6	7.3	8.3	8.7	9.2	9.6	10.2	10.2	10.1	9.8	9.0	8.4	8.1	7.9	7.9	7.9	11.5	6.6	8.9
02/08/10	7.4	7.5	7.4	7.1	7.0	6.6	6.9	6.6	6.7	7.8	8.5	8.7	9.3	9.8	10.3	10.4	10.4	10.3	9.8	9.3	8.6	7.9	8.2	7.9	10.4	6.6	8.4
02/09/10	7.8	7.6	7.5	7.5	7.8	7.5	7.3	7.2	8.0	9.2	10.6	11.4	12.2	12.7	13.0	13.3	13.2	13.0	12.2	11.3	10.9	10.1	10.2	10.4	13.3	7.2	10.1
02/10/10	10.5	10.2	10.7	9.7	9.4	9.3	8.6	8.5	9.2	9.5	10.4	10.9	11.3	9.0	7.5	7.7	7.8	7.5	7.4	6.8	6.9	6.3	6.2	6.7	11.3	6.2	8.7
02/11/10	6.5	6.2	6.0	5.7	5.6	5.3	5.2	5.1	5.6	6.4	7.5	8.2	9.3	10.2	10.8	10.9	11.0	10.8	10.2	9.8	9.5	8.4	8.2	8.3	11.0	5.1	7.9
02/12/10	8.4	8.5	8.2	7.7	7.8	7.3	6.7	7.2	7.7	9.1	10.2	11.4	12.6	13.3	13.7	14.1	14.1	13.7	12.7	12.2	11.6	11.3	11.0	10.5	14.1	6.7	10.5
02/13/10	10.6	10.1	10.4	9.8	9.6	10.0	9.8	10.6	11.3	13.2	14.7	16.2	17.5	17.9	17.3	17.5	17.4	17.0	16.0	15.3	14.5	13.7	13.2	12.9	17.9	9.6	13.6
02/14/10	13.0	13.6	14.2	13.3	13.1	14.1	14.8	12.8	13.6	15.6	15.5	16.3	17.5	18.5	19.4	19.9	19.9	19.5	18.6	17.2	16.4	16.5	16.1	14.5	19.9	12.8	16.0
02/15/10	15.4	15.3	14.6	13.5	14.5	14.6	14.4	13.9	13.8	14.5	14.3	15.4	16.1	16.6	17.3	17.8	17.9	17.4	16.3	15.9	15.1	13.8	14.0	13.6	17.9	13.5	15.2
02/16/10	14.4	13.4	13.5	13.8	13.9	13.1	12.9	12.9	12.9	13.6	14.4	15.3	16.7	17.8	18.6	18.8	18.9	18.8	17.9	17.0	16.7	17.0	16.6	15.6	18.9	12.9	15.6
02/17/10	15.1	14.8	14.2	14.7	14.4	14.1	14.0	13.8	14.1	14.9	15.9	17.1	18.2	19.4	19.7	19.9	20.3	19.5	18.4	17.1	16.7	16.4	15.6	15.4	20.3	13.8	16.4
02/18/10	14.6	14.5	14.0	13.4	12.9	12.4	12.5	12.1	12.6	14.1	16.1	16.9	17.4	17.6	17.6	17.6	17.4	17.0	16.1	15.4	15.1	13.8	13.6	12.8	17.6	12.1	14.9
02/19/10	13.3	13.3	12.6	12.0	12.3	12.0	10.9	12.0	12.3	13.6	14.9	16.3	17.2	17.8	18.3	18.8	18.9	18.8	17.9	16.7	15.8	15.5	14.8	13.8	18.9	10.9	15.0
02/20/10	13.6	12.3	12.1	11.6	10.1	10.5	10.2	9.8	9.6	9.7	8.4	7.4	6.6	6.9	7.1	7.5	8.2	8.6	8.3	8.2	8.1	7.5	7.6	7.5	13.6	6.6	9.1
02/21/10	7.9	8.2	8.4	8.3	8.2	8.0	7.6	7.7	8.0	8.4	8.9	9.5	9.7	9.2	9.2	9.5	8.9	9.3	8.8	9.2	9.1	9.2	8.9	8.7	9.7	7.6	8.7
02/22/10	8.5	8.4	8.4	8.0	8.0	7.6	7.1	7.3	7.3	7.3	7.1	6.9	7.6	5.7	6.2	6.9	7.6	7.0	4.9	4.1	4.1	4.4	4.6	4.6	8.5	4.1	6.7
02/23/10	3.7	3.8	3.2	2.6	2.5	2.9	2.9	3.1	4.3	4.7	6.0	7.6	9.1	9.7	11.0	11.8	11.9	11.6	10.3	8.6	7.8	7.3	8.6	8.6	11.9	2.5	6.8
02/24/10	7.8	7.5	8.1	8.6	8.4	8.6	8.3	8.6	8.9	9.7	11.1	12.6	14.0	14.8	16.0	16.3	15.9	14.6	13.0	11.7	11.5	11.9	11.0	10.2	16.3	7.5	11.2
02/25/10	10.4	10.2	10.6	9.9	10.0	10.4	9.5	8.8	11.5	13.7	13.5	14.1	14.8	15.0	15.1	15.2	15.2	14.7	13.0	12.0	12.5	12.5	11.8	11.3	15.2	8.8	12.3
02/26/10	12.2	12.2	12.6	12.2	11.7	11.4	11.3	10.9	10.8	11.6	12.5	13.8	15.7	16.6	17.2	16.8	15.9	15.0	13.7	14.1	14.2	14.7	15.2	14.9	17.2	10.8	13.6
02/27/10	15.1	15.1	14.6	14.3	14.1	13.9	13.5	13.0	13.3	13.8	14.2	14.8	16.0	16.9	17.3	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	10.9	10.7	10.6	10.3	10.1	10.0	9.7	9.6	10.0	10.9	11.7	12.5	13.3	13.7	14.1	14.2	14.1	13.8	12.8	12.1	11.8	11.4	11.3	10.9			

Maximum Hourly Temperature: 20.3 **Minimum Hourly Temperature:** 2.5 **Average Monthly Temperature:** 11.6

Maximum 24-Hour Mean: 16.4 **Minimum 24-Hour Mean:** 6.7

Total Number of Observations: 530 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

FEBRUARY 2010

2-METER TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	16.0	15.6	15.7	15.1	14.6	13.7	12.5	12.5	11.3	10.7	11.5	INV	INV	INV
02/06/10	11.8	11.6	11.5	11.5	11.0	11.1	10.8	11.4	11.7	12.3	14.2	15.5	16.5	16.6	17.4	16.8	16.3	15.1	13.8	13.5	13.1	13.2	12.9	12.0	17.4	10.8	13.4
02/07/10	11.2	10.3	10.2	10.4	9.2	8.5	7.5	6.8	6.6	7.5	8.8	9.4	9.9	10.3	11.0	10.8	10.4	9.9	8.9	8.2	7.8	7.2	7.4	7.7	11.2	6.6	9.0
02/08/10	7.2	7.4	7.3	6.9	6.8	6.4	6.7	6.5	6.7	8.4	9.0	9.2	9.9	10.3	10.9	10.8	10.6	10.4	9.6	8.6	7.9	7.4	7.8	7.4	10.9	6.4	8.3
02/09/10	7.3	7.1	6.9	7.0	7.2	6.9	6.7	6.7	7.9	9.6	11.3	12.1	13.1	13.4	13.8	13.9	13.6	13.2	12.0	10.7	10.5	9.5	9.5	9.8	13.9	6.7	10.0
02/10/10	10.0	9.7	10.2	9.2	9.0	8.9	8.2	8.0	9.1	9.9	10.8	11.4	11.8	9.2	7.8	7.9	8.0	7.6	7.4	6.7	6.6	6.1	5.9	6.3	11.8	5.9	8.6
02/11/10	6.1	6.0	6.0	5.6	5.2	5.1	5.2	5.2	5.8	6.8	8.0	8.8	10.1	11.3	11.9	11.8	11.6	11.1	10.2	9.7	9.1	8.0	7.7	7.9	11.9	5.1	8.1
02/12/10	8.1	8.0	7.8	7.0	6.7	6.2	5.9	6.2	7.5	9.5	10.7	12.2	13.4	14.1	14.5	14.7	14.6	14.0	12.8	11.8	10.6	10.2	9.8	9.4	14.7	5.9	10.2
02/13/10	9.8	9.2	9.5	8.5	8.3	8.2	8.5	10.0	10.8	13.7	15.1	16.9	18.2	19.0	18.2	18.2	17.9	17.2	15.9	14.3	13.1	12.3	12.1	11.5	19.0	8.2	13.2
02/14/10	11.5	12.8	13.4	12.7	12.6	13.7	14.4	12.4	13.5	16.0	16.2	17.1	18.4	19.4	20.0	20.4	20.2	19.6	18.5	16.9	16.1	16.3	15.8	14.2	20.4	11.5	15.9
02/15/10	15.1	15.0	14.3	13.2	14.2	14.2	14.0	13.7	13.9	15.0	15.2	16.3	17.3	17.8	18.2	18.5	18.4	17.5	16.1	15.5	14.6	13.3	13.4	13.1	18.5	13.1	15.3
02/16/10	13.9	13.1	13.2	13.5	13.7	12.9	12.7	12.7	13.1	14.1	15.1	16.2	17.7	19.0	19.5	19.6	19.5	18.9	17.6	16.5	16.4	16.7	16.3	15.2	19.6	12.7	15.7
02/17/10	14.5	14.4	13.9	14.4	14.1	14.0	13.8	13.7	14.2	15.3	16.6	17.8	19.1	20.5	20.6	20.5	20.9	19.7	18.2	16.1	16.1	15.9	14.6	14.5	20.9	13.7	16.4
02/18/10	13.3	13.0	12.5	12.2	11.7	11.0	11.4	11.4	12.5	14.7	17.0	17.7	18.2	18.5	18.5	18.3	18.1	17.4	16.0	14.7	13.5	13.0	12.6	11.9	18.5	11.0	14.5
02/19/10	12.4	12.8	12.2	11.1	11.3	11.3	10.4	11.4	12.4	14.1	15.7	17.3	18.4	19.2	19.5	19.8	19.5	19.0	17.7	16.4	15.2	14.9	14.1	13.0	19.8	10.4	15.0
02/20/10	12.5	11.3	10.6	10.4	9.3	9.9	9.5	9.4	9.8	10.0	8.6	7.6	6.7	7.1	7.4	7.8	8.5	8.8	8.3	8.2	8.0	7.5	7.6	7.6	12.5	6.7	8.8
02/21/10	7.9	8.1	8.3	8.3	8.2	8.0	7.6	7.7	8.1	8.6	9.1	9.7	9.9	9.4	9.5	9.8	9.0	9.4	8.8	9.0	9.1	9.2	8.9	8.7	9.9	7.6	8.8
02/22/10	8.6	8.4	8.4	8.0	8.0	7.6	7.2	7.4	7.4	7.4	7.3	7.2	8.0	5.9	6.5	7.0	7.8	7.0	5.0	4.2	4.1	4.3	4.3	4.3	8.6	4.1	6.7
02/23/10	3.2	3.5	2.9	2.2	2.0	2.5	2.4	2.7	4.1	5.0	6.5	8.1	9.8	10.7	11.7	12.4	12.4	11.8	10.0	8.1	7.0	6.4	8.0	8.1	12.4	2.0	6.7
02/24/10	7.2	6.7	7.7	8.3	8.2	8.3	8.2	8.4	8.8	9.8	11.4	13.3	15.3	15.9	17.0	17.2	16.4	14.8	12.9	11.3	10.6	11.2	10.7	9.8	17.2	6.7	11.2
02/25/10	9.7	9.6	10.0	9.5	9.7	9.8	9.0	8.3	11.0	14.3	14.6	15.4	16.0	16.3	16.2	16.1	15.9	15.0	12.8	11.4	10.7	11.1	10.9	10.5	16.3	8.3	12.2
02/26/10	11.4	11.5	12.1	11.9	11.4	10.9	10.9	10.5	11.1	12.2	13.1	14.7	16.5	17.8	18.3	17.3	16.4	15.4	13.6	13.4	13.8	14.2	14.9	14.6	18.3	10.5	13.7
02/27/10	14.8	14.8	14.3	14.0	13.9	13.8	13.4	12.9	13.3	13.8	14.3	15.0	16.2	17.4	17.6	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	10.3	10.2	10.1	9.8	9.6	9.5	9.3	9.2	10.0	11.3	12.2	13.1	14.1	14.6	14.8	14.8	14.6	14.0	12.7	11.7	11.2	10.9	10.7	10.4			

Maximum Hourly Temperature: 20.9 **Minimum Hourly Temperature:** 2.0 **Average Monthly Temperature:** 11.5

Maximum 24-Hour Mean: 16.4 **Minimum 24-Hour Mean:** 6.7

Total Number of Observations: 530 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

FEBRUARY 2010

DIFFERENTIAL TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	-1.232	-0.731	-0.518	-0.368	-0.189	0.207	0.589	0.422	0.748	0.920	0.829	INV	INV	INV
02/06/10	0.632	0.644	0.593	0.304	0.448	0.540	0.771	0.343	0.030	-0.369	-0.552	-0.720	-0.961	-0.894	-0.978	-0.558	-0.295	-0.193	0.268	0.166	0.313	0.388	0.242	0.066	0.771	-0.978	0.010
02/07/10	0.262	0.324	0.309	0.072	0.036	-0.008	-0.092	-0.119	0.013	-0.194	-0.521	-0.691	-0.664	-0.618	-0.749	-0.561	-0.295	-0.119	0.079	0.133	0.293	0.670	0.448	0.266	0.670	-0.749	-0.072
02/08/10	0.211	0.183	0.156	0.192	0.228	0.262	0.222	0.139	-0.003	-0.513	-0.512	-0.486	-0.607	-0.549	-0.587	-0.400	-0.209	-0.081	0.130	0.784	0.730	0.478	0.483	0.482	0.784	-0.607	0.031
02/09/10	0.532	0.482	0.535	0.532	0.606	0.589	0.548	0.498	0.086	-0.389	-0.754	-0.707	-0.933	-0.747	-0.786	-0.642	-0.376	-0.168	0.145	0.547	0.452	0.594	0.792	0.542	0.792	-0.933	0.082
02/10/10	0.537	0.506	0.536	0.504	0.452	0.412	0.405	0.478	0.034	-0.397	-0.433	-0.514	-0.466	-0.199	-0.320	-0.228	-0.253	-0.138	0.004	0.117	0.373	0.172	0.353	0.414	0.537	-0.514	0.098
02/11/10	0.393	0.206	-0.036	0.067	0.456	0.176	-0.039	-0.087	-0.144	-0.398	-0.481	-0.598	-0.796	-1.053	-1.089	-0.903	-0.667	-0.294	-0.063	0.107	0.402	0.454	0.499	0.470	0.499	-1.089	-0.142
02/12/10	0.390	0.451	0.359	0.666	1.099	1.119	0.799	0.969	0.225	-0.427	-0.507	-0.778	-0.809	-0.756	-0.777	-0.586	-0.551	-0.278	-0.051	0.320	0.945	1.090	1.142	1.099	1.142	-0.809	0.215
02/13/10	0.805	0.868	0.890	1.321	1.342	1.819	1.312	0.560	0.511	-0.501	-0.430	-0.743	-0.713	-1.012	-0.854	-0.684	-0.524	-0.205	0.104	0.967	1.481	1.374	1.141	1.356	1.819	-1.012	0.424
02/14/10	1.531	0.886	0.766	0.654	0.464	0.388	0.386	0.411	0.139	-0.380	-0.659	-0.830	-0.886	-0.892	-0.543	-0.515	-0.301	-0.087	0.107	0.283	0.345	0.220	0.239	0.350	1.531	-0.892	0.087
02/15/10	0.275	0.278	0.264	0.291	0.289	0.375	0.345	0.201	-0.072	-0.571	-0.853	-0.959	-1.181	-1.153	-0.897	-0.739	-0.510	-0.155	0.145	0.312	0.539	0.583	0.611	0.493	0.611	-1.181	-0.087
02/16/10	0.496	0.318	0.275	0.320	0.263	0.220	0.184	0.174	-0.147	-0.522	-0.775	-0.928	-1.050	-1.158	-0.983	-0.815	-0.568	-0.115	0.262	0.443	0.363	0.362	0.363	0.431	0.496	-1.158	-0.108
02/17/10	0.518	0.366	0.295	0.303	0.314	0.141	0.117	0.084	-0.049	-0.381	-0.622	-0.684	-0.940	-1.090	-0.888	-0.634	-0.622	-0.233	0.174	1.001	0.563	0.456	0.980	0.873	1.001	-1.090	0.002
02/18/10	1.295	1.436	1.485	1.196	1.207	1.468	1.096	0.646	0.089	-0.533	-0.853	-0.780	-0.873	-0.895	-0.904	-0.764	-0.677	-0.322	0.104	0.699	1.538	0.805	0.958	0.895	1.538	-0.904	0.347
02/19/10	0.918	0.541	0.440	0.942	0.928	0.637	0.463	0.626	-0.070	-0.548	-0.763	-1.027	-1.188	-1.391	-1.140	-0.974	-0.637	-0.221	0.146	0.321	0.623	0.582	0.683	0.800	0.942	-1.391	0.029
02/20/10	1.042	0.980	1.513	1.246	0.751	0.634	0.661	0.432	-0.202	-0.309	-0.166	-0.148	-0.162	-0.264	-0.243	-0.286	-0.244	-0.161	-0.034	0.041	0.016	-0.006	0.010	-0.031	1.513	-0.309	0.211
02/21/10	0.044	0.016	0.025	0.037	0.020	0.003	-0.011	-0.008	-0.117	-0.178	-0.203	-0.229	-0.172	-0.167	-0.273	-0.217	-0.127	-0.129	0.046	0.190	0.034	0.030	0.077	0.022	0.190	-0.273	-0.054
02/22/10	-0.020	0.005	-0.006	-0.007	0.033	-0.004	-0.045	-0.047	-0.076	-0.078	-0.158	-0.246	-0.388	-0.200	-0.264	-0.152	-0.152	-0.045	-0.088	-0.041	-0.023	0.120	0.261	0.320	0.320	-0.388	-0.054
02/23/10	0.471	0.374	0.328	0.408	0.502	0.403	0.409	0.425	0.117	-0.321	-0.532	-0.454	-0.654	-1.021	-0.723	-0.630	-0.496	-0.165	0.279	0.482	0.755	0.844	0.655	0.494	0.844	-1.021	0.081
02/24/10	0.671	0.722	0.463	0.363	0.257	0.259	0.173	0.159	0.092	-0.095	-0.354	-0.701	-1.315	-1.120	-1.048	-0.899	-0.547	-0.221	0.119	0.354	0.949	0.670	0.285	0.445	0.949	-1.315	-0.013
02/25/10	0.714	0.637	0.662	0.414	0.346	0.574	0.497	0.578	0.485	-0.657	-1.098	-1.215	-1.196	-1.289	-1.065	-0.940	-0.741	-0.308	0.223	0.618	1.762	1.413	0.812	0.868	1.762	-1.289	0.087
02/26/10	0.880	0.642	0.500	0.337	0.381	0.461	0.402	0.337	-0.249	-0.599	-0.613	-0.900	-0.805	-1.245	-1.057	-0.543	-0.531	-0.383	0.084	0.657	0.419	0.466	0.246	0.270	0.880	-1.245	-0.035
02/27/10	0.258	0.260	0.271	0.272	0.204	0.149	0.094	0.055	0.041	-0.020	-0.086	-0.146	-0.229	-0.423	-0.314	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	0.584	0.506	0.483	0.474	0.483	0.483	0.395	0.312	0.033	-0.381	-0.542	-0.658	-0.772	-0.842	-0.748	-0.599	-0.441	-0.191	0.109	0.413	0.604	0.569	0.555	0.534			

Maximum Hourly Differential Temperature: 1.819 **Minimum Hourly Differential Temperature:** -1.391

Total Number of Observations: 530 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

MARCH 2010

10-METER TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
03/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/06/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/07/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/08/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	13.5	18.9	19.6	17.5	18.2	19.0	19.4	19.4	18.8	17.9	17.3	17.1	16.3	15.9	INV	INV	INV
03/16/10	15.6	14.9	13.6	13.5	13.1	13.3	12.8	13.0	14.8	15.2	16.6	18.3	19.4	20.6	21.5	21.9	22.4	22.3	21.0	19.1	19.3	18.9	18.9	17.8	22.4	12.8	17.4
03/17/10	16.9	16.2	15.8	15.2	14.8	14.6	14.8	14.8	16.4	18.0	19.9	21.0	22.2	23.4	24.5	25.0	24.9	24.8	23.9	22.7	22.4	22.3	22.2	21.7	25.0	14.6	19.9
03/18/10	20.8	19.9	19.2	18.9	18.4	17.9	17.6	17.5	18.7	19.6	20.9	22.2	22.1	22.8	22.5	22.4	22.2	22.1	21.0	19.3	18.4	17.9	17.6	17.0	22.8	17.0	19.9
03/19/10	16.1	15.6	15.6	15.3	15.1	14.6	13.8	14.1	15.1	15.4	14.0	15.6	16.0	17.2	17.6	17.4	17.6	17.7	17.4	16.5	16.4	16.4	16.3	15.5	17.7	13.8	15.9
03/20/10	14.7	14.0	13.4	13.0	12.7	12.0	11.5	10.6	11.1	11.9	12.6	13.9	14.6	15.6	16.3	17.0	17.2	17.3	16.8	15.0	14.4	13.6	13.7	14.1	17.3	10.6	14.0
03/21/10	13.2	12.1	11.5	11.3	10.8	10.5	11.0	12.7	13.8	15.4	16.6	18.1	19.4	20.1	20.8	20.3	20.4	19.9	19.1	18.1	17.2	17.0	16.3	16.3	20.8	10.5	15.9
03/22/10	15.9	15.9	15.8	15.2	15.9	15.7	15.5	15.0	16.3	17.5	19.6	20.4	20.9	21.6	21.7	21.9	21.5	20.9	20.2	19.5	18.4	16.9	16.9	17.2	21.9	15.0	18.2
03/23/10	17.4	17.5	15.9	15.9	15.2	14.3	14.3	12.9	10.6	10.8	10.9	11.4	11.6	11.8	11.8	12.3	12.7	12.5	12.2	11.7	11.3	10.5	10.5	10.0	17.5	10.0	12.7
03/24/10	9.9	10.1	9.6	9.0	9.1	9.0	9.3	8.7	9.5	12.0	13.5	14.8	15.1	15.5	15.9	16.4	16.4	16.3	15.8	15.3	15.0	13.9	12.9	13.1	16.4	8.7	12.7
03/25/10	12.6	12.6	12.6	12.8	12.7	12.9	12.6	11.8	14.0	16.5	17.6	18.3	19.1	19.5	20.2	20.9	20.8	20.2	19.1	18.3	17.5	17.1	17.0	17.1	20.9	11.8	16.4
03/26/10	16.8	16.4	15.7	15.1	14.3	13.0	12.5	12.4	12.4	12.6	13.0	13.6	14.5	15.4	16.1	16.6	16.8	16.7	16.0	14.7	13.6	13.1	12.8	13.2	16.8	12.4	14.5
03/27/10	12.7	13.0	11.0	11.1	11.3	10.8	9.4	10.3	11.8	12.9	13.7	14.7	15.5	16.4	17.1	17.4	17.6	17.7	17.5	17.1	15.9	14.8	14.2	13.8	17.7	9.4	14.1
03/28/10	14.0	14.1	12.6	13.0	13.2	13.2	13.8	13.3	14.5	16.0	17.3	18.5	19.5	20.3	21.1	21.6	21.9	22.0	21.4	20.0	19.1	18.5	18.2	18.0	22.0	12.6	17.3
03/29/10	17.9	18.1	17.8	16.7	15.9	16.1	17.1	17.0	18.1	19.3	20.6	22.0	23.1	24.1	24.6	24.0	23.7	23.3	22.4	21.3	20.6	19.8	18.8	19.5	24.6	15.9	20.1
03/30/10	19.0	18.7	18.3	18.1	16.7	16.7	17.5	18.4	18.5	20.5	21.6	22.7	23.5	23.9	24.1	24.5	24.9	24.8	24.1	23.5	21.5	21.8	21.1	20.9	24.9	16.7	21.0
03/31/10	20.3	18.9	19.0	18.6	18.3	18.0	17.7	18.0	19.0	19.9	21.1	22.1	22.5	22.9	23.2	23.7	23.9	23.3	22.0	20.3	18.9	17.3	16.2	15.5	23.9	15.5	20.0
Hourly Averages	15.9	15.5	14.8	14.5	14.2	13.9	13.8	13.8	14.7	15.8	16.7	18.0	18.7	19.3	19.8	20.1	20.2	20.1	19.3	18.3	17.5	16.9	16.5	16.3			

Maximum Hourly Temperature: 25.0 **Minimum Hourly Temperature:** 8.7 **Average Monthly Temperature:** 16.9

Maximum 24-Hour Mean: 21.0 **Minimum 24-Hour Mean:** 12.7

Total Number of Observations: 398 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

MARCH 2010

2-METER TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
03/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/06/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/07/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/08/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	13.7	15.4	17.8	18.2	19.0	19.8	19.9	19.6	18.9	17.9	17.1	16.9	16.0	15.7	INV	INV	INV
03/16/10	15.4	14.5	13.3	13.2	12.8	13.1	12.6	12.9	15.0	15.7	17.4	19.1	20.5	21.6	22.4	22.7	22.9	22.6	21.0	18.4	18.8	18.3	18.4	17.4	22.9	12.6	17.5
03/17/10	16.6	16.0	15.4	14.9	14.6	14.3	14.6	14.7	16.6	18.4	20.6	21.9	23.2	24.3	25.5	25.7	25.5	25.1	23.9	22.5	22.2	22.1	22.0	21.5	25.7	14.3	20.1
03/18/10	20.7	19.7	19.1	18.7	18.2	17.7	17.4	17.5	18.9	20.1	21.8	23.4	23.3	24.1	23.7	23.4	23.1	22.5	21.0	19.1	17.7	16.5	16.0	15.8	24.1	15.8	20.0
03/19/10	15.3	15.1	14.8	14.5	14.3	13.8	13.2	13.7	15.7	15.8	14.3	16.7	16.9	18.2	18.7	18.4	18.5	18.3	17.6	16.4	16.1	15.0	14.8	15.1	18.7	13.2	15.9
03/20/10	14.4	13.8	13.3	12.9	12.5	11.9	11.4	10.6	11.5	12.5	13.4	14.7	15.5	16.6	17.2	17.6	17.8	17.6	16.9	14.8	13.8	12.9	13.0	13.5	17.8	10.6	14.2
03/21/10	12.3	11.6	11.0	10.1	10.1	9.5	9.6	12.3	14.2	16.2	17.3	19.1	20.4	21.4	21.9	21.3	21.0	20.3	19.3	17.9	16.6	16.5	15.7	15.0	21.9	9.5	15.8
03/22/10	14.8	15.1	14.4	14.1	15.2	15.0	15.0	14.6	16.7	18.2	20.5	21.3	21.9	22.7	22.6	22.8	22.2	21.2	20.3	18.2	17.3	16.4	16.2	16.1	22.8	14.1	18.0
03/23/10	16.2	16.3	15.6	15.5	14.9	14.1	14.3	12.9	10.7	10.9	11.0	11.7	11.9	12.0	12.1	12.5	12.9	12.7	12.3	11.5	10.8	10.0	10.2	9.7	16.3	9.7	12.6
03/24/10	9.7	9.7	9.2	8.6	8.4	8.3	8.2	8.4	9.9	12.8	14.3	15.4	16.0	16.6	17.0	17.4	17.2	16.7	15.9	15.1	14.1	13.3	12.1	11.8	17.4	8.2	12.7
03/25/10	11.6	11.7	11.5	11.0	11.9	11.9	11.6	11.4	14.2	17.1	18.5	19.5	20.3	20.7	21.2	21.9	21.7	20.7	19.3	17.3	16.5	16.1	15.7	15.6	21.9	11.0	16.2
03/26/10	15.0	15.0	14.6	13.5	13.1	12.0	11.7	12.3	12.7	13.4	13.9	14.7	15.8	16.6	17.1	17.7	17.7	17.2	16.1	14.7	13.5	12.7	12.2	11.7	17.7	11.7	14.4
03/27/10	11.5	11.4	10.2	10.0	10.3	9.7	9.0	10.0	12.3	13.6	14.4	15.6	16.5	17.3	17.9	18.2	18.2	18.1	17.7	17.0	15.5	14.4	13.4	13.3	18.2	9.0	14.0
03/28/10	13.5	13.8	12.2	12.7	12.9	13.0	13.5	13.2	14.8	16.6	18.3	19.5	20.6	21.3	22.2	22.6	22.6	22.4	21.4	19.6	18.5	18.0	17.6	17.6	22.6	12.2	17.4
03/29/10	17.3	17.7	17.5	16.0	15.5	15.5	16.7	16.9	18.3	19.8	21.6	22.8	24.2	25.2	25.8	24.7	24.3	23.6	22.5	20.6	19.9	19.0	17.9	18.7	25.8	15.5	20.1
03/30/10	17.7	17.2	16.9	16.0	15.1	15.3	16.6	18.1	19.0	21.2	22.6	23.8	24.6	25.0	25.3	25.5	25.8	25.3	24.2	22.3	20.9	19.8	19.4	18.8	25.8	15.1	20.7
03/31/10	18.1	18.1	17.8	17.6	17.1	17.4	16.7	17.7	19.5	20.5	22.3	23.4	23.9	24.0	24.3	24.9	24.7	23.7	22.1	20.4	19.0	17.4	16.2	15.5	24.9	15.5	20.1
Hourly Averages	15.0	14.8	14.2	13.7	13.6	13.3	13.3	13.6	15.0	16.4	17.4	18.7	19.6	20.3	20.8	21.0	20.9	20.4	19.4	17.9	16.9	16.2	15.7	15.5			

Maximum Hourly Temperature: 25.8 **Minimum Hourly Temperature:** 8.2 **Average Monthly Temperature:** 16.9

Maximum 24-Hour Mean: 20.7 **Minimum 24-Hour Mean:** 12.6

Total Number of Observations: 398 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

MARCH 2010

DIFFERENTIAL TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
03/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/06/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/07/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/08/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	-0.176	3.504	1.721	-0.625	-0.850	-0.733	-0.541	-0.258	-0.057	0.062	0.111	0.168	0.243	0.203	INV	INV	INV
03/16/10	0.159	0.315	0.287	0.251	0.295	0.270	0.163	0.078	-0.227	-0.511	-0.836	-0.753	-1.058	-1.089	-0.935	-0.802	-0.566	-0.307	0.049	0.708	0.496	0.571	0.465	0.458	0.708	-1.089	-0.105
03/17/10	0.376	0.273	0.426	0.313	0.258	0.216	0.221	0.121	-0.224	-0.447	-0.681	-0.905	-1.031	-0.898	-0.934	-0.691	-0.617	-0.293	0.033	0.281	0.269	0.220	0.221	0.138	0.426	-1.031	-0.140
03/18/10	0.121	0.107	0.118	0.187	0.200	0.194	0.126	0.055	-0.249	-0.494	-0.824	-1.192	-1.199	-1.372	-1.243	-1.056	-0.893	-0.491	-0.048	0.169	0.754	1.402	1.614	1.195	1.614	-1.372	-0.117
03/19/10	0.767	0.570	0.802	0.820	0.825	0.739	0.557	0.370	-0.566	-0.426	-0.300	-1.037	-0.887	-1.026	-1.124	-0.994	-0.906	-0.543	-0.174	0.167	0.243	1.353	1.565	0.359	1.565	-1.124	0.048
03/20/10	0.279	0.177	0.138	0.104	0.146	0.122	0.134	0.004	-0.357	-0.618	-0.757	-0.811	-0.834	-1.051	-0.851	-0.590	-0.599	-0.299	-0.098	0.131	0.566	0.674	0.687	0.611	0.687	-1.051	-0.129
03/21/10	0.876	0.457	0.520	1.223	0.662	1.009	1.387	0.340	-0.344	-0.769	-0.637	-1.010	-1.048	-1.295	-1.071	-0.938	-0.545	-0.419	-0.190	0.165	0.597	0.556	0.570	1.317	1.387	-1.295	0.059
03/22/10	1.110	0.813	1.432	1.074	0.656	0.632	0.549	0.411	-0.347	-0.696	-0.892	-0.924	-0.935	-1.049	-0.857	-0.919	-0.687	-0.364	-0.067	1.322	1.125	0.518	0.616	1.046	1.432	-1.049	0.149
03/23/10	1.207	1.145	0.273	0.433	0.286	0.149	0.023	-0.003	-0.064	-0.097	-0.068	-0.256	-0.235	-0.188	-0.276	-0.242	-0.239	-0.193	-0.084	0.241	0.549	0.482	0.336	0.257	1.207	-0.276	0.143
03/24/10	0.222	0.347	0.432	0.383	0.667	0.726	1.032	0.329	-0.404	-0.792	-0.816	-0.577	-0.932	-1.061	-1.066	-0.957	-0.742	-0.399	-0.038	0.229	0.857	0.637	0.715	1.249	1.249	-1.066	0.002
03/25/10	1.051	0.853	1.125	1.847	0.790	0.932	0.961	0.361	-0.194	-0.513	-0.920	-1.156	-1.258	-1.129	-0.910	-1.092	-0.929	-0.513	-0.116	1.033	0.998	1.015	1.307	1.585	1.847	-1.258	0.214
03/26/10	1.874	1.405	1.090	1.596	1.142	0.998	0.722	0.026	-0.302	-0.715	-0.885	-1.104	-1.296	-1.176	-1.069	-1.092	-0.820	-0.436	-0.110	0.026	0.133	0.349	0.632	1.477	1.874	-1.296	0.103
03/27/10	1.246	1.642	0.818	1.170	0.929	1.061	0.457	0.329	-0.447	-0.691	-0.711	-0.942	-0.936	-0.859	-0.859	-0.785	-0.575	-0.359	-0.140	0.083	0.387	0.392	0.836	0.454	1.642	-0.942	0.104
03/28/10	0.572	0.316	0.377	0.374	0.273	0.269	0.284	0.090	-0.275	-0.647	-1.013	-0.928	-1.120	-1.051	-1.065	-0.986	-0.673	-0.342	0.046	0.377	0.580	0.540	0.537	0.389	0.580	-1.120	-0.128
03/29/10	0.522	0.404	0.378	0.775	0.394	0.542	0.423	0.107	-0.294	-0.472	-0.977	-0.838	-1.122	-1.178	-1.186	-0.730	-0.529	-0.393	-0.023	0.675	0.708	0.795	0.841	0.859	0.859	-1.186	-0.013
03/30/10	1.313	1.424	1.421	2.149	1.528	1.427	0.834	0.280	-0.510	-0.760	-0.970	-1.157	-1.077	-1.125	-1.130	-0.950	-0.937	-0.564	-0.027	1.246	0.660	2.004	1.761	2.161	2.161	-1.157	0.375
03/31/10	2.255	0.763	1.190	0.990	1.176	0.607	1.025	0.390	-0.533	-0.673	-1.149	-1.307	-1.370	-1.079	-1.035	-1.124	-0.819	-0.403	-0.112	-0.059	-0.063	-0.104	-0.014	0.022	2.255	-1.370	-0.059
Hourly Averages	0.872	0.688	0.677	0.856	0.639	0.618	0.556	0.206	-0.334	-0.583	-0.742	-0.670	-0.860	-1.015	-0.968	-0.864	-0.683	-0.387	-0.068	0.403	0.528	0.681	0.761	0.811			

Maximum Hourly Differential Temperature: 3.504 **Minimum Hourly Differential Temperature:** -1.372

Total Number of Observations: 398 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

APPENDIX KC2-D

HOURLY TEMPERATURE DATA

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

JANUARY 2010

TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
01/01/10	7.8	8.2	7.7	7.2	7.3	8.3	9.7	9.6	10.8	11.6	12.4	13.8	15.4	15.7	16.5	16.9	16.8	16.1	14.0	12.7	12.3	12.3	12.0	13.0	16.9	7.2	12.0
01/02/10	11.4	12.3	12.3	12.7	12.3	10.5	10.9	11.6	11.5	13.3	15.2	15.9	17.3	18.9	19.9	18.6	17.5	15.7	13.7	12.8	11.7	11.6	12.7	12.7	19.9	10.5	13.9
01/03/10	11.7	11.5	9.9	10.1	10.1	9.2	10.1	10.3	10.7	13.6	14.9	16.0	16.5	17.7	18.5	18.5	18.1	17.0	16.2	15.9	15.4	13.4	12.5	12.4	18.5	9.2	13.7
01/04/10	11.2	11.5	12.9	13.5	13.1	13.1	13.2	13.0	13.1	13.8	14.4	15.1	16.4	17.8	18.6	18.6	18.1	16.3	15.7	16.1	15.6	15.1	15.2	15.1	18.6	11.2	14.8
01/05/10	14.6	13.6	13.1	12.6	11.2	12.4	12.2	11.9	12.5	13.9	14.7	15.8	16.8	18.3	19.2	19.7	19.4	16.8	15.4	15.0	14.3	13.8	13.2	12.2	19.7	11.2	14.7
01/06/10	11.3	11.4	11.3	11.5	11.3	11.4	10.7	10.5	11.7	14.2	16.0	17.3	18.2	18.1	17.8	17.3	15.9	14.8	13.4	12.3	11.8	11.5	11.5	10.9	18.2	10.5	13.4
01/07/10	10.8	11.5	11.3	11.2	11.5	11.4	11.2	11.8	11.1	13.1	14.3	15.9	16.7	18.2	18.1	17.7	16.8	16.1	13.8	12.8	12.6	13.1	13.0	13.8	18.2	10.8	13.7
01/08/10	13.3	13.1	12.1	12.1	10.9	10.1	9.2	8.7	9.4	9.7	11.7	12.6	13.0	14.2	15.0	14.8	14.0	12.5	12.4	12.5	12.7	10.5	9.7	9.3	15.0	8.7	11.8
01/09/10	9.1	9.6	9.3	9.5	9.5	9.3	8.8	8.0	9.1	10.0	11.2	12.4	13.7	15.1	15.9	16.2	16.1	14.7	13.5	12.5	12.6	12.5	12.5	12.6	16.2	8.0	11.8
01/10/10	12.0	12.0	11.8	11.8	11.8	11.5	11.4	11.0	11.3	12.2	13.4	13.9	14.7	15.6	15.6	15.4	14.9	14.1	13.7	13.8	13.3	13.8	13.6	13.4	15.6	11.0	13.2
01/11/10	13.3	12.6	11.9	11.0	12.1	12.1	11.8	10.4	11.2	13.1	15.3	16.1	17.2	18.3	19.3	19.2	18.9	17.3	17.1	16.9	15.4	16.5	15.5	14.1	19.3	10.4	14.9
01/12/10	14.2	14.0	14.1	14.1	13.7	13.1	12.1	12.7	13.3	14.5	15.6	16.9	18.3	18.7	19.6	20.2	19.8	18.2	17.3	17.3	16.9	16.7	16.3	16.1	20.2	12.1	16.0
01/13/10	15.6	15.5	15.5	14.7	14.3	14.3	13.8	13.9	14.3	14.7	16.4	17.3	17.7	18.2	18.4	18.7	17.8	16.4	14.6	13.4	12.4	12.3	13.2	11.3	18.7	11.3	15.2
01/14/10	7.1	8.7	8.4	8.4	7.8	8.1	7.2	7.0	7.4	9.7	11.5	12.3	12.9	13.7	14.9	15.7	15.8	14.6	13.3	12.7	12.2	11.8	11.8	11.7	15.8	7.0	11.0
01/15/10	12.9	13.1	13.8	12.2	12.0	11.5	11.4	10.8	11.2	12.7	14.1	15.0	16.6	17.8	18.9	19.0	18.8	17.1	14.8	14.0	13.8	13.5	13.1	13.0	19.0	10.8	14.2
01/16/10	12.5	12.5	12.5	12.5	12.2	12.6	12.4	12.4	13.1	13.9	15.0	16.2	17.1	17.1	17.1	17.3	18.0	16.6	14.2	13.7	13.5	13.0	13.0	12.5	18.0	12.2	14.2
01/17/10	12.9	12.3	11.6	11.1	10.1	9.8	10.6	11.0	11.2	11.7	12.5	13.9	15.2	15.6	16.2	16.0	15.9	15.1	12.6	11.8	12.0	11.7	11.2	11.7	16.2	9.8	12.7
01/18/10	11.9	11.0	11.0	10.6	11.1	11.3	11.2	10.9	10.3	9.8	10.4	11.7	12.2	12.4	13.2	12.9	12.3	12.1	12.9	12.5	11.8	12.3	12.3	11.0	13.2	9.8	11.6
01/19/10	11.0	12.1	11.2	11.5	9.6	7.9	8.3	8.9	9.3	10.7	11.7	12.3	13.2	13.8	14.2	13.9	13.7	13.3	13.4	12.0	9.7	9.7	9.2	8.6	14.2	7.9	11.2
01/20/10	6.9	7.5	7.5	7.2	6.1	6.2	6.2	6.2	INV	7.7	8.3	9.5	10.7	11.3	11.9	12.1	12.6	12.1	11.1	10.8	10.9	10.2	10.8	11.1	12.6	6.1	9.3
01/21/10	10.8	10.7	9.1	9.7	9.2	9.3	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	11.5	11.7	11.4	11.2	10.8	10.6	10.6	10.5	11.2	12.2	13.4	14.5	15.5	16.3	16.9	16.9	16.5	15.3	14.2	13.6	13.0	12.7	12.6	12.3			

Maximum Hourly Temperature: 20.2 **Minimum Hourly Temperature:** 6.1 **Average Monthly Temperature:** 13.2

Maximum 24-Hour Mean: 16.0 **Minimum 24-Hour Mean:** 9.3

Total Number of Observations: 485 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

FEBRUARY 2010

TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	15.7	15.9	15.7	14.8	14.3	13.4	12.2	12.1	11.0	10.4	11.2	INV	INV	INV
02/06/10	11.4	11.2	11.2	11.2	10.7	10.7	10.4	11.1	11.5	12.8	14.5	15.6	16.3	16.4	17.2	16.5	15.9	14.7	13.4	13.1	12.7	12.9	12.5	11.6	17.2	10.4	13.1
02/07/10	10.9	9.9	9.9	10.0	8.9	8.1	7.0	6.3	6.2	7.6	8.7	9.1	9.6	10.0	10.6	10.5	10.0	9.6	8.6	7.9	7.4	6.9	7.1	7.3	10.9	6.2	8.7
02/08/10	6.9	7.1	7.0	6.6	6.4	6.0	6.4	6.2	6.6	8.8	8.9	9.2	9.7	10.3	10.9	10.6	10.5	10.2	9.3	8.2	7.6	7.1	7.4	7.1	10.9	6.0	8.1
02/09/10	7.0	6.8	6.6	6.6	6.9	6.6	6.4	6.4	7.8	9.5	11.2	12.1	12.8	13.0	13.6	14.0	13.8	13.2	11.7	10.4	10.2	9.2	9.1	9.5	14.0	6.4	9.8
02/10/10	9.6	9.4	9.8	8.9	8.6	8.6	7.9	7.7	9.0	9.8	10.9	11.2	11.5	8.8	7.4	7.7	7.7	7.3	7.1	6.4	6.3	5.8	5.5	6.0	11.5	5.5	8.3
02/11/10	5.8	5.6	5.7	5.4	4.8	4.8	5.0	4.9	5.7	6.9	7.9	8.7	10.0	11.0	11.5	11.5	11.4	10.9	9.9	9.4	8.7	7.7	7.4	7.5	11.5	4.8	7.8
02/12/10	7.7	7.7	7.5	6.7	6.4	6.0	5.7	6.0	7.9	10.3	11.3	12.7	13.6	14.0	14.3	14.8	14.6	13.8	12.4	11.5	10.3	9.9	9.6	9.2	14.8	5.7	10.2
02/13/10	9.5	9.0	9.2	8.3	8.0	8.0	8.2	9.7	10.8	13.6	15.5	16.8	18.3	19.0	17.9	18.0	17.8	17.0	15.6	14.0	12.8	12.0	11.8	11.2	19.0	8.0	13.0
02/14/10	11.2	12.4	13.2	12.3	12.3	13.4	14.1	12.1	13.3	15.8	15.9	16.8	18.4	19.2	20.0	20.5	20.0	19.4	18.1	16.5	15.7	15.9	15.5	13.8	20.5	11.2	15.7
02/15/10	14.8	14.7	13.9	12.8	13.8	13.8	13.7	13.3	13.5	14.8	14.8	16.0	17.0	17.7	18.1	18.7	18.5	17.4	15.7	15.1	14.2	12.9	13.0	12.7	18.7	12.7	15.0
02/16/10	13.4	12.7	12.8	13.2	13.3	12.5	12.3	12.4	12.7	13.7	14.7	15.7	17.2	18.6	19.4	19.6	19.6	18.9	17.2	16.1	16.0	16.3	15.9	14.8	19.6	12.3	15.4
02/17/10	14.1	14.0	13.5	14.0	13.7	13.6	13.4	13.3	13.8	15.0	16.3	17.6	19.1	20.6	20.5	20.9	21.1	19.5	17.9	15.8	15.7	15.5	14.2	14.1	21.1	13.3	16.1
02/18/10	12.9	12.7	12.2	11.9	11.5	10.7	11.0	11.1	12.5	15.0	17.2	17.8	17.9	18.1	18.2	18.1	17.8	17.2	15.6	14.4	13.2	12.7	12.3	11.6	18.2	10.7	14.3
02/19/10	12.1	12.5	11.9	10.8	11.0	11.0	10.2	11.1	12.3	14.4	15.5	17.1	18.1	18.8	19.1	19.5	19.2	18.8	17.4	16.0	14.8	14.5	13.9	12.7	19.5	10.2	14.7
02/20/10	12.2	11.0	10.3	10.1	9.1	9.6	9.2	9.2	9.8	9.8	8.2	6.8	6.0	6.8	7.1	7.6	8.2	8.5	8.0	7.9	7.7	7.3	7.3	7.2	12.2	6.0	8.5
02/21/10	7.6	7.8	8.0	8.0	7.9	7.7	7.3	7.5	7.8	8.3	8.8	9.4	9.5	9.0	9.4	9.5	8.9	9.2	8.4	8.7	8.8	8.9	8.6	8.4	9.5	7.3	8.5
02/22/10	8.4	8.2	8.2	7.7	7.7	7.3	6.8	7.0	7.0	7.0	6.9	6.8	7.7	5.5	6.1	6.7	7.5	6.7	4.6	3.8	3.8	4.1	4.1	4.1	8.4	3.8	6.4
02/23/10	3.0	3.3	2.7	2.1	1.8	2.4	2.3	2.6	3.8	4.5	6.0	7.3	8.8	9.7	10.7	11.6	11.8	11.6	10.0	8.3	7.2	6.9	8.2	7.9	11.8	1.8	6.4
02/24/10	7.3	7.1	7.7	8.3	8.2	8.3	8.2	8.3	8.6	9.2	10.7	12.4	14.1	14.9	15.7	15.8	15.4	14.5	12.9	12.0	10.9	11.4	10.6	10.1	15.8	7.1	10.9
02/25/10	10.1	9.9	10.3	9.6	10.0	10.0	9.3	8.7	11.3	12.7	12.8	13.4	14.2	14.5	14.7	14.9	14.9	14.5	13.2	12.2	11.1	11.5	11.2	10.9	14.9	8.7	11.9
02/26/10	11.7	11.7	12.0	11.6	11.1	10.7	10.7	10.3	10.6	11.6	12.4	14.0	15.6	16.8	17.1	16.7	15.7	15.2	13.8	14.0	14.0	14.6	14.8	14.5	17.1	10.3	13.4
02/27/10	14.6	14.6	14.2	13.8	13.7	13.5	13.2	12.6	12.9	13.4	13.9	14.5	15.7	16.7	17.1	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	10.1	10.0	9.9	9.5	9.4	9.2	9.0	9.0	9.8	11.1	11.9	12.8	13.7	14.1	14.5	14.5	14.3	13.7	12.5	11.5	11.0	10.7	10.5	10.2			

Maximum Hourly Temperature: 21.1 **Minimum Hourly Temperature:** 1.8 **Average Monthly Temperature:** 11.3

Maximum 24-Hour Mean: 16.1 **Minimum 24-Hour Mean:** 6.4

Total Number of Observations: 530 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

MARCH 2010

TEMPERATURE (°C)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
03/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/06/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/07/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/08/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	13.9	15.1	18.2	18.1	18.9	19.7	19.9	19.5	18.5	17.5	16.7	16.6	15.7	15.3	INV	INV	INV
03/16/10	15.0	14.2	12.9	12.7	12.1	12.5	11.9	12.3	14.7	15.5	17.1	19.0	20.3	21.4	22.1	22.7	23.1	22.8	20.8	18.0	18.4	18.0	18.0	17.1	23.1	11.9	17.2
03/17/10	16.2	15.6	15.1	14.5	14.2	14.0	14.2	14.4	16.5	18.4	20.6	21.6	23.0	24.2	25.2	25.7	25.6	25.3	23.7	22.1	21.8	21.8	21.7	21.1	25.7	14.0	19.8
03/18/10	20.3	19.3	18.7	18.3	17.8	17.3	17.0	17.1	18.7	19.8	21.5	23.2	23.1	23.8	23.3	23.0	22.8	22.3	20.7	18.8	17.3	16.1	15.7	15.4	23.8	15.4	19.6
03/19/10	14.9	14.7	14.4	14.1	13.9	13.4	12.9	13.3	15.9	15.7	13.9	16.7	17.0	18.2	18.3	18.0	18.1	18.1	17.3	15.9	15.6	14.7	14.4	14.7	18.3	12.9	15.6
03/20/10	14.1	13.4	12.9	12.5	12.1	11.5	11.0	10.2	11.1	12.4	13.2	14.4	15.2	16.3	17.1	17.4	17.7	17.5	16.6	14.4	13.4	12.5	12.5	13.1	17.7	10.2	13.9
03/21/10	12.0	11.3	10.6	9.7	9.8	9.2	9.2	12.1	14.1	16.1	16.9	18.9	20.7	21.3	21.8	21.1	20.9	20.1	18.9	17.5	16.2	16.0	15.3	14.7	21.8	9.2	15.6
03/22/10	14.4	14.8	14.0	13.8	14.8	14.6	14.6	14.4	17.0	18.5	20.7	21.2	22.0	22.7	22.4	22.6	21.9	20.9	20.0	17.9	17.0	16.0	15.7	15.7	22.7	13.8	17.8
03/23/10	15.9	15.9	15.2	15.1	14.6	13.7	13.9	12.5	10.4	10.5	10.8	11.4	11.7	11.9	11.9	12.4	12.6	12.3	12.0	11.1	10.5	9.7	9.9	9.4	15.9	9.4	12.3
03/24/10	9.4	9.4	8.9	8.4	8.1	8.0	7.9	8.3	10.7	12.6	14.5	15.3	15.8	16.3	16.7	17.1	17.0	16.5	15.5	14.7	13.8	12.9	11.8	11.5	17.1	7.9	12.6
03/25/10	11.3	11.3	11.2	10.7	11.5	11.6	11.3	11.2	14.3	17.1	18.5	19.4	19.9	20.5	21.3	21.8	21.6	20.5	18.9	16.9	16.1	15.7	15.4	15.2	21.8	10.7	16.0
03/26/10	14.7	14.6	14.2	13.2	12.8	11.7	11.4	12.1	12.5	12.9	13.4	14.2	15.2	16.1	16.6	17.1	17.2	16.9	15.7	14.3	13.1	12.3	11.8	11.4	17.2	11.4	14.0
03/27/10	11.1	11.1	9.9	9.6	9.9	9.4	8.6	10.0	12.9	13.5	14.0	15.3	16.1	17.0	17.7	17.9	18.0	18.0	17.5	16.6	15.1	14.0	12.9	12.9	18.0	8.6	13.7
03/28/10	13.1	13.4	11.8	12.2	12.6	12.6	13.2	12.9	14.7	16.6	18.1	19.4	20.2	21.0	22.0	22.4	22.4	22.5	21.3	19.2	18.2	17.6	17.2	17.2	22.5	11.8	17.2
03/29/10	17.0	17.3	17.1	15.6	15.1	15.2	16.3	16.5	18.2	19.9	21.3	22.8	24.2	25.4	25.7	24.4	24.1	23.4	22.2	20.2	19.4	18.6	17.6	18.3	25.7	15.1	19.8
03/30/10	17.3	16.9	16.6	15.7	14.9	14.9	16.3	17.8	19.1	21.3	22.5	23.7	24.3	24.5	25.0	25.4	25.8	25.3	24.1	21.9	20.6	19.4	19.1	18.5	25.8	14.9	20.4
03/31/10	17.8	17.7	17.4	17.3	16.8	17.1	16.4	17.6	19.3	20.1	21.8	22.9	23.4	23.6	23.7	24.3	24.3	23.4	21.7	19.9	18.6	17.0	15.9	15.1	24.3	15.1	19.7
Hourly Averages	14.6	14.4	13.8	13.3	13.2	12.9	12.9	13.3	15.0	16.3	17.2	18.5	19.4	20.1	20.6	20.8	20.8	20.3	19.1	17.5	16.6	15.8	15.3	15.1			

Maximum Hourly Temperature: 25.8 **Minimum Hourly Temperature:** 7.9 **Average Monthly Temperature:** 16.6

Maximum 24-Hour Mean: 20.4 **Minimum 24-Hour Mean:** 12.3

Total Number of Observations: 398 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

APPENDIX KC2-E

HOURLY RELATIVE HUMIDITY DATA

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

JANUARY 2010

RELATIVE HUMIDITY (%)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
01/01/10	27.1	26.2	28.4	29.3	26.7	20.6	19.0	18.6	17.3	16.4	16.1	13.8	12.5	11.4	11.8	12.6	13.4	16.4	19.2	21.9	20.2	22.7	19.2	21.6	29.3	11.4	19.3
01/02/10	19.9	18.1	20.3	16.9	24.0	20.4	21.8	19.6	22.4	17.5	18.4	15.7	14.5	13.6	15.6	16.7	18.2	20.8	24.6	27.0	28.8	26.1	22.9	26.3	28.8	13.6	20.4
01/03/10	25.4	28.6	28.9	26.1	25.5	30.5	24.8	23.4	23.8	18.0	17.7	14.9	15.7	13.4	12.6	10.8	11.7	13.6	16.3	16.6	13.5	16.5	18.5	17.6	30.5	10.8	19.3
01/04/10	18.7	14.7	17.5	18.8	21.2	21.0	20.1	19.6	18.6	18.8	18.2	17.3	16.3	15.3	14.2	14.1	16.3	17.7	16.3	16.6	18.4	18.2	19.6	22.6	22.6	14.1	17.9
01/05/10	22.9	25.4	25.3	29.1	27.7	26.8	27.2	28.3	23.1	22.4	22.2	21.2	20.5	19.9	19.0	18.0	20.6	24.2	24.4	24.2	25.5	25.6	29.2	32.9	32.9	18.0	24.4
01/06/10	29.2	32.1	29.3	30.0	30.8	32.0	33.3	34.4	27.2	26.3	24.0	22.1	21.3	24.0	24.1	26.3	26.8	28.5	34.0	35.5	39.4	37.8	32.3	37.5	39.4	21.3	29.9
01/07/10	31.2	33.0	33.3	32.2	31.5	32.1	28.2	29.1	27.7	26.7	21.3	20.1	17.2	15.4	19.1	17.5	24.4	29.0	27.7	27.3	24.1	25.1	23.8	26.9	33.3	15.4	26.0
01/08/10	28.0	29.2	31.2	31.1	32.3	33.9	32.9	31.9	29.5	29.0	26.9	25.7	24.3	23.9	23.4	23.5	24.6	26.3	25.4	22.0	24.6	28.3	28.7	28.0	33.9	22.0	27.7
01/09/10	30.0	28.8	29.1	25.9	25.7	27.1	28.1	27.1	25.3	23.6	21.4	20.8	17.1	16.5	14.1	13.5	14.7	16.8	18.0	18.4	16.7	18.8	16.3	18.8	30.0	13.5	21.3
01/10/10	19.6	21.5	19.7	18.7	17.6	19.2	18.3	19.9	17.8	18.0	16.9	16.9	15.4	15.6	15.6	16.3	18.0	17.9	16.8	17.7	18.2	17.0	18.3	18.6	21.5	15.4	17.9
01/11/10	19.2	22.1	22.5	22.4	23.7	18.5	21.6	24.0	18.7	15.7	13.3	13.7	14.0	12.6	12.2	12.5	12.7	12.2	10.3	11.8	13.1	12.8	13.5	13.9	24.0	10.3	16.1
01/12/10	12.4	13.3	13.0	12.9	11.6	14.8	14.6	15.2	14.4	13.7	13.8	14.4	12.9	13.0	12.8	12.5	13.1	13.7	13.9	14.3	14.8	16.0	15.6	16.5	16.5	11.6	13.9
01/13/10	16.9	16.2	17.0	17.8	20.0	18.7	18.9	18.8	18.6	17.0	16.7	16.5	16.3	15.8	14.3	16.2	15.4	20.1	21.4	23.2	23.3	23.1	32.8	80.4	80.4	14.3	21.5
01/14/10	66.0	65.4	65.0	64.3	59.5	65.2	62.9	71.8	64.0	57.2	51.2	53.7	44.7	41.2	39.5	35.0	35.5	32.8	39.7	37.0	37.8	41.2	40.9	36.5	71.8	32.8	50.3
01/15/10	32.8	30.8	28.8	35.3	48.3	36.1	39.7	42.0	39.0	33.9	31.5	28.0	25.2	24.5	21.7	21.1	23.5	30.0	33.6	37.4	29.7	34.5	29.2	31.0	48.3	21.1	32.0
01/16/10	30.8	31.0	29.1	30.8	29.7	30.9	29.0	29.3	29.4	25.3	24.4	24.0	24.1	24.6	20.7	20.2	20.9	25.9	31.4	29.9	27.0	28.3	33.4	28.9	33.4	20.2	27.4
01/17/10	28.2	31.6	31.3	31.4	36.2	33.7	29.9	30.9	29.6	28.3	25.9	23.9	21.7	20.6	19.5	19.0	21.2	24.8	30.5	34.2	27.7	31.9	30.7	29.3	36.2	19.0	28.0
01/18/10	26.6	31.6	32.8	32.7	29.0	31.0	30.6	33.8	44.1	52.1	48.8	49.9	49.2	39.9	41.1	41.8	49.9	40.0	39.0	44.2	48.5	36.7	57.7	66.5	66.5	26.6	41.6
01/19/10	50.8	60.6	55.8	59.1	66.5	79.0	74.2	70.5	67.4	64.8	58.3	55.9	47.8	47.1	45.6	44.6	44.3	44.4	51.9	81.5	91.5	90.9	94.0	93.1	94.0	44.3	64.1
01/20/10	78.9	82.4	78.0	87.0	93.8	91.7	95.6	89.1	INV	76.8	74.2	67.5	52.5	50.8	54.7	39.6	42.9	50.6	47.0	49.7	46.2	53.2	53.9	59.1	95.6	39.6	65.9
01/21/10	61.3	73.3	83.6	90.5	86.6	92.0	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	32.2	34.1	34.3	35.3	36.6	36.9	33.5	33.8	29.4	30.1	28.0	26.8	24.2	22.9	22.6	21.6	23.4	25.3	27.1	29.5	29.4	30.2	31.5	35.3			

Maximum Hourly Humidity: 95.6 **Minimum Hourly Humidity:** 10.3

Total Number of Observations: 485 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

FEBRUARY 2010

RELATIVE HUMIDITY (%)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	45.0	39.3	45.8	45.5	48.2	57.9	56.9	59.5	51.9	60.3	56.7	INV	INV	INV
02/06/10	54.2	55.7	54.8	56.8	61.8	61.1	56.5	56.7	53.4	47.6	47.3	41.6	37.4	32.1	34.4	37.0	39.7	38.9	46.4	44.5	45.5	49.6	53.3	56.6	61.8	32.1	48.4
02/07/10	61.9	64.5	61.3	67.3	91.8	95.6	96.3	84.6	89.4	62.6	72.4	65.1	60.2	57.0	53.1	54.2	52.7	54.7	57.0	60.7	62.1	69.3	66.5	62.4	96.3	52.7	67.6
02/08/10	71.1	65.7	65.2	72.0	69.8	70.3	69.0	73.6	68.4	58.3	58.6	53.1	49.3	48.2	50.7	49.6	49.2	49.4	61.9	60.1	71.9	62.3	63.4	62.2	73.6	48.2	61.4
02/09/10	62.4	66.5	66.7	59.9	60.9	63.9	63.6	63.1	54.7	49.6	45.8	36.9	32.8	35.2	39.1	36.3	36.0	42.6	49.8	52.0	50.3	54.9	50.1	52.0	66.7	32.8	51.0
02/10/10	48.4	48.7	49.6	52.5	51.9	54.2	62.7	56.1	57.8	53.1	47.8	47.8	48.4	69.7	73.9	73.7	83.1	81.4	85.8	87.7	87.6	90.2	88.9	84.8	90.2	47.8	66.1
02/11/10	92.3	89.4	92.5	93.1	92.0	91.8	95.7	92.6	89.9	79.5	68.1	65.0	67.1	62.0	58.3	58.1	55.1	60.2	63.4	70.1	73.5	72.9	80.0	76.7	95.7	55.1	76.6
02/12/10	75.1	68.2	76.8	80.8	79.6	79.8	84.8	81.7	60.6	62.7	60.2	54.0	52.2	52.1	49.4	51.5	54.1	56.6	57.9	65.5	70.5	71.8	72.1	74.5	84.8	49.4	66.3
02/13/10	66.0	67.1	69.8	72.8	73.0	74.0	53.7	42.8	40.0	32.2	27.7	23.1	19.9	33.8	33.6	35.3	32.7	33.9	32.1	45.3	48.9	48.3	48.4	48.0	74.0	19.9	45.9
02/14/10	49.2	29.6	30.5	28.7	29.8	25.1	26.4	31.6	26.2	23.5	24.3	22.1	21.8	19.2	19.3	18.7	20.0	21.2	23.3	27.7	26.6	23.9	30.2	27.1	49.2	18.7	26.1
02/15/10	23.1	23.3	29.7	21.1	24.0	22.0	23.1	27.2	26.0	26.9	27.8	25.0	25.5	24.3	23.8	23.2	24.4	26.8	28.3	26.2	32.5	32.2	31.6	36.2	36.2	21.1	26.4
02/16/10	35.4	30.4	32.6	29.1	33.7	31.4	30.3	33.5	31.3	29.8	27.0	23.5	19.5	18.4	17.3	18.7	19.4	21.7	27.5	26.3	21.3	24.6	22.8	26.3	35.4	17.3	26.3
02/17/10	25.5	25.5	26.8	24.1	24.7	25.9	27.0	28.4	26.8	25.7	25.6	23.5	22.6	20.5	21.7	19.5	18.3	25.4	32.2	34.4	28.8	29.7	38.0	36.3	38.0	18.3	26.5
02/18/10	36.7	38.0	41.7	42.7	45.2	46.1	40.3	49.1	34.3	32.6	26.0	25.1	24.8	25.7	26.0	25.6	25.2	29.6	31.5	37.0	38.8	42.6	43.9	46.4	49.1	24.8	35.6
02/19/10	37.5	39.5	46.2	43.0	41.5	43.7	48.2	42.9	38.1	34.9	31.2	26.8	25.0	27.1	23.4	23.2	21.5	22.2	22.7	23.9	24.6	25.4	27.5	30.9	48.2	21.5	32.1
02/20/10	33.4	37.8	38.7	43.1	47.2	51.7	47.5	53.5	63.2	76.9	93.0	89.9	87.5	87.4	88.4	85.5	81.1	83.0	84.6	79.6	91.0	92.3	86.7	92.9	93.0	33.4	71.5
02/21/10	87.2	87.1	85.8	84.3	86.6	94.0	90.5	92.2	90.1	88.0	81.8	79.2	75.8	93.5	76.3	91.2	82.8	80.6	84.3	87.2	84.4	83.3	88.8	90.9	94.0	75.8	86.1
02/22/10	93.1	91.2	92.6	88.7	89.4	92.2	90.5	93.9	90.2	93.7	88.4	90.6	95.1	92.1	91.1	92.2	82.6	85.6	87.4	86.9	91.5	83.2	61.0	54.4	95.1	54.4	87.4
02/23/10	60.8	42.9	47.7	62.9	48.1	42.7	45.6	39.3	36.7	38.0	35.4	34.9	37.5	30.3	30.1	32.6	28.0	32.1	43.6	55.9	62.9	57.8	35.6	43.5	62.9	28.0	42.7
02/24/10	47.1	38.1	38.5	41.2	36.7	38.6	36.2	39.3	38.1	36.6	37.1	29.4	26.0	21.6	28.0	20.5	24.8	32.2	43.5	43.2	40.2	35.0	46.2	51.8	51.8	20.5	36.2
02/25/10	42.6	48.6	54.6	39.9	48.5	48.2	50.4	51.9	37.7	35.9	31.6	38.2	37.9	33.9	42.5	34.1	36.6	40.4	42.4	58.0	56.4	47.5	48.3	38.2	58.0	31.6	43.5
02/26/10	37.9	32.8	25.0	31.9	33.4	33.5	32.1	36.6	33.4	30.7	27.2	23.9	20.0	18.0	20.4	19.6	31.5	29.9	41.0	22.1	23.3	21.7	20.8	19.4	41.0	18.0	27.7
02/27/10	19.0	18.7	20.3	20.9	21.4	22.8	24.6	24.2	22.6	23.9	22.7	22.5	20.5	23.5	22.2	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	52.7	50.4	52.2	52.6	54.1	54.9	54.3	54.3	50.4	47.4	45.8	42.8	41.2	42.2	41.8	43.0	42.9	45.3	50.2	52.3	54.2	53.2	52.9	53.1			

Maximum Hourly Humidity: 96.3 **Minimum Hourly Humidity:** 17.3

Total Number of Observations: 530 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

MARCH 2010

RELATIVE HUMIDITY (%)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
03/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/06/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/07/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/08/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	24.7	22.1	20.8	20.0	20.3	21.3	19.8	20.0	22.0	24.3	24.7	24.6	26.2	29.6	INV	INV	INV
03/16/10	31.0	34.5	39.0	34.7	36.6	35.1	37.7	31.2	27.0	25.2	23.8	17.1	20.3	14.9	16.5	17.4	15.2	18.0	30.1	32.6	24.8	24.2	23.1	24.1	39.0	14.9	26.4
03/17/10	25.6	26.3	29.9	29.3	29.4	29.4	27.4	26.9	23.3	21.3	19.7	15.1	13.7	13.1	11.1	11.1	11.8	13.1	16.0	14.6	14.9	12.1	12.3	13.1	29.9	11.1	19.2
03/18/10	13.9	14.8	15.8	15.9	19.4	15.9	17.2	17.0	15.7	15.5	13.6	14.3	14.6	15.8	24.9	17.4	21.5	19.9	30.2	31.7	37.5	40.5	36.8	32.5	40.5	13.6	21.3
03/19/10	33.3	30.8	31.1	30.8	29.1	29.5	34.4	30.0	25.0	47.5	40.0	31.8	31.6	31.8	32.3	35.9	39.5	37.0	44.5	47.6	45.4	50.2	46.9	23.1	50.2	23.1	35.8
03/20/10	15.0	16.3	15.4	15.2	17.3	17.9	19.0	17.7	18.7	16.4	13.4	11.9	12.7	10.8	10.7	10.3	11.3	12.0	14.2	21.2	22.7	24.0	17.3	13.9	24.0	10.3	15.6
03/21/10	15.3	17.4	19.9	17.2	18.3	19.5	15.8	12.1	12.4	11.1	11.5	10.4	12.5	13.1	17.3	16.1	17.0	21.9	23.4	28.4	29.0	26.4	27.8	30.7	30.7	10.4	18.5
03/22/10	25.6	28.1	27.5	27.2	20.5	20.5	19.9	19.4	21.8	18.4	15.8	20.4	13.1	19.1	19.0	14.9	19.5	19.8	17.6	22.2	24.7	28.1	22.1	24.8	28.1	13.1	21.2
03/23/10	26.7	24.9	44.8	42.4	51.8	45.3	52.9	76.7	85.0	77.0	74.9	72.2	70.7	70.4	66.0	62.1	65.8	69.2	75.0	79.5	83.5	83.9	86.4	84.9	86.4	24.9	65.5
03/24/10	84.4	85.2	85.7	91.9	89.3	85.5	73.3	71.2	52.9	38.3	32.0	27.1	32.5	31.9	32.6	30.4	29.1	29.4	29.0	30.1	43.1	45.6	45.6	37.0	91.9	27.1	51.4
03/25/10	48.4	37.6	40.1	39.3	39.1	39.9	39.3	40.7	31.2	22.3	20.0	18.5	15.3	14.9	18.5	18.5	17.2	22.6	27.7	29.9	39.1	30.9	30.0	31.1	48.4	14.9	29.7
03/26/10	33.3	29.2	27.0	28.3	29.5	35.0	36.9	30.4	34.6	32.1	32.7	27.3	25.8	28.7	25.9	23.6	23.5	23.1	26.3	28.9	34.9	35.1	36.0	37.9	37.9	23.1	30.2
03/27/10	36.6	35.4	37.2	38.5	36.9	42.1	37.6	32.1	27.5	24.2	21.2	19.8	17.1	13.5	12.6	12.8	12.0	11.9	11.4	13.8	15.6	18.6	17.4	17.3	42.1	11.4	23.5
03/28/10	17.0	20.6	24.2	19.0	20.1	19.4	18.8	18.6	13.1	13.6	11.9	12.5	11.2	10.9	10.7	11.3	10.7	11.1	12.9	15.0	16.3	15.2	18.4	15.3	24.2	10.7	15.3
03/29/10	14.3	13.9	17.5	21.6	19.2	16.3	16.4	15.6	14.9	15.0	15.7	12.3	12.0	10.6	14.7	13.6	15.9	20.1	22.7	28.0	24.4	24.5	28.2	24.6	28.2	10.6	18.0
03/30/10	25.1	21.3	26.5	32.2	31.2	32.2	29.3	20.3	26.2	15.5	15.7	11.0	12.9	10.8	13.1	12.1	11.8	12.7	19.3	16.7	21.6	26.8	25.5	23.8	32.2	10.8	20.6
03/31/10	24.0	18.8	15.2	17.0	17.0	17.5	19.3	15.9	15.0	16.5	16.6	15.0	15.2	14.1	16.5	12.3	14.7	17.4	24.1	27.2	31.2	30.8	30.9	31.2	31.2	12.3	19.7
Hourly Averages	29.3	28.4	31.1	31.3	31.5	31.3	30.9	29.7	27.8	25.6	23.7	21.1	20.7	20.2	21.3	20.1	21.0	22.3	26.3	28.9	31.4	31.9	31.2	29.1			

Maximum Hourly Humidity: 91.9 **Minimum Hourly Humidity:** 10.3

Total Number of Observations: 398 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

APPENDIX KC2-F

HOURLY BAROMETRIC PRESSURE DATA

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

JANUARY 2010

BAROMETRIC PRESSURE (in Hg)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
01/01/10	27.23	27.21	27.20	27.21	27.20	27.19	27.17	27.16	27.17	27.17	27.18	27.17	27.13	27.10	27.09	27.08	27.06	27.05	27.05	27.06	27.06	27.08	27.07	27.08	27.23	27.05	27.13
01/02/10	27.06	27.04	27.03	27.02	27.00	27.01	27.02	27.04	27.03	27.06	27.08	27.08	27.05	27.01	26.99	26.97	26.98	26.99	27.00	27.01	27.02	27.02	27.03	27.03	27.08	26.97	27.02
01/03/10	27.04	27.03	27.03	27.02	27.03	27.03	27.05	27.06	27.06	27.08	27.08	27.09	27.07	27.05	27.03	27.03	27.03	27.03	27.04	27.05	27.06	27.07	27.07	27.07	27.09	27.02	27.05
01/04/10	27.07	27.08	27.08	27.08	27.07	27.07	27.08	27.07	27.08	27.09	27.10	27.10	27.07	27.05	27.03	27.03	27.03	27.04	27.04	27.03	27.03	27.04	27.04	27.04	27.10	27.03	27.06
01/05/10	27.04	27.03	27.03	27.03	27.04	27.04	27.04	27.04	27.03	27.05	27.07	27.06	27.04	27.02	27.01	27.00	27.00	26.99	26.99	27.00	27.01	27.01	27.01	27.02	27.07	26.99	27.03
01/06/10	27.02	27.01	27.01	27.01	27.00	27.00	27.01	27.02	27.03	27.04	27.04	27.04	27.01	26.97	26.96	26.96	26.96	26.97	26.96	26.97	26.97	26.97	26.98	26.97	27.04	26.96	26.99
01/07/10	26.97	26.95	26.95	26.95	26.95	26.95	26.95	26.96	26.98	27.00	27.01	26.99	26.97	26.94	26.92	26.92	26.92	26.94	26.94	26.95	26.96	26.98	26.98	26.99	27.01	26.92	26.96
01/08/10	27.00	27.00	27.01	27.01	27.02	27.01	27.02	27.05	27.07	27.09	27.10	27.14	27.13	27.10	27.09	27.08	27.09	27.10	27.10	27.11	27.11	27.13	27.15	27.16	27.16	27.00	27.08
01/09/10	27.16	27.14	27.16	27.16	27.14	27.13	27.13	27.16	27.16	27.16	27.18	27.16	27.15	27.11	27.10	27.09	27.08	27.08	27.08	27.09	27.10	27.10	27.10	27.10	27.18	27.08	27.13
01/10/10	27.10	27.08	27.08	27.08	27.08	27.07	27.07	27.09	27.11	27.11	27.12	27.12	27.10	27.07	27.05	27.05	27.05	27.06	27.06	27.07	27.07	27.08	27.09	27.11	27.12	27.05	27.08
01/11/10	27.11	27.10	27.10	27.10	27.10	27.10	27.10	27.11	27.12	27.12	27.13	27.14	27.13	27.10	27.08	27.08	27.08	27.08	27.09	27.10	27.12	27.14	27.14	27.16	27.16	27.08	27.11
01/12/10	27.16	27.16	27.16	27.15	27.15	27.13	27.15	27.14	27.16	27.17	27.19	27.17	27.16	27.13	27.11	27.10	27.10	27.09	27.09	27.09	27.09	27.10	27.10	27.09	27.19	27.09	27.13
01/13/10	27.08	27.08	27.06	27.06	27.03	27.03	27.03	27.02	27.03	27.04	27.05	27.05	27.01	26.97	26.95	26.93	26.92	26.90	26.89	26.90	26.89	26.89	26.88	26.88	27.08	26.88	26.98
01/14/10	26.92	26.88	26.86	26.85	26.86	26.85	26.88	26.89	26.90	26.93	26.95	26.96	26.96	26.94	26.92	26.91	26.93	26.94	26.97	26.99	27.02	27.04	27.06	27.06	27.06	26.85	26.94
01/15/10	27.04	27.05	27.05	27.06	27.06	27.06	27.07	27.09	27.10	27.13	27.16	27.16	27.13	27.10	27.07	27.06	27.05	27.05	27.07	27.07	27.07	27.06	27.05	27.07	27.16	27.04	27.08
01/16/10	27.05	27.04	27.04	27.03	27.01	27.00	27.01	27.01	27.01	27.02	27.03	27.02	27.00	26.97	26.95	26.93	26.93	26.93	26.93	26.93	26.93	26.92	26.93	26.94	27.05	26.92	26.98
01/17/10	26.92	26.92	26.91	26.90	26.90	26.90	26.91	26.91	26.92	26.93	26.94	26.94	26.93	26.90	26.89	26.88	26.89	26.89	26.90	26.91	26.93	26.92	26.93	26.94	26.94	26.88	26.91
01/18/10	26.94	26.92	26.92	26.92	26.93	26.93	26.94	26.94	26.96	26.96	26.99	26.98	26.95	26.93	26.91	26.89	26.90	26.88	26.86	26.83	26.85	26.84	26.85	26.88	26.99	26.83	26.91
01/19/10	26.86	26.83	26.84	26.82	26.84	26.85	26.86	26.86	26.89	26.90	26.91	26.89	26.85	26.81	26.78	26.76	26.73	26.68	26.64	26.61	26.63	26.64	26.64	26.64	26.91	26.61	26.78
01/20/10	26.68	26.65	26.65	26.66	26.67	26.69	26.71	26.74	INV	26.76	26.79	26.79	26.78	26.75	26.73	26.72	26.71	26.70	26.68	26.67	26.67	26.67	26.68	26.67	26.79	26.65	26.71
01/21/10	26.67	26.64	26.62	26.57	26.54	26.52	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	27.01	26.99	26.99	26.99	26.98	26.98	27.01	27.02	27.04	27.04	27.06	27.05	27.03	27.00	26.98	26.97	26.97	26.97	26.97	26.97	26.98	26.98	26.99	26.99			

Maximum Hourly Pressure: 27.23 **Minimum Hourly Pressure:** 26.61

Total Number of Observations: 485 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

FEBRUARY 2010

BAROMETRIC PRESSURE (in Hg)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.18	26.99	26.97	26.97	26.96	26.96	26.97	26.97	26.98	26.98	26.99	INV	INV	INV
02/06/10	26.99	26.97	26.96	26.95	26.94	26.94	26.93	26.94	26.95	26.95	26.97	26.97	26.93	26.91	26.88	26.86	26.84	26.85	26.84	26.84	26.84	26.84	26.84	26.84	26.99	26.84	26.91
02/07/10	26.84	26.82	26.81	26.80	26.78	26.76	26.76	26.78	26.79	26.80	26.79	26.80	26.79	26.77	26.75	26.74	26.75	26.75	26.76	26.77	26.78	26.79	26.79	26.79	26.84	26.74	26.78
02/08/10	26.80	26.80	26.81	26.81	26.81	26.82	26.83	26.85	26.87	26.88	26.89	26.91	26.89	26.87	26.86	26.85	26.86	26.87	26.87	26.89	26.89	26.90	26.89	26.90	26.91	26.80	26.86
02/09/10	26.90	26.90	26.92	26.94	26.93	26.93	26.94	26.95	26.95	26.94	26.95	26.95	26.92	26.90	26.86	26.86	26.86	26.85	26.85	26.85	26.84	26.84	26.85	26.84	26.95	26.84	26.90
02/10/10	26.83	26.82	26.80	26.80	26.79	26.78	26.79	26.82	26.82	26.84	26.85	26.85	26.84	26.82	26.82	26.83	26.81	26.83	26.84	26.85	26.86	26.87	26.88	26.90	26.90	26.78	26.83
02/11/10	26.91	26.91	26.93	26.94	26.93	26.92	26.95	26.98	27.00	27.02	27.04	27.04	27.02	27.01	26.99	26.99	27.00	27.00	27.02	27.03	27.03	27.05	27.05	27.05	27.05	26.91	26.99
02/12/10	27.05	27.03	27.02	27.02	27.04	27.05	27.06	27.07	27.09	27.10	27.10	27.10	27.09	27.05	27.03	27.01	26.99	26.98	26.99	26.99	27.00	27.01	27.01	27.02	27.10	26.98	27.04
02/13/10	27.02	27.01	26.99	26.99	26.98	26.98	26.99	27.00	27.01	27.02	27.02	27.01	26.99	26.96	26.94	26.93	26.93	26.92	26.93	26.94	26.96	26.96	26.96	26.95	27.02	26.92	26.97
02/14/10	26.96	26.95	26.95	26.95	26.94	26.94	26.95	26.96	26.98	27.00	26.99	27.01	27.00	26.97	26.95	26.94	26.94	26.94	26.94	26.96	26.97	26.98	26.97	26.98	27.01	26.94	26.96
02/15/10	26.98	26.97	26.96	26.97	26.95	26.96	26.96	26.98	26.99	26.99	27.00	27.01	27.00	26.98	26.95	26.93	26.92	26.91	26.92	26.93	26.93	26.94	26.94	26.95	27.01	26.91	26.96
02/16/10	26.96	26.95	26.96	26.95	26.94	26.95	26.96	26.96	26.99	27.00	27.01	27.01	27.00	26.97	26.95	26.94	26.93	26.93	26.94	26.94	26.95	26.96	26.96	26.97	27.01	26.93	26.96
02/17/10	26.97	26.97	26.97	26.96	26.95	26.95	26.96	26.96	26.97	26.98	26.98	26.98	26.97	26.94	26.90	26.89	26.87	26.86	26.87	26.88	26.88	26.88	26.88	26.88	26.98	26.86	26.93
02/18/10	26.88	26.87	26.88	26.87	26.85	26.86	26.87	26.87	26.89	26.90	26.90	26.91	26.90	26.87	26.84	26.84	26.83	26.83	26.84	26.85	26.85	26.86	26.86	26.86	26.91	26.83	26.87
02/19/10	26.86	26.86	26.85	26.85	26.85	26.85	26.86	26.87	26.89	26.90	26.91	26.91	26.90	26.87	26.84	26.82	26.80	26.80	26.80	26.80	26.80	26.81	26.82	26.83	26.91	26.80	26.85
02/20/10	26.82	26.82	26.81	26.80	26.78	26.79	26.79	26.80	26.81	26.81	26.80	26.81	26.84	26.82	26.79	26.81	26.81	26.82	26.83	26.83	26.83	26.86	26.87	26.87	26.87	26.78	26.82
02/21/10	26.87	26.87	26.87	26.87	26.87	26.86	26.87	26.88	26.90	26.92	26.92	26.92	26.90	26.88	26.88	26.87	26.88	26.88	26.88	26.89	26.89	26.89	26.90	26.90	26.92	26.86	26.89
02/22/10	26.89	26.89	26.87	26.86	26.84	26.83	26.83	26.83	26.84	26.83	26.84	26.83	26.83	26.81	26.80	26.78	26.78	26.80	26.83	26.87	26.90	26.89	26.91	26.91	26.91	26.78	26.85
02/23/10	26.94	26.94	26.98	27.02	27.02	27.00	27.02	27.04	27.07	27.13	27.15	27.13	27.13	27.13	27.12	27.10	27.09	27.09	27.11	27.12	27.13	27.16	27.17	27.15	27.17	26.94	27.08
02/24/10	27.15	27.15	27.13	27.12	27.11	27.10	27.10	27.11	27.12	27.12	27.12	27.11	27.11	27.06	27.04	27.02	27.01	26.98	26.96	26.97	26.98	26.99	26.98	26.97	27.15	26.96	27.06
02/25/10	26.96	26.97	26.97	26.95	26.93	26.93	26.94	26.95	26.96	26.97	26.99	26.99	26.98	26.96	26.94	26.95	26.94	26.95	26.96	26.98	27.00	27.01	27.01	27.02	27.02	26.93	26.97
02/26/10	27.03	27.03	27.03	27.03	27.03	27.03	27.05	27.06	27.09	27.11	27.11	27.10	27.08	27.06	27.04	27.02	27.02	27.02	27.02	27.02	27.00	27.00	26.98	26.97	27.11	26.97	27.04
02/27/10	26.95	26.94	26.91	26.88	26.85	26.86	26.87	26.86	26.86	26.84	26.85	26.83	26.80	26.79	26.74	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	26.93	26.93	26.93	26.92	26.91	26.91	26.92	26.93	26.95	26.96	26.96	26.96	26.95	25.76	26.91	26.91	26.90	26.90	26.91	26.92	26.92	26.93	26.93	26.93			

Maximum Hourly Pressure: 27.17 **Minimum Hourly Pressure:** 26.74

Total Number of Observations: 530 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

MARCH 2010

BAROMETRIC PRESSURE (in Hg)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
03/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/06/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/07/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/08/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.03	27.15	27.14	27.13	27.11	27.10	27.10	27.11	27.12	27.15	27.18	27.20	27.21	27.22	INV	INV	INV
03/16/10	27.22	27.23	27.24	27.23	27.21	27.21	27.21	27.22	27.23	27.24	27.25	27.24	27.22	27.20	27.17	27.15	27.14	27.12	27.13	27.14	27.15	27.15	27.15	27.16	27.25	27.12	27.19
03/17/10	27.16	27.15	27.14	27.13	27.12	27.12	27.11	27.12	27.12	27.12	27.10	27.08	27.06	27.03	27.00	26.97	26.95	26.93	26.93	26.93	26.92	26.92	26.91	26.90	27.16	26.90	27.04
03/18/10	26.90	26.90	26.90	26.88	26.86	26.87	26.87	26.87	26.87	26.88	26.87	26.86	26.85	26.83	26.81	26.79	26.79	26.77	26.77	26.77	26.78	26.79	26.80	26.80	26.90	26.77	26.84
03/19/10	26.80	26.80	26.80	26.79	26.78	26.78	26.79	26.80	26.80	26.82	26.87	26.87	26.88	26.87	26.85	26.85	26.85	26.86	26.87	26.87	26.89	26.90	26.92	26.93	26.93	26.78	26.84
03/20/10	26.95	26.97	26.99	26.98	27.00	27.01	27.05	27.06	27.11	27.15	27.16	27.17	27.17	27.16	27.15	27.13	27.13	27.12	27.13	27.13	27.14	27.16	27.16	27.16	27.17	26.95	27.10
03/21/10	27.16	27.16	27.15	27.14	27.13	27.13	27.13	27.14	27.15	27.15	27.14	27.13	27.11	27.09	27.06	27.05	27.03	27.01	27.00	27.00	27.01	27.02	27.01	27.02	27.16	27.00	27.09
03/22/10	27.01	26.98	26.98	26.98	26.95	26.94	26.95	26.95	26.95	26.95	26.96	26.95	26.93	26.90	26.88	26.86	26.85	26.85	26.84	26.83	26.82	26.83	26.83	26.83	27.01	26.82	26.91
03/23/10	26.83	26.82	26.84	26.81	26.80	26.82	26.86	26.89	26.95	26.94	26.92	26.92	26.90	26.88	26.88	26.87	26.86	26.87	26.89	26.90	26.91	26.93	26.94	26.95	26.95	26.80	26.88
03/24/10	26.95	26.95	26.95	26.95	26.95	26.96	26.97	26.99	27.00	27.01	27.01	27.01	27.00	26.99	26.98	26.97	26.97	26.97	26.98	26.99	27.01	27.02	27.02	27.03	27.03	26.95	26.98
03/25/10	27.03	27.02	27.02	27.01	27.00	27.01	27.00	27.00	27.03	27.03	27.02	27.02	27.01	26.98	26.95	26.93	26.92	26.91	26.90	26.89	26.89	26.90	26.89	26.89	27.03	26.89	26.97
03/26/10	26.88	26.87	26.86	26.85	26.84	26.83	26.83	26.84	26.88	26.90	26.92	26.93	26.91	26.91	26.90	26.89	26.88	26.88	26.89	26.90	26.92	26.94	26.94	26.95	26.95	26.83	26.89
03/27/10	26.96	26.96	26.95	26.95	26.95	26.97	26.98	27.00	27.02	27.04	27.07	27.08	27.08	27.06	27.06	27.05	27.05	27.05	27.06	27.07	27.09	27.12	27.13	27.14	27.14	26.95	27.04
03/28/10	27.15	27.15	27.15	27.14	27.14	27.14	27.14	27.15	27.17	27.18	27.17	27.17	27.15	27.14	27.11	27.08	27.06	27.05	27.05	27.05	27.04	27.05	27.06	27.07	27.18	27.04	27.11
03/29/10	27.06	27.04	27.02	27.00	26.99	26.99	26.99	27.00	27.00	27.00	27.00	26.99	26.96	26.93	26.91	26.89	26.87	26.86	26.86	26.86	26.85	26.86	26.86	26.85	27.06	26.85	26.94
03/30/10	26.84	26.84	26.84	26.85	26.85	26.85	26.86	26.86	26.85	26.88	26.90	26.91	26.90	26.87	26.86	26.83	26.80	26.79	26.78	26.77	26.78	26.80	26.82	26.82	26.91	26.77	26.84
03/31/10	26.82	26.81	26.81	26.79	26.79	26.79	26.80	26.80	26.82	26.82	26.82	26.82	26.79	26.77	26.75	26.73	26.72	26.70	26.68	26.70	26.70	26.73	26.74	26.74	26.82	26.68	26.77
Hourly Averages	26.98	26.98	26.98	26.97	26.96	26.96	26.97	26.98	27.00	27.01	25.42	27.02	27.00	26.98	26.97	26.95	26.94	26.93	26.93	26.94	26.95	26.96	26.96	26.97			

Maximum Hourly Pressure: 27.25 **Minimum Hourly Pressure:** 26.68

Total Number of Observations: 398 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

APPENDIX KC2-G

HOURLY SOLAR RADIATION DATA

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

JANUARY 2010

SOLAR RADIATION (W/m^2)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
01/01/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1	140.2	242.6	469.3	559.5	586.9	545.6	471.6	337.7	154.1	8.7	0.0	0.0	0.0	0.0	0.0	0.0	586.9	0.0	294.1
01/02/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	101.0	324.4	460.8	551.4	584.0	560.3	476.6	339.7	158.9	12.3	0.0	0.0	0.0	0.0	0.0	0.0	584.0	0.0	297.8
01/03/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	103.9	333.3	471.6	559.9	591.1	563.0	477.2	342.3	164.1	10.1	0.0	0.0	0.0	0.0	0.0	0.0	591.1	0.0	301.8
01/04/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	101.9	333.4	472.3	562.6	596.8	523.7	491.9	324.7	144.5	5.2	0.0	0.0	0.0	0.0	0.0	0.0	596.8	0.0	296.8
01/05/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	102.7	333.5	472.5	561.5	593.5	566.8	482.0	346.8	165.2	14.4	0.0	0.0	0.0	0.0	0.0	0.0	593.5	0.0	303.7
01/06/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	98.5	299.9	443.8	510.6	553.2	534.9	470.9	272.8	71.5	9.2	0.0	0.0	0.0	0.0	0.0	0.0	553.2	0.0	272.6
01/07/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	53.1	218.4	236.6	294.5	384.6	400.2	258.4	204.0	87.2	24.8	0.0	0.0	0.0	0.0	0.0	0.0	400.2	0.0	180.7
01/08/10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	4.8	101.3	337.4	475.5	567.8	604.4	585.3	499.7	218.5	156.6	10.8	0.0	0.0	0.0	0.0	0.0	0.0	604.4	0.1	296.8
01/09/10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	6.6	79.7	220.9	491.5	583.6	617.7	591.3	506.4	371.0	174.5	13.0	0.0	0.0	0.0	0.0	0.0	0.0	617.7	0.1	304.7
01/10/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	79.5	223.5	345.0	406.0	488.4	492.4	270.9	243.3	70.3	8.7	0.0	0.0	0.0	0.0	0.0	0.0	492.4	0.0	219.6
01/11/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	105.8	343.0	483.7	574.7	606.1	583.2	499.0	361.8	180.6	21.6	0.0	0.0	0.0	0.0	0.0	0.0	606.1	0.0	313.7
01/12/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	108.3	341.3	483.4	574.3	607.5	584.2	499.7	362.2	165.2	8.8	0.0	0.0	0.0	0.0	0.0	0.0	607.5	0.0	311.7
01/13/10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	4.3	49.2	194.9	452.6	345.2	425.7	432.0	466.9	357.4	157.7	27.6	0.0	0.0	0.0	0.0	0.0	0.0	466.9	0.1	242.8
01/14/10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	6.5	110.7	336.1	480.6	569.1	604.8	585.0	502.9	366.1	180.5	21.3	0.0	0.0	0.0	0.0	0.0	0.0	604.8	0.1	313.6
01/15/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	109.6	348.7	494.4	590.2	627.2	601.1	518.6	382.7	189.5	19.8	0.0	0.0	0.0	0.0	0.0	0.0	627.2	0.0	323.9
01/16/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	87.6	227.1	406.3	444.3	339.9	316.4	253.7	193.1	182.1	28.2	0.0	0.0	0.0	0.0	0.0	0.0	444.3	0.0	207.1
01/17/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	70.2	120.3	239.0	381.9	335.8	290.2	371.4	167.6	140.6	33.7	0.0	0.0	0.0	0.0	0.0	0.0	381.9	0.0	179.8
01/18/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	42.8	81.9	181.5	254.1	96.5	68.3	99.2	66.9	43.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	254.1	0.0	78.2
01/19/10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	120.4	391.8	536.7	619.7	567.5	455.4	256.8	96.0	55.1	3.7	0.0	0.0	0.0	0.0	0.0	0.0	619.7	0.0	258.7
01/20/10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	4.4	INV	306.3	307.5	374.4	519.0	495.0	456.4	275.2	204.1	36.4	0.0	0.0	0.0	0.0	0.0	0.0	519.0	0.1	270.8
01/21/10	0.0	0.0	0.0	0.0	0.0	0.0	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	93.0	277.9	420.2	494.3	516.5	488.7	416.5	281.5	142.3	16.1	0.0	0.0	0.0	0.0	0.0	0.0			

Maximum Hourly Radiation: 627.2 **Minimum Hourly Radiation:** 0.0 **Average Monthly Radiation:** 263.5

Maximum 24-Hour Mean: 323.9 **Minimum 24-Hour Mean:** 78.2

Total Number of Observations: 485 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

Note: All Statisites Based on Daylight Hours

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

FEBRUARY 2010

SOLAR RADIATION (W/m²)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	247.0	492.4	280.9	139.5	42.6	0.0	0.0	0.0	0.0	0.0	0.0	492.4	42.6	240.5
02/06/10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	11.5	132.7	340.1	389.5	531.3	694.6	507.6	603.7	179.4	96.3	30.3	0.0	0.0	0.0	0.0	0.0	0.0	694.6	0.1	293.1
02/07/10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	5.4	13.8	270.1	452.5	518.6	373.4	443.2	498.8	440.5	158.0	85.4	0.0	0.0	0.0	0.0	0.0	0.0	518.6	0.1	271.7
02/08/10	0.0	0.0	0.0	0.0	0.0	0.0	0.2	13.7	90.4	398.6	308.0	270.4	333.8	452.0	435.1	189.6	91.5	48.2	0.0	0.0	0.0	0.0	0.0	0.0	452.0	0.2	219.3
02/09/10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	9.5	157.9	400.3	554.0	657.8	703.3	587.9	577.9	413.9	225.5	88.2	0.0	0.0	0.0	0.0	0.0	0.0	703.3	0.1	364.7
02/10/10	0.0	0.0	0.0	0.0	0.0	0.0	0.2	18.0	138.0	319.8	403.1	274.6	248.4	110.9	142.9	122.9	81.5	37.4	0.0	0.0	0.0	0.0	0.0	0.0	403.1	0.2	158.1
02/11/10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	8.1	76.9	290.7	381.9	458.6	660.0	806.0	703.0	516.3	289.6	88.7	0.0	0.0	0.0	0.0	0.0	0.0	806.0	0.1	356.7
02/12/10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	13.8	159.9	384.6	547.7	656.3	697.7	678.1	590.1	457.5	271.3	81.6	0.0	0.0	0.0	0.0	0.0	0.0	697.7	0.1	378.2
02/13/10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	13.7	175.1	409.1	565.0	672.6	717.5	698.2	603.8	472.2	281.4	87.4	0.0	0.0	0.0	0.0	0.0	0.0	717.5	0.1	391.3
02/14/10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	13.1	178.7	416.1	573.2	679.0	724.2	704.6	625.4	485.7	303.1	96.6	0.0	0.0	0.0	0.0	0.0	0.0	724.2	0.1	400.0
02/15/10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	11.7	186.4	426.3	583.2	686.1	732.6	710.7	623.8	441.4	294.3	102.2	0.0	0.0	0.0	0.0	0.0	0.0	732.6	0.1	399.9
02/16/10	0.0	0.0	0.0	0.0	0.0	0.0	0.2	13.7	194.8	429.3	588.6	695.3	742.9	725.3	642.4	504.3	319.2	100.9	0.0	0.0	0.0	0.0	0.0	0.0	742.9	0.2	413.1
02/17/10	0.0	0.0	0.0	0.0	0.0	0.0	0.2	15.2	197.8	429.0	585.5	688.3	733.2	682.3	609.4	495.8	313.9	74.6	0.0	0.0	0.0	0.0	0.0	0.0	733.2	0.2	402.1
02/18/10	0.0	0.0	0.0	0.0	0.0	0.0	0.2	15.4	200.3	425.7	603.1	687.4	731.3	713.0	627.8	495.5	312.5	99.9	0.0	0.0	0.0	0.0	0.0	0.0	731.3	0.2	409.3
02/19/10	0.0	0.0	0.0	0.0	0.0	0.0	0.3	26.7	172.4	412.1	557.1	657.7	757.4	727.0	642.1	472.6	286.4	88.8	0.0	0.0	0.0	0.0	0.0	0.0	757.4	0.3	400.0
02/20/10	0.0	0.0	0.0	0.0	0.0	0.0	0.3	26.0	107.8	103.6	99.8	35.3	63.9	117.8	98.1	171.7	96.7	28.8	0.0	0.0	0.0	0.0	0.0	0.0	171.7	0.3	79.1
02/21/10	0.0	0.0	0.0	0.0	0.0	0.0	0.2	9.2	78.7	96.1	126.2	158.4	135.0	112.4	286.2	79.7	90.6	32.3	0.0	0.0	0.0	0.0	0.0	0.0	286.2	0.2	100.4
02/22/10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	8.0	16.9	47.4	83.1	176.0	310.7	75.0	86.5	53.3	63.3	9.3	0.0	0.0	0.0	0.0	0.0	0.0	310.7	0.1	77.5
02/23/10	0.0	0.0	0.0	0.0	0.0	0.0	0.6	16.9	242.0	470.8	631.2	735.7	777.6	758.4	668.6	531.6	346.7	117.1	0.0	0.0	0.0	0.0	0.0	0.0	777.6	0.6	441.4
02/24/10	0.0	0.0	0.0	0.0	0.0	0.0	0.3	20.1	77.7	246.3	556.4	653.9	750.1	626.6	594.5	495.7	191.5	77.3	0.0	0.0	0.0	0.0	0.0	0.0	750.1	0.3	357.5
02/25/10	0.0	0.0	0.0	0.0	0.0	0.0	0.4	15.7	247.5	460.3	618.4	724.0	765.6	694.0	577.9	509.7	335.9	111.0	0.0	0.0	0.0	0.0	0.0	0.0	765.6	0.4	421.7
02/26/10	0.0	0.0	0.0	0.0	0.0	0.0	0.8	22.0	258.9	469.2	627.5	727.7	787.3	756.2	498.9	269.5	165.6	126.1	0.0	0.0	0.0	0.0	0.0	0.0	787.3	0.8	392.5
02/27/10	0.0	0.0	0.0	0.0	0.0	0.0	0.4	38.0	93.0	164.3	204.3	269.6	413.5	252.4	285.5	INV	INV	INV	INV	INV	INV	INV	INV	INV	413.5	0.4	191.2
02/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Hourly Averages	0.0	0.0	0.0	0.0	0.0	0.0	0.2	15.7	145.3	336.8	456.3	527.9	584.3	529.9	500.6	367.3	216.1	75.2	0.0	0.0	0.0	0.0	0.0	0.0			

Maximum Hourly Radiation: 806.0 **Minimum Hourly Radiation:** 0.1 **Average Monthly Radiation:** 311.3

Maximum 24-Hour Mean: 441.4 **Minimum 24-Hour Mean:** 77.5

Total Number of Observations: 530 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

Note: All Statisitcs Based on Daylight Hours

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

MARCH 2010

SOLAR RADIATION (W/m^2)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Avg
03/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/06/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/07/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/08/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	764.4	810.0	848.0	829.0	745.1	611.2	444.6	217.0	31.3	0.1	0.0	0.0	0.0	0.0	848.0	0.1	530.1
03/16/10	0.0	0.0	0.0	0.0	0.0	0.0	2.6	65.7	331.2	535.2	698.6	812.0	858.0	842.0	758.2	612.5	454.0	204.9	31.3	0.1	0.0	0.0	0.0	0.0	858.0	0.1	443.3
03/17/10	0.0	0.0	0.0	0.0	0.0	0.0	2.7	69.1	341.3	547.2	710.5	820.0	868.0	851.0	769.9	635.2	494.0	234.5	32.8	0.0	0.0	0.0	0.0	0.0	868.0	0.0	455.4
03/18/10	0.0	0.0	0.0	0.0	0.0	0.0	3.3	74.4	338.4	540.7	704.0	809.0	854.0	836.0	749.0	613.9	465.2	202.5	30.0	0.0	0.0	0.0	0.0	0.0	854.0	0.0	444.3
03/19/10	0.0	0.0	0.0	0.0	0.0	0.0	3.9	53.4	318.5	221.7	256.0	737.5	655.7	812.0	732.8	576.6	414.4	202.8	29.1	0.1	0.0	0.0	0.0	0.0	812.0	0.1	358.2
03/20/10	0.0	0.0	0.0	0.0	0.0	0.0	3.5	84.1	359.7	563.9	730.3	837.0	880.0	862.0	777.6	639.0	480.2	161.6	29.7	0.1	0.0	0.0	0.0	0.0	880.0	0.1	457.8
03/21/10	0.0	0.0	0.0	0.0	0.0	0.0	6.3	90.1	361.0	567.3	729.4	836.0	859.0	834.0	747.8	581.8	308.6	133.3	25.3	0.1	0.0	0.0	0.0	0.0	859.0	0.1	434.3
03/22/10	0.0	0.0	0.0	0.0	0.0	0.0	4.6	91.5	357.2	574.2	661.1	629.5	805.0	820.0	761.2	632.1	294.8	108.1	32.1	0.1	0.0	0.0	0.0	0.0	820.0	0.1	412.2
03/23/10	0.0	0.0	0.0	0.0	0.0	0.0	1.1	4.3	22.8	62.9	126.7	184.8	175.0	157.8	236.6	177.4	150.5	87.0	22.8	0.1	0.0	0.0	0.0	0.0	236.6	0.1	100.7
03/24/10	0.0	0.0	0.0	0.0	0.0	0.0	7.0	100.1	356.9	561.7	721.0	827.0	867.0	842.0	755.6	614.5	456.5	155.9	19.0	0.2	0.0	0.0	0.0	0.0	867.0	0.2	448.9
03/25/10	0.0	0.0	0.0	0.0	0.0	0.0	7.3	105.5	352.4	554.4	716.6	821.0	864.0	850.0	752.6	621.0	457.0	188.4	31.0	0.1	0.0	0.0	0.0	0.0	864.0	0.1	451.5
03/26/10	0.0	0.0	0.0	0.0	0.0	0.0	12.0	123.9	342.2	557.2	716.1	813.0	860.0	813.0	749.8	613.3	472.0	214.2	33.1	0.1	0.0	0.0	0.0	0.0	860.0	0.1	451.4
03/27/10	0.0	0.0	0.0	0.0	0.0	0.0	8.5	120.4	376.7	572.7	735.2	841.0	886.0	863.0	780.2	641.5	503.7	222.1	33.0	0.1	0.0	0.0	0.0	0.0	886.0	0.1	470.3
03/28/10	0.0	0.0	0.0	0.0	0.0	0.0	8.0	130.1	396.9	596.5	753.8	857.0	897.0	878.0	790.3	650.5	514.7	238.2	34.4	0.1	0.0	0.0	0.0	0.0	897.0	0.1	481.8
03/29/10	0.0	0.0	0.0	0.0	0.0	0.0	9.2	121.4	396.0	597.1	758.4	853.0	815.0	884.0	709.0	468.4	293.0	144.2	23.3	0.3	0.0	0.0	0.0	0.0	884.0	0.3	433.7
03/30/10	0.0	0.0	0.0	0.0	0.0	0.0	6.0	137.2	401.2	597.9	754.4	857.0	897.0	876.0	794.1	655.2	507.4	241.0	33.1	0.1	0.0	0.0	0.0	0.0	897.0	0.1	482.7
03/31/10	0.0	0.0	0.0	0.0	0.0	0.0	8.1	132.3	382.5	589.7	738.0	752.3	750.0	634.1	640.5	652.6	481.8	206.6	29.5	0.2	0.0	0.0	0.0	0.0	752.3	0.2	428.4
Hourly Averages	0.0	0.0	0.0	0.0	0.0	0.0	5.9	94.0	339.7	515.0	663.2	770.4	802.3	793.2	720.6	588.0	423.1	186.0	29.4	0.1	0.0	0.0	0.0	0.0			

Maximum Hourly Radiation: 897.0 **Minimum Hourly Radiation:** 0.0 **Average Monthly Radiation:** 428.5

Maximum 24-Hour Mean: 530.1 **Minimum 24-Hour Mean:** 100.7

Total Number of Observations: 398 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

Note: All Statisitcs Based on Daylight Hours

APPENDIX KC2-H

HOURLY EVAPORATION DATA

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

JANUARY 2010

EVAPORATION (inches)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total Evaporation
01/01/10	0.003	0.010	0.005	0.004	0.002	0.006	0.028	0.005	0.000	0.008	0.014	0.016	0.006	0.010	0.016	0.013	0.015	0.015	0.009	0.007	0.010	0.010	0.008	0.005	0.225
01/02/10	0.005	0.005	0.008	0.015	0.008	0.005	0.002	0.015	0.008	0.003	0.001	0.014	0.013	0.008	0.011	0.018	0.017	0.014	0.006	0.004	0.008	0.004	0.005	0.008	0.205
01/03/10	0.004	0.005	0.004	0.000	0.003	0.003	0.005	0.005	0.006	0.004	0.006	0.008	0.019	0.006	0.008	0.010	0.020	0.015	0.010	0.017	0.020	0.005	0.015	0.015	0.213
01/04/10	0.008	0.013	0.008	0.018	0.008	0.010	0.008	0.000	0.018	0.023	0.024	0.021	0.011	0.001	0.013	0.005	0.010	0.020	0.022	0.028	0.010	0.007	0.008	0.015	0.309
01/05/10	0.008	0.003	0.010	0.008	0.007	0.003	0.013	0.008	0.010	0.000	0.014	0.008	0.008	0.006	0.008	0.008	0.012	0.014	0.012	0.017	0.008	0.008	0.007	0.005	0.205
01/06/10	0.007	0.003	0.008	0.005	0.003	0.003	0.005	0.003	0.005	0.001	INV	0.009	0.006	0.005	0.010	0.010	0.017	0.009	0.004	0.004	0.005	0.007	0.008	0.005	0.142
01/07/10	0.005	0.006	0.005	0.000	0.001	0.003	0.003	0.008	0.002	0.006	0.008	0.009	0.006	0.006	0.008	0.013	0.010	0.007	0.011	0.007	0.007	0.008	0.003	0.008	0.150
01/08/10	0.007	0.006	0.007	INV	0.015	0.000	0.000	0.031	0.003	0.026	0.011	0.003	0.026	0.013	0.005	0.013	0.017	0.004	0.013	0.018	0.013	0.007	0.002	0.002	0.242
01/09/10	0.005	0.013	0.015	0.015	0.008	0.003	0.002	0.013	0.000	0.019	0.011	0.011	0.008	0.003	0.011	0.010	0.017	0.007	0.012	0.008	0.018	0.005	0.013	0.005	0.232
01/10/10	0.008	0.005	0.005	0.010	0.013	0.000	0.013	0.005	0.003	0.000	0.018	0.016	0.011	0.013	0.013	0.015	0.012	0.020	0.005	0.018	0.005	0.023	0.010	0.003	0.244
01/11/10	0.008	0.010	0.010	0.008	0.003	0.003	0.010	0.003	0.000	0.014	0.009	0.021	0.006	0.013	0.008	0.015	0.012	0.027	0.035	0.005	0.007	0.013	0.004	0.008	0.252
01/12/10	0.010	0.023	0.010	0.013	0.005	0.023	0.002	0.013	0.013	0.000	0.009	INV	0.022	0.034	0.008	0.005	0.012	0.024	0.035	0.010	0.005	0.010	0.015	0.008	0.309
01/13/10	0.012	0.013	0.010	0.009	0.010	0.010	0.005	0.008	0.013	0.008	0.010	0.006	0.010	0.018	0.016	0.013	0.032	0.022	0.007	0.010	0.007	0.005	0.008	0.079	0.341
01/14/10	0.000	0.000	0.010	0.007	0.003	0.008	0.005	0.007	0.005	0.008	0.004	0.006	0.011	0.016	0.003	0.005	0.015	0.006	0.001	0.007	0.012	0.013	0.026	0.169	0.347
01/15/10	0.039	0.008	0.000	0.002	0.002	0.015	0.005	0.000	0.000	0.001	0.004	0.009	0.003	0.001	0.006	0.013	0.012	0.009	0.006	0.007	0.010	0.005	0.002	0.010	0.169
01/16/10	0.007	0.005	0.005	0.008	0.003	0.005	0.005	0.005	0.006	0.010	0.007	0.006	0.003	0.003	0.010	0.008	0.008	0.002	0.008	0.008	0.008	0.004	0.002	0.003	0.139
01/17/10	0.005	0.003	0.002	0.010	0.002	0.007	0.005	0.003	0.006	0.010	0.006	0.003	0.004	0.008	0.013	0.010	0.010	0.007	0.006	0.007	0.008	0.002	0.004	0.006	0.147
01/18/10	0.003	0.005	0.005	0.005	0.000	0.003	0.003	0.002	0.000	0.000	0.013	0.001	0.005	0.003	0.003	0.005	0.008	0.008	0.005	0.010	0.003	0.013	0.000	0.000	0.103
01/19/10	0.000	0.005	0.005	0.000	0.000	0.000	0.000	0.005	0.001	0.001	0.005	0.004	0.000	0.000	0.011	0.007	0.012	0.007	0.008	0.000	0.000	0.000	0.000	0.000	0.071
01/20/10	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	INV	0.001	0.001	0.001	0.001	0.003	0.009	0.004	0.005	0.005	0.009	0.013	0.000	0.003	0.000	0.003	0.061
01/21/10	0.000	0.000	0.000	0.000	0.000	0.000	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV

Total Evaporation for the month =4.106

Total Number of Observations: 482 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

FEBRUARY 2010

EVAPORATION (inches)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total Evaporation
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.007	0.009	0.007	0.012	0.004	0.008	0.004	0.005	0.002	0.003	0.061
02/06/10	0.003	0.003	0.005	0.005	0.003	0.002	0.005	0.003	0.002	0.006	0.002	0.004	0.008	0.005	0.008	0.014	0.010	0.020	0.006	0.008	0.008	0.005	0.005	0.004	0.144
02/07/10	0.002	0.004	0.002	0.003	0.000	0.000	0.000	0.000	0.000	0.001	0.003	0.001	0.003	0.003	0.011	0.010	0.010	0.012	0.009	0.001	0.002	0.003	0.005	0.003	0.088
02/08/10	0.000	0.003	0.000	0.003	0.003	0.002	0.001	0.003	0.000	0.002	0.001	0.003	0.001	0.003	0.009	0.004	0.005	0.004	0.002	0.004	0.005	0.003	0.010	0.000	0.071
02/09/10	0.003	0.002	0.002	0.000	0.003	0.002	0.000	0.003	0.003	0.007	0.004	0.007	0.008	0.015	0.005	0.005	0.005	0.007	0.006	0.017	0.007	0.002	0.002	0.000	0.115
02/10/10	0.008	0.000	0.003	0.004	0.003	0.003	0.002	0.002	0.006	0.001	0.003	0.003	0.010	0.009	0.001	0.000	0.003	0.004	0.001	0.000	0.004	0.002	0.000	0.000	0.072
02/11/10	0.003	0.001	0.001	0.001	0.002	0.003	0.002	0.000	0.001	0.001	0.001	0.003	0.001	0.009	0.010	0.013	0.015	0.014	0.007	0.004	0.001	0.002	0.003	0.000	0.098
02/12/10	0.003	0.008	0.003	0.000	0.001	0.002	0.000	0.002	0.011	0.000	0.001	0.001	0.006	0.008	0.003	0.018	0.015	0.014	0.009	0.004	0.002	0.007	0.001	0.005	0.124
02/13/10	0.000	0.010	0.000	0.003	0.005	0.003	0.003	0.000	0.001	0.004	0.005	0.004	0.009	0.006	0.020	0.015	0.015	0.015	0.009	0.009	0.008	0.004	0.013	0.002	0.163
02/14/10	0.008	0.003	0.005	0.008	0.005	0.018	0.006	0.000	0.008	0.009	0.003	0.011	0.012	0.019	0.015	0.015	0.026	0.017	0.012	0.007	0.017	0.023	0.005	0.007	0.259
02/15/10	0.010	0.005	0.028	0.003	0.008	0.008	0.015	0.020	0.003	0.012	0.013	0.008	0.008	0.011	0.016	0.010	0.020	0.014	0.017	0.010	0.007	0.008	0.005	0.012	0.271
02/16/10	0.013	0.018	0.008	0.010	0.003	0.015	0.008	0.020	0.033	0.006	0.002	0.021	0.013	0.016	0.008	0.018	0.013	0.019	0.012	0.015	0.013	0.010	0.013	0.012	0.319
02/17/10	0.002	0.010	0.013	0.018	0.008	0.013	0.015	0.005	0.015	0.006	0.008	0.003	0.003	0.011	0.013	0.013	0.015	0.025	0.014	0.009	0.008	0.010	0.002	0.008	0.247
02/18/10	0.005	0.002	0.008	0.008	0.002	0.002	0.003	0.003	0.001	0.001	INV	0.005	0.016	0.008	0.018	0.023	0.015	0.017	0.017	0.009	0.008	0.008	0.005	0.005	0.189
02/19/10	0.003	0.003	0.005	0.002	0.002	0.003	0.005	0.003	0.003	0.003	0.006	0.003	0.013	0.023	0.018	0.031	0.018	0.015	0.017	0.012	0.004	0.008	0.005	0.005	0.210
02/20/10	0.005	0.005	0.005	0.003	0.002	0.008	0.000	0.003	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003	0.000	0.003	0.000	0.000	0.000	0.000	0.043
02/21/10	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.003	0.000	0.000	0.000	0.000	0.019
02/22/10	0.000	0.003	0.008	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.005	0.029
02/23/10	0.001	0.003	0.005	0.003	0.003	0.003	0.003	0.005	0.001	0.005	0.014	0.011	0.002	0.016	0.011	0.008	0.005	0.005	0.012	0.001	0.010	0.005	0.008	0.005	0.145
02/24/10	0.003	0.003	0.005	0.000	0.005	0.003	0.003	0.005	0.013	0.001	0.014	0.002	0.001	0.008	0.005	0.013	0.015	0.010	0.011	0.007	0.008	0.003	0.003	0.007	0.148
02/25/10	0.003	0.003	0.003	0.003	0.003	0.000	0.000	0.002	0.001	0.001	0.006	0.005	0.013	0.018	0.018	0.015	0.025	0.028	0.011	0.007	0.005	0.008	0.003	0.012	0.193
02/26/10	0.006	0.005	0.028	0.003	0.010	0.010	0.010	0.000	0.010	0.006	0.010	0.027	0.008	0.006	0.015	0.010	0.017	0.007	0.004	0.015	0.008	0.015	0.018	0.020	0.268
02/27/10	0.005	0.008	0.003	0.008	0.020	0.013	0.013	0.010	0.003	0.003	0.003	0.023	0.003	0.003	0.005	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.123
02/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV

Total Evaporation for the month =3.399

Total Number of Observations: 528 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

MARCH 2010

EVAPORATION (inches)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total Evaporation
03/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/06/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/07/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/08/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.000	0.000	0.000	0.015	0.016	0.025	0.020	0.019	0.020	0.032	0.015	0.010	0.015	0.187
03/16/10	0.023	0.004	0.002	0.008	0.010	0.013	0.003	0.015	0.006	0.009	0.003	0.009	0.014	0.011	0.019	0.018	0.015	0.020	0.024	0.010	0.010	0.015	0.018	0.013	0.292
03/17/10	0.007	0.015	0.010	0.010	0.012	0.010	0.015	0.003	0.010	0.011	0.007	0.011	0.013	0.027	0.026	0.015	0.038	0.014	0.027	0.022	0.022	0.018	0.023	0.015	0.381
03/18/10	0.028	0.012	0.020	0.015	0.010	0.020	0.008	0.015	0.003	0.014	0.017	0.021	0.016	0.026	0.030	0.035	0.030	0.027	0.030	0.011	0.014	0.010	0.012	0.008	0.432
03/19/10	0.007	0.013	0.005	0.002	0.005	0.005	0.008	0.003	0.004	0.016	0.002	0.002	0.003	0.003	0.013	0.020	0.020	0.030	0.015	0.007	0.007	0.010	0.010	0.010	0.220
03/20/10	0.018	0.015	0.038	0.018	0.018	0.013	0.023	0.000	0.016	0.001	0.011	0.026	0.008	0.018	0.029	0.020	0.018	0.022	0.014	0.007	0.014	0.008	0.010	0.008	0.373
03/21/10	0.010	0.003	0.013	0.002	0.010	0.002	0.002	0.004	0.021	0.004	0.031	0.009	0.001	0.015	0.026	0.020	0.031	0.015	0.022	0.012	0.012	0.010	0.008	0.007	0.290
03/22/10	0.008	0.008	0.005	0.005	0.005	0.005	0.005	0.005	0.004	INV	0.002	0.003	0.004	0.016	0.020	0.020	0.032	0.027	0.019	0.014	0.009	0.009	0.007	0.008	0.240
03/23/10	0.005	0.005	0.003	0.005	0.005	0.004	0.008	0.001	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.007	0.005	0.005	0.002	0.005	0.002	0.000	0.063
03/24/10	0.005	0.003	0.000	0.002	0.002	0.002	0.000	0.003	0.000	0.000	0.000	0.009	0.004	0.015	0.006	0.012	0.018	0.022	0.017	0.009	0.008	0.008	0.007	0.005	0.157
03/25/10	0.008	0.003	0.008	0.004	0.006	0.005	0.005	0.003	0.001	0.003	0.004	0.004	0.024	0.016	0.015	0.018	0.031	0.025	0.026	0.014	0.009	0.010	0.009	0.010	0.261
03/26/10	0.004	0.010	0.005	0.008	0.005	0.004	0.005	0.005	0.003	0.007	0.013	0.021	0.021	0.031	0.021	0.031	0.028	0.025	0.038	0.022	0.008	0.008	0.009	0.008	0.340
03/27/10	0.008	0.005	0.004	0.008	0.003	0.002	0.002	0.001	0.000	0.017	0.006	0.029	0.006	0.016	0.023	0.020	0.036	0.017	0.017	0.015	0.009	0.009	0.013	0.010	0.276
03/28/10	0.010	0.013	0.007	0.008	0.008	0.010	0.008	0.005	0.004	0.009	0.006	0.009	0.023	0.029	0.010	0.036	0.020	0.020	0.022	0.022	0.012	0.009	0.010	0.015	0.325
03/29/10	0.015	0.010	0.008	0.008	0.004	0.002	0.022	0.021	0.009	0.001	0.009	0.011	0.017	0.016	0.023	0.038	0.027	0.030	0.020	0.014	0.012	0.010	0.012	0.010	0.349
03/30/10	0.007	0.007	0.008	0.008	0.004	0.005	0.009	0.006	0.001	0.004	0.009	0.019	0.019	0.028	0.028	0.026	0.038	0.030	0.024	0.019	0.012	0.012	0.010	0.015	0.348
03/31/10	0.008	0.008	0.010	0.007	0.008	0.008	0.005	0.000	0.011	0.019	0.013	0.014	0.028	0.026	0.028	0.046	0.043	0.030	0.030	0.020	0.017	0.017	0.010	0.013	0.419

Total Evaporation for the month =4.953

Total Number of Observations: 396 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

APPENDIX KC2-I

HOURLY PRECIPITATION DATA

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

JANUARY 2010

PRECIPITATION (inches)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total Precipitation
01/01/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/02/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/03/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/04/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/05/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/06/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/07/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/08/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/09/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/10/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/11/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/12/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/13/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.18
01/14/10	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
01/15/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/16/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/17/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/18/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03
01/19/10	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.17	0.15	0.28	0.38	1.05
01/20/10	0.09	0.01	0.00	0.02	0.03	0.00	0.01	0.00	INV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16
01/21/10	0.00	0.02	0.17	0.08	0.18	0.10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.55
01/22/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/23/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/24/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/25/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/26/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/27/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/29/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/30/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
01/31/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV

Total Precipitation for the month = 2.15

Total Number of Observations: 485 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

FEBRUARY 2010

PRECIPITATION (inches)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total Precipitation
02/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/06/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/07/10	0.00	0.00	0.00	0.00	0.03	0.14	0.20	0.11	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50
02/08/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/09/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/10/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/11/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/12/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/13/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/14/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/15/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/16/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/17/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/18/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/19/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/20/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.13	0.03	0.01	0.02	0.03	0.00	0.00	0.00	0.00	0.04	0.11	0.05	0.05	0.59
02/21/10	0.00	0.00	0.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.03	0.05	0.02	0.08	0.00	0.04	0.00	0.00	0.00	0.02	0.02	0.00	0.32
02/22/10	0.00	0.00	0.00	0.05	0.02	0.02	0.01	0.00	0.09	0.03	0.08	0.06	0.16	0.10	0.00	0.01	0.02	0.02	0.08	0.09	0.09	0.00	0.00	0.00	0.93
02/23/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/24/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/25/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/26/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/27/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00
02/28/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV

Total Precipitation for the month = 2.34

Total Number of Observations: 530 **Possible Number of Observations:** 672 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

MARCH 2010

PRECIPITATION (inches)

Day	Hour 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total Precipitation
03/01/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/02/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/03/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/04/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/05/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/06/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/07/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/08/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/09/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/10/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/11/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/12/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/13/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/14/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/15/10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00	1.02	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06
03/16/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/17/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/18/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/19/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/20/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/21/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/22/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/23/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13
03/24/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/25/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/26/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/27/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/28/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/29/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/30/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/31/10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Total Precipitation for the month = 2.19

Total Number of Observations: 398 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection

APPENDIX B

METEOROLOGICAL PERFORMANCE AUDIT REPORT

Resolution Copper Mine Monitoring Sites

Semi-Annual Meteorological Audit Report

Superior, Arizona

March 15-16, 2010

Prepared for:

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MARCH 29, 2010

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1. INTRODUCTION

This report summarizes the results of a performance audit of two separate monitoring stations, one at the location of the east plant (KC1) and the west plant (KC2), conducted by Applied Environmental Consultants, Inc. (AEC) on March 16, 2010 and March 15, 2010 respectively. The Resolution Mine is located just east of Superior, Arizona in Pinal County as shown in Figure 1.1. The meteorological performance audit was conducted according to the United States Environmental Protection Agency (EPA) guidance documents *Ambient Monitoring Guidelines for Prevention of Significant Deterioration (PSD)*, EPA-450/4-87-007, May 1987, and the EPA *Quality Assurance Handbook for Air Pollution Measurement Systems, Volume IV: Meteorological Measurements Versions 2.0,* EPA-454/B-08-002, March 2008.

The ensuing sections of this appendix present the details of the audit and the audit results. Section 2 contains a description of the performance audit procedures, Section 3 contains the audit criteria and the audit results are presented in Section 4.

Figure 1.1 Map showing locations of KC1 and KC2 monitoring sites in Pinal County, Arizona.

2. DESCRIPTION OF PERFORMANCE AUDIT PROCEDURES

The meteorological performance audit process included an overall inspection of the monitoring system and physical challenges of the instruments. A complete listing of the audited meteorological equipment is presented in Table 2.1. The following sections describe the audit procedures for each meteorological parameter.

Table 2.1 Monitoring Equipment Evaluated During The Audit

Parameter	Manufacturer	Model Number	Serial Number	
			KC1	KC2
Wind Speed	Met One	014A	A6938	Invisible
Wind Direction	Met One	024A	Invisible	Invisible
Differential Temperature				
2-meter sensor	RM Young	43347-L	15044	15046
10-meter sensor	RM Young	43347-L	15048	15047
Humidity / Temperature	Campbell Scientific	HMP50-L	D2230029	D2230030
Pressure	Campbell Scientific	CS100	3629398	3629397
Solar Radiation	LI-COR	LI200X	Invisible	Invisible
Evaporation	Novalynx	255-100	526	527
Precipitation	Met One	970	Invisible	860-B

2.1 Wind Speed

The wind speed sensor was visually inspected to ensure that it was functional and well maintained. The wind speed sensor was challenged by removing the propeller, attaching an R.M. Young 18802 variable speed anemometer drive to the sensor shaft, and generating simulated audit wind speeds. The sensor response to seven different rates of rotation as recorded by the data acquisition system (DAS) was compared to the simulated wind speeds. The mean absolute error of the sensor responses was then calculated.

The wind speed starting threshold was checked by attaching a Waters Series 366 torque watch to the sensor shaft. Starting torque is related to the sensor starting threshold by a manufacturer supplied relationship. By rotating the torque watch shaft clockwise and counterclockwise, the starting torque can be measured.

2.2 Wind Direction

To evaluate the alignment of the wind direction sensor, the wind vane was pointed toward previously surveyed points and the DAS responses were recorded. These sensor responses were then compared to the known direction and a mean absolute alignment error was calculated. Next, the wind direction sensor was removed from the tower and attached to a R.M. Young 18112 wind direction calibrator to evaluate the sensor's internal response characteristics. The vane was aligned to 12 different directions from 10° to 340° at 30° increments, and the sensor response was recorded. The mean absolute error of the sensor responses was then calculated.

Starting torque for the wind direction sensor was determined by attaching an R.M. Young Vane Torque Gauge, Model 18331 over the center of the wind direction sensor shaft. The threshold torque necessary to start and maintain the movement of the sensor was determined. Several points around the 360° instrument range were tested and compared to the manufacturer's suggested starting torque. Upon completion of the audit, the wind direction sensor was reinstalled and the alignment was rechecked to verify proper alignment with true north.

2.3 Differential Temperature

The differential temperature system being utilized consists of a matched pair of temperature sensors which are placed at 2-meters and 10-meters above the ground. The audit for the two sensors was conducted under two different procedures. First, the 2-meter and 10-meter temperature sensors were audited by immersing both sensors together in water baths of different temperatures (ice, ambient, and upscale) together with an Fisher Scientific NIST-traceable digital thermometer (see Appendix B-EQUIP). For each observation, the bath was stirred to ensure a uniform temperature throughout and the temperature sensors and audit thermometer responses were allowed to stabilize. Five paired measurements were taken and the differences between both the 2-meter and 10-meter sensors and the audit thermometer were averaged for each of the three water baths.

The purpose of the second audit procedure is to verify that both differential temperature sensors have similar readings under varying temperature conditions. Thus, the audit thermometers are used only as a reference to ensure the temperature conditions are similar during the test. The second audit procedure involves immersing the 2-meter temperature sensor in an ambient water bath with an audit thermometer concurrently with immersing the 10-meter temperature sensor and a second audit thermometer in an ice water bath. Both bathes were stirred to ensure uniform temperature. Five measurements for each bath were taken and the differences between the 10-meter and 2-meter temperature sensors were averaged. Then, the 2-meter and 10-meter temperature sensors were placed in opposite baths. Another five measurements for each bath were recorded and the differences between the 10-meter and 2-meter temperature sensors were averaged. Finally, the absolute difference between the average differential temperatures for each bath was then calculated.

2.4 Relative Humidity

The relative humidity sensor was audited by comparison measurements with an EXTECH RH390 at ambient conditions. The RH390 measures relative humidity by a precision capacitance sensor and is

NIST traceable (see Appendix B-EQUIP). The absolute difference between the relative humidity sensors from the psychrometer and the field sensor was determined.

2.5 Temperature

The temperature probe at each location was audited by measuring the ambient air temperatures together with a Fisher Scientific traceable digital thermometer. The Fisher thermometer was previously certified against a NIST-traceable thermometer (see Appendix B-EQUIP). For each observation, the temperature probe and audit thermometer responses were allowed to stabilize. Five paired measurements were taken and the mean absolute differences were calculated.

2.6 Barometric Pressure

The ambient barometric pressure was compared to the barometric pressure as measured by a hand held barometer (70510462) manufactured by Druck Company. Five measurements were taken and the mean absolute difference was determined. The Druck pressure indicator was previously certified to an NIST-traceable pressure standard (see Appendix B-EQUIP).

2.7 Solar Radiation

The solar radiation sensor was audited by comparing the sensor to a reference standard pyranometer (4795) manufactured by Matrix Solar Services Company. Both sensors were connected to the same datalogger for the most accurate performance audits. Five hourly readings were taken and the mean absolute difference was determined. The reference sensor was annually certified by the manufacturer (see Appendix B-EQUIP).

2.8 Evaporation

The Novalynx evaporation gauge was audited by subjecting the gauge to a known volume of water corresponding to 1.00" of water. The water was introduced to the sensor at a nominal rate to preclude splashing from the evaporation pan. The responses recorded by the computer were compared to the 1.00" introduced.

2.9 Precipitation

The Campbell tipping bucket was audited by subjecting the sensor to a known volume of water corresponding to 1.00" of water. The water was introduced to the sensor at a nominal rate to preclude splashing from the tipping bucket. The responses recorded by the computer were compared to the 1.00" introduced.

3. PERFORMANCE AUDIT CRITERIA

The performance audit criteria and applicable EPA references used to evaluate the monitoring system are presented in Table 3.1. All criteria meet or exceed those required by the EPA PSD guidelines and the EPA QA Handbook referenced above.

Table 3.1 Performance Audit Criteria and EPA References

Parameter	Method	Reference	Limit(s)
1. Wind Speed	Active rotation test, starting torque.	EPA QA Handbook (2008), Section 2.7 EPA PSD Guidelines (1987), Section 6.1.1	≤ 0.25 m/s for wind speeds ≤ 5.0 m/s ≤ 5.0% for wind speeds > 5.0 m/s Starting threshold ≤ 0.5 m/s*
2. Wind Direction	Alignment verification, vane bench test, starting torque.	EPA QA Handbook (2008), Section 2.7 EPA PSD Guidelines (1987), Section 6.1.1	± 5° alignment error relative to TRUE north ± 3° sensor error Starting threshold ≤ 0.5 m/s*
3. Differential Temperature	Stable mass comparison with NIST traceable thermometer.	EPA QA Handbook (2008), Section 3.6	± 0.05 °C mean error for same bath ± 0.1 °C mean error for different baths
4. Relative Humidity	Dew point temperature comparison with an aspirated psychrometer	EPA QA Handbook (2008), Section 5.6 EPA PSD Guidelines (1987), Section 6.1.6	Relative Humidity Error ≤ 10%
5. Temperature	Stable mass comparison with NIST traceable thermometer.	EPA QA Handbook (2008), Section 3.6 EPA PSD Guidelines (1987), Section 6.1.5	± 0.5 °C mean error
6. Barometric Pressure	Single-point comparison with NIST-traceable audit barometer.	EPA QA Handbook (2008), Section 7.7	≤ 0.1 in Hg (3 mb) absolute mean error
7. Solar Radiation	Intensity comparison with a reference standard pyranometer.	EPA QA Handbook (2008), Section 6.9 ASTM E 816, E 824	± 5% error
8. Evaporation	Simulated known amounts of evaporation.	National Weather Service Observing Handbook No. 2, Section 5 (1989)	± 10% of known amount
9. Precipitation	Simulated known amounts of precipitation.	EPA QA Handbook (2008), Section 4.5	± 10% of known amount

*For each instrument, a starting torque in gm-cm, equivalent to a ≤ 0.5 m/s starting threshold, is supplied by the manufacturer.

4. AUDIT RESULTS

The results of the performance audit are presented in Appendices B-KC1 and B-KC2, and are summarized in Tables 4.1 and 4.2. All sensors were operating properly and passed the audit.

Table 4.1 KC1 (East Plant) Performance Audit Result Summary

Parameter	Performance Audit Result	Pass/Fail
Wind Speed	Starting Torque* = 0.1 gm-cm	Pass
	Mean Absolute Error:	
	0.00 m/s (at speeds ≤ 5 m/s)	Pass
	0.97 % (at speeds > 5 m/s)	Pass
Wind Direction	Starting Torque* = 3.0 gm-cm	Pass
	Mean Absolute Error:	
	Alignment = 2.1°	Pass
	Sensor = 1.40°	Pass
2-meter Temperature	Mean Absolute Error:	
	Ice Bath = 0.1 °C	Pass
	Ambient Bath = 0.2 °C	Pass
	Upscale Bath = 0.0 °C	Pass
10-meter Temperature	Mean Absolute Error:	
	Ice Bath = 0.1 °C	Pass
	Ambient Bath = 0.2 °C	Pass
	Upscale Bath = 0.0 °C	Pass
Differential Temperature	Mean Absolute Difference (Same Bath):	
	Ice Bath = 0.0 °C	Pass
	Ambient Bath = 0.0 °C	Pass
	Upscale Bath = 0.0 °C	Pass
	Mean Absolute Difference (Different Baths):	
	Absolute Difference = 0.00 °C	Pass
Relative Humidity	Mean Absolute Percent Error = 0.8 %	Pass
Ambient Temperature	Mean Absolute Error = 0.1 °C	Pass
Barometric Pressure	Mean Absolute Error = 0.03 in-Hg	Pass
Solar Radiation	Mean Absolute Percent Error = 2.32 %	Pass
Evaporation	Mean Absolute Percent Error = 7.50 %	Pass
Precipitation	Mean Absolute Percent Error = 3.00 %	Pass

*The starting torque pass/fail limits for the wind speed and wind direction sensors are equivalent to a starting threshold of ≤ 0.5 m/s.

Table 4.2 KC2 (West Plant) Performance Audit Result Summary

Parameter	Performance Audit Result	Pass/Fail
Wind Speed	Starting Torque* = 0.1 gm-cm	Pass
	Mean Absolute Error:	
	0.00 m/s (at speeds ≤ 5 m/s)	Pass
	0.87 % (at speeds > 5 m/s)	Pass
Wind Direction	Starting Torque* = 3.0 gm-cm	Pass
	Mean Absolute Error:	
	Alignment = 1.3°	Pass
	Sensor = 1.7°	Pass
2-meter Temperature	Mean Absolute Error:	
	Ice Bath = 0.0 °C	Pass
	Ambient Bath = 0.0 °C	Pass
	Upscale Bath = 0.0 °C	Pass
10-meter Temperature	Mean Absolute Error:	
	Ice Bath = 0.1 °C	Pass
	Ambient Bath = 0.0 °C	Pass
	Upscale Bath = 0.0 °C	Pass
Differential Temperature	Mean Absolute Difference (Same Bath):	
	Ice Bath = 0.0 °C	Pass
	Ambient Bath = 0.0 °C	Pass
	Upscale Bath = 0.0 °C	Pass
	Mean Absolute Difference (Different Baths):	
	Absolute Difference = 0.00 °C	Pass
Relative Humidity	Mean Absolute Percent Error = 0.6 %	Pass
Ambient Temperature	Mean Absolute Error = 0.3 °C	Pass
Barometric Pressure	Mean Absolute Error = 0.02 in-Hg	Pass
Solar Radiation	Mean Absolute Percent Error = 1.37 %	Pass
Evaporation	Mean Absolute Percent Error = 6.50 %	Pass
Precipitation	Mean Absolute Percent Error = 3.00 %	Pass

*The starting torque pass/fail limits for the wind speed and wind direction sensors are equivalent to a starting threshold of ≤ 0.5 m/s.

APPENDIX B-KC1
PERFORMANCE AUDIT RESULTS

APPLIED ENVIRONMENTAL CONSULTANTS, INC.

METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

WIND SPEED SENSOR AUDIT

PROJECT: Resolution Copper
SITE: KC1 (East Plant)
DATE: 3/16/2010

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

WIND SPEED SENSOR INFORMATION

MAKE: Met One
MODEL: 014A
SERIAL #: A6938
START TIME: 10:00
END TIME: 12:00

MULTIPLIER (rpm to m/s): 0.026662
OFFSET (rpm to m/s): 0.44704
STARTING TORQUE (gm-cm): 0.10
STARTING THRESHOLD LIMIT: 0.28 g-cm
STARTING THRESHOLD RESULTS: PASS
VISUAL CONDITION: Good

SENSOR RESPONSE TEST

Simulated Rotation (rpm)	Simulated Wind Speed (m/s)	Sensor Response (m/s)	Difference (m/s)	Percent Difference (%)*
0	0.00	0.00	0.00	NA
200	5.78	5.65	NA	-2.24
300	8.45	8.45	NA	0.05
400	11.11	11.25	NA	1.24
500	13.78	13.65	NA	-0.93
1000	27.11	27.65	NA	2.00
1500	40.44	40.45	NA	0.02
1700	45.77	45.64	NA	-0.29

AUDIT RESULTS

Mean Absolute Difference (WS ≤ 5 m/s):	0.00	PASS
Mean Absolute Percent Difference (WS > 5 m/s):	0.97	PASS

* Percent Difference is calculated as 100*(Simulated Wind Speed - Sensor Response)/Sensor Response

Comments:

APPLIED ENVIRONMENTAL CONSULTANTS, INC.

METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

WIND DIRECTION SENSOR AUDIT

PROJECT: Resolution Copper
SITE: KC1 (East Plant)
DATE: 3/16/2010

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

WIND DIRECTION SENSOR INFORMATION

MAKE: Met One
MODEL: 024A
SERIAL #: Invisible
START TIME: 10:00
END TIME: 12:00

STARTING TORQUE (gm-cm): 3.0
STARTING THRESHOLD LIMIT: 8.64 gm-cm
STARTING THRESHOLD RESULTS: PASS
VISUAL CONDITION: Good

ALIGNMENT TEST

Known Direction (Deg. TRUE)	AS FOUND Sensor Response (Degrees)	Difference (Degrees)
66.0	64.6	1.4
136.0	135.8	0.2
280.0	283.6	-3.6
338.0	341.1	-3.1

AS LEFT Sensor Response (Degrees)	Difference (Degrees)
64.8	-1.2
138.6	2.6
278.7	-1.3
337.4	-0.6

MEAN ABSOLUTE DIFFERENCE: 2.1
RESULTS (PASS/FAIL): PASS

MEAN ABSOLUTE DIFFERENCE: 1.4
RESULTS (PASS/FAIL): PASS

SENSOR RESPONSE TEST

True Direction (Degrees)	Sensor Response (Degrees)	Difference (Response - True) (Degrees)
10	9.6	-0.4
40	39.5	-0.5
70	69.6	-0.4
100	100.8	0.8
130	131.0	1.0
160	161.8	1.8
190	192.1	2.1
220	222.3	2.3
250	252.9	2.9
280	280.8	0.8
310	311.7	1.7
340	342.2	2.2

AUDIT RESULTS

Mean Absolute Difference: 1.4 PASS

APPLIED ENVIRONMENTAL CONSULTANTS, INC.

METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

DELTA-T SENSOR AUDIT

PROJECT: Resolution Copper
SITE: KC1 (East Plant)
DATE: 3/16/10

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

TEMPERATURE SENSOR INFORMATION
10-meter Height
MAKE: RM Young
MODEL: 43347-L
SERIAL #: 15048
START TIME: 11:20
END TIME: 13:00

REFERENCE THERMOMETER INFORMATION
MAKE: Fisher Scientific
MODEL: 15-077-8
SERIAL #: 21069755
LAST CALIBRATION DATE: 08/24/09

2-meter Height
MAKE: RM Young
MODEL: 43347-L
SERIAL #: 15044
START TIME: 11:20
END TIME: 13:00

MAKE: Fisher Scientific
MODEL: 15-077-8
SERIAL #: 80438125
LAST CALIBRATION DATE: 07/30/08

TEST 1: BOTH PROBES IN SAME BATH

COLD TEMPERATURE BATH TEST

Reference Sensor (°C)	10 m Field Sensor (°C)	2 m Field Sensor (°C)	Absolute Difference (10 m - Ref) (°C)	Absolute Difference (2 m - Ref) (°C)	Absolute Difference (10 m - 2 m) (°C)
0.1	0.1	0.1	0.0	0.0	0.0
0.0	0.1	0.1	0.1	0.1	0.0
0.1	0.1	0.1	0.0	0.0	0.0
0.0	0.1	0.1	0.1	0.1	0.0
0.0	0.1	0.1	0.1	0.1	0.0

AUDIT RESULTS

	10 m - Ref	2 m - Ref	10 m - 2 m
Mean Absolute Difference	0.1	0.1	0.0
	PASS	PASS	PASS

AMBIENT TEMPERATURE BATH TEST

Reference Sensor (°C)	10 m Field Sensor (°C)	2 m Field Sensor (°C)	Absolute Difference (10 m - Ref) (°C)	Absolute Difference (2 m - Ref) (°C)	Absolute Difference (10 m - 2 m) (°C)
13.2	13.3	13.3	0.1	0.1	0.0
13.1	13.3	13.3	0.2	0.2	0.0
13.1	13.3	13.3	0.2	0.2	0.0
13.1	13.3	13.4	0.2	0.3	0.1
13.2	13.3	13.3	0.1	0.1	0.0

AUDIT RESULTS

	10 m - Ref	2 m - Ref	10 m - 2 m
Mean Absolute Difference	0.2	0.2	0.0
	PASS	PASS	PASS

HOT TEMPERATURE BATH TEST

Reference Sensor (°C)	10 m Field Sensor (°C)	2 m Field Sensor (°C)	Absolute Difference (10 m - Ref) (°C)	Absolute Difference (2 m - Ref) (°C)	Absolute Difference (10 m - 2 m) (°C)
36.2	36.2	36.2	0.0	0.0	0.0
36.1	36.2	36.2	0.1	0.1	0.0
36.2	36.2	36.2	0.0	0.0	0.0
36.2	36.2	36.3	0.0	0.1	0.1
36.2	36.2	36.2	0.0	0.0	0.0

AUDIT RESULTS

	10 m - Ref	2 m - Ref	10 m - 2 m
Mean Absolute Difference	0.0	0.0	0.0
	PASS	PASS	PASS

APPLIED ENVIRONMENTAL CONSULTANTS, INC.

METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

DELTA-T SENSOR AUDIT

PROJECT: Resolution Copper
SITE: KC1 (East Plant)
DATE: 3/16/10

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

TEMPERATURE SENSOR INFORMATION
10-meter Height
MAKE: RM Young
MODEL: 43347-L
SERIAL #: 15048
START TIME: 11:20
END TIME: 13:00

REFERENCE THERMOMETER INFORMATION
MAKE: Fisher Scientific
MODEL: 15-077-8
SERIAL #: 21069755
LAST CALIBRATION DATE: 08/24/09

2-meter Height
MAKE: RM Young
MODEL: 43347-L
SERIAL #: 15044
START TIME: 11:20
END TIME: 13:00

MAKE: Fisher Scientific
MODEL: 15-077-8
SERIAL #: 80438125
LAST CALIBRATION DATE: 07/30/08

TEST 2: PROBES IN DIFFERENT BATHS

AMBIENT AND COLD TEMPERATURE BATHS - FIRST READING

Reference Sensor Ambient (°C)	10 m Field Sensor Ambient (°C)	Reference Sensor Cold (°C)	2 m Field Sensor Cold (°C)	Absolute Difference (Ambient -Cold Ref. Sensor)	Absolute Difference (10 m - 2 m) (°C)
13.2	13.1	0.0	0.1	13.2	13.1
13.2	13.2	0.0	0.1	13.2	13.1
13.2	13.2	0.0	0.1	13.2	13.1
13.2	13.2	0.0	0.0	13.2	13.2
13.2	13.2	0.0	0.0	13.2	13.2

AMBIENT AND COLD TEMPERATURE BATHS - SECOND READING

Reference Sensor Ambient (°C)	2 m Field Sensor Ambient (°C)	Reference Sensor Cold (°C)	10 m Field Sensor Cold (°C)	Absolute Difference (Ambient -Cold Ref. Sensor)	Absolute Difference (10 m - 2 m) (°C)
13.2	13.2	0.0	0.1	13.2	13.1
13.2	13.2	0.0	0.0	13.2	13.2
13.2	13.2	0.0	0.0	13.2	13.2
13.2	13.2	0.0	0.0	13.2	13.2
13.2	13.2	0.0	0.0	13.2	13.2

AUDIT RESULTS

	10 m Ambient - 2 m Cold	10 m Cold - 2 m Ambient	Adjustment for Bath Temp Differences *	Absolute Difference **
Mean Absolute Difference	13.1	13.2	0.0	0.00
				PASS

* Represents change in bath temperatures between first reading and second reading based on average reference sensor differences in first reading minus average reference sensor differences in second reading.

** Adjusted for temperature variations that occurred in baths between first and second readings.

APPLIED ENVIRONMENTAL CONSULTANTS, INC.

METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

TEMPERATURE SENSOR AUDIT

PROJECT: Resolution Copper
SITE: KC1 (East Plant)
DATE: 3/16/10

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

TEMPERATURE SENSOR INFORMATION

MAKE: Campbell Scientific
MODEL: HMP50-L
SERIAL #: D2230029
START TIME: 11:00
END TIME: 11:45

REFERENCE THERMOMETER INFORMATION

MAKE: Fisher Scientific
MODEL: 15-077-B
SERIAL #: 21069755
LAST CALIBRATION DATE: 08/24/09

AMBIENT TEMPERATURE BATH TEST

Reference Sensor (°C)	Field Sensor (°C)	Difference (Field - Ref) (°C)
15.3	15.0	-0.3
15.0	15.0	0.0
15.0	15.0	0.0
15.0	15.0	0.0
15.0	15.0	0.0

AUDIT RESULTS

Mean Absolute Difference: 0.1

PASS

APPLIED ENVIRONMENTAL CONSULTANTS, INC.

METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

RELATIVE HUMIDITY SENSOR AUDIT

PROJECT: Resolution Copper
SITE: KC1 (East Plant)
DATE: 3/16/10

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

RELATIVE HUMIDITY SENSOR INFORMATION

MAKE: Campbell Scientific
MODEL: HMP50-L
SERIAL #: D2230029
START TIME: 11:00
END TIME: 12:15

REFERENCE SENSOR INFORMATION

MAKE: Extech Instruments
MODEL: RH390
SERIAL #: H075361
LAST CALIBRATION DATE: 7/22/2009

RELATIVE HUMIDITY

Point Number	Reference Sensor Relative Humidity (%)	Field Sensor Relative Humidity (%)	Percent Difference (%)
1	27.7	28.7	1.0
2	27.8	28.8	1.0
3	27.5	28.7	1.2
4	28.7	28.3	0.4
5	28.6	28.3	0.3

AUDIT RESULTS

Mean Difference: 0.8 PASS

APPLIED ENVIRONMENTAL CONSULTANTS, INC.

METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

BAROMETRIC PRESSURE SENSOR AUDIT

PROJECT: Resolution Copper
SITE: KC1 (East Plant)
DATE: 3/16/10
START TIME: 10:55
END TIME: 11:25

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

BAROMETRIC PRESSURE SENSOR
MAKE: Campbell Scientific
MODEL: CS100
SERIAL #: 3629398

REFERENCE SENSOR
MAKE: Druck
MODEL: DPI 705
SERIAL #: 70510462
LAST CALIBRATION DATE: 06/03/09

Druck Pressure (in Hg)	Sensor Pressure (in Hg)	Difference Sensor-Ultimeter (in Hg)	Absolute Difference Sensor-Ultimeter (in Hg)
26.09	26.05	-0.04	0.04
26.07	26.05	-0.02	0.02
26.08	26.05	-0.03	0.03
26.08	26.05	-0.03	0.03
26.08	26.05	-0.03	0.03

Mean Absolute Difference: 0.03
Results (Pass/Fail): PASS

APPLIED ENVIRONMENTAL CONSULTANTS, INC.

METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

SOLAR RADIATION SENSOR AUDIT

PROJECT: Resolution Copper
SITE: KC1 (East Plant)
DATE: 3/16/10
START TIME: 9:00
END TIME: 14:00

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

SOLAR RADIATION SENSOR
MAKE: LI-COR
MODEL: LI200X
SERIAL #: Invisible

REFERENCE SENSOR
MAKE: SOL-A-METER
MODEL: Mk 1-G
SERIAL #: 4795
LAST CALIBRATION DATE: 08/15/09

Time (Hourly Ending)	Sol-A-Meter Sensor (W/m2)	Field Sensor (W/m2)	Difference (W/m2)	Absolute Difference (W/m2)	Difference (%)
10	532.2	546.1	13.90	13.90	2.61%
11	694.8	698.4	3.60	3.60	0.52%
12	746.0	770.1	24.10	24.10	3.23%
13	852.0	828.0	-24.00	24.00	2.82%
14	821.0	801.0	-20.00	20.00	2.44%

Mean Absolute Difference: 2.32%
Results (Pass/Fail): PASS

APPLIED ENVIRONMENTAL CONSULTANTS, INC.
METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

EVAPORATION GAUGE AUDIT

PROJECT: Resolution Copper
SITE: KC1 (East Plant)
DATE: 3/16/2010

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

SENSOR INFORMATION

MAKE: Novalynx
MODEL: 255-100
SERIAL #: 526
START TIME: 11:00
END TIME: 13:00

SENSOR CONDITION: Good

EVAPORATION GAUGE VOLUME TEST					
Water Application Sequence	Volume of Water (l)	Equivalent Measurement (in)	Count Recorder (in)	Difference (in)	Difference (%)
1	30.00	-1	-0.90	0.10	10.00%
2	30.00	-1	-1.05	0.05	5.00%
			Mean Difference:	0.08	7.50%
					PASS

APPLIED ENVIRONMENTAL CONSULTANTS, INC.
METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

PRECIPITATION GAUGE AUDIT

PROJECT: Resolution Copper
SITE: KC1 (East Plant)
DATE: 3/16/2010

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

SENSOR INFORMATION

MAKE: Met One
MODEL: 970
SERIAL #: Invisible
START TIME: 11:00
END TIME: 13:00

SENSOR CONDITION: Good

PRECIPITATION SENSOR VOLUME TEST					
Water Application Sequence	Volume of Water (l)	Equivalent Measurement (in)	Count Recorder (in)	Difference (in)	Difference (%)
1	0.946	1.00	1.03	0.03	3.00%
2	0.946	1.00	1.03	0.03	3.00%
				Mean Difference:	3.00%
					PASS

APPENDIX B-KC2
PERFORMANCE AUDIT RESULTS

APPLIED ENVIRONMENTAL CONSULTANTS, INC.

METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

WIND SPEED SENSOR AUDIT

PROJECT: Resolution Copper
SITE: KC2 (West Plant)
DATE: 3/15/2010

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

WIND SPEED SENSOR INFORMATION

MAKE: Met One
MODEL: 014A
SERIAL #: Invisible
START TIME: 12:00
END TIME: 14:00

MULTIPLIER (rpm to m/s): 0.026662
OFFSET (rpm to m/s): 0.44704
STARTING TORQUE (gm-cm): 0.10
STARTING THRESHOLD LIMIT: 0.28 g-cm
STARTING THRESHOLD RESULTS: PASS
VISUAL CONDITION: Good

SENSOR RESPONSE TEST

Simulated Rotation (rpm)	Simulated Wind Speed (m/s)	Sensor Response (m/s)	Difference (m/s)	Percent Difference (%)*
0	0.00	0.00	0.00	NA
200	5.78	5.70	NA	-1.37
300	8.45	8.44	NA	-0.07
400	11.11	11.24	NA	1.15
500	13.78	13.64	NA	-1.00
1000	27.11	27.64	NA	1.96
1500	40.44	40.45	NA	0.02
1700	45.77	46.00	NA	0.50

AUDIT RESULTS

Mean Absolute Difference (WS $\leq$ 5 m/s):	0.00	PASS
Mean Absolute Percent Difference (WS > 5 m/s):	0.87	PASS

* Percent Difference is calculated as 100*(Simulated Wind Speed - Sensor Response)/Sensor Response

Comments:

APPLIED ENVIRONMENTAL CONSULTANTS, INC.

METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

WIND DIRECTION SENSOR AUDIT

PROJECT: Resolution Copper
SITE: KC2 (West Plant)
DATE: 3/15/2010

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

WIND DIRECTION SENSOR INFORMATION

MAKE: Met One
MODEL: 024A
SERIAL #: Invisible
START TIME: 12:00
END TIME: 14:00

STARTING TORQUE (gm-cm): 3.0
STARTING THRESHOLD LIMIT: 8.64 gm-cm
STARTING THRESHOLD RESULTS: PASS
VISUAL CONDITION: Good

ALIGNMENT TEST

Known Direction (Deg. TRUE)	AS FOUND Sensor Response (Degrees)	Difference (Degrees)
31.0	34.0	-3
205.0	205.7	-0.7
239.0	239.5	-0.5
329.0	328.1	0.9

MEAN ABSOLUTE DIFFERENCE: 1.3
RESULTS (PASS/FAIL): PASS

AS LEFT Sensor Response (Degrees)	Difference (Degrees)
30.6	-0.4
204.7	-0.3
239.3	0.3
331.1	2.1

MEAN ABSOLUTE DIFFERENCE: 0.8
RESULTS (PASS/FAIL): PASS

SENSOR RESPONSE TEST

True Direction (Degrees)	Sensor Response (Degrees)	Difference (Response - True) (Degrees)
10	11.2	1.2
40	41.1	1.1
70	71.9	1.9
100	101.3	1.3
130	131.7	1.7
160	161.8	1.8
190	192.0	2.0
220	222.1	2.1
250	251.4	1.4
280	281.7	1.7
310	312.5	2.5
340	341.3	1.3

AUDIT RESULTS

Mean Absolute Difference: 1.7 PASS

APPLIED ENVIRONMENTAL CONSULTANTS, INC.

METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

DELTA-T SENSOR AUDIT

PROJECT: Resolution Copper
SITE: KC2 (West Plant)
DATE: 3/15/10

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

TEMPERATURE SENSOR INFORMATION
10-meter Height
MAKE: RM Young
MODEL: 43347-L
SERIAL #: 15047
START TIME: 11:30
END TIME: 14:00

REFERENCE THERMOMETER INFORMATION
MAKE: Fisher Scientific
MODEL: 15-077-8
SERIAL #: 21069755
LAST CALIBRATION DATE: 08/24/09

2-meter Height
MAKE: RM Young
MODEL: 43347-L
SERIAL #: 15046
START TIME: 11:30
END TIME: 14:00

MAKE: Fisher Scientific
MODEL: 15-077-8
SERIAL #: 80438125
LAST CALIBRATION DATE: 07/30/08

TEST 1: BOTH PROBES IN SAME BATH

COLD TEMPERATURE BATH TEST

Reference Sensor (°C)	10 m Field Sensor (°C)	2 m Field Sensor (°C)	Absolute Difference (10 m - Ref) (°C)	Absolute Difference (2 m - Ref) (°C)	Absolute Difference (10 m - 2 m) (°C)
0.1	0.1	0.2	0.0	0.0	0.0
0.2	0.3	0.3	0.1	0.1	0.0
0.2	0.3	0.3	0.1	0.1	0.0
0.2	0.3	0.2	0.1	0.0	0.1
0.2	0.3	0.2	0.1	0.0	0.1

AUDIT RESULTS

	10 m - Ref	2 m - Ref	10 m - 2 m
Mean Absolute Difference	0.1	0.0	0.0
	PASS	PASS	PASS

AMBIENT TEMPERATURE BATH TEST

Reference Sensor (°C)	10 m Field Sensor (°C)	2 m Field Sensor (°C)	Absolute Difference (10 m - Ref) (°C)	Absolute Difference (2 m - Ref) (°C)	Absolute Difference (10 m - 2 m) (°C)
24.0	24.0	24.0	0.0	0.0	0.0
24.0	24.0	24.0	0.0	0.0	0.0
24.0	24.0	24.0	0.0	0.0	0.0
24.0	24.0	24.0	0.0	0.0	0.0
24.0	24.0	24.0	0.0	0.0	0.0

AUDIT RESULTS

	10 m - Ref	2 m - Ref	10 m - 2 m
Mean Absolute Difference	0.0	0.0	0.0
	PASS	PASS	PASS

HOT TEMPERATURE BATH TEST

Reference Sensor (°C)	10 m Field Sensor (°C)	2 m Field Sensor (°C)	Absolute Difference (10 m - Ref) (°C)	Absolute Difference (2 m - Ref) (°C)	Absolute Difference (10 m - 2 m) (°C)
40.1	40.1	40.1	0.0	0.0	0.0
40.2	40.2	40.2	0.0	0.0	0.0
40.2	40.2	40.2	0.0	0.0	0.0
40.2	40.2	40.2	0.0	0.0	0.0
40.1	40.1	40.1	0.0	0.0	0.0

AUDIT RESULTS

	10 m - Ref	2 m - Ref	10 m - 2 m
Mean Absolute Difference	0.0	0.0	0.0
	PASS	PASS	PASS

APPLIED ENVIRONMENTAL CONSULTANTS, INC.

METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

DELTA-T SENSOR AUDIT

PROJECT: Resolution Copper
SITE: KC2 (West Plant)
DATE: 3/15/10

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

TEMPERATURE SENSOR INFORMATION

10-meter Height

MAKE: RM Young
MODEL: 43347-L
SERIAL #: 15047
START TIME: 11:30
END TIME: 14:00

REFERENCE THERMOMETER INFORMATION

MAKE: Fisher Scientific
MODEL: 15-077-8
SERIAL #: 21069755
LAST CALIBRATION DATE: 08/24/09

2-meter Height

MAKE: RM Young
MODEL: 43347-L
SERIAL #: 15046
START TIME: 11:30
END TIME: 14:00

MAKE: Fisher Scientific
MODEL: 15-077-8
SERIAL #: 80438125
LAST CALIBRATION DATE: 07/30/08

TEST 2: PROBES IN DIFFERENT BATHS

AMBIENT AND COLD TEMPERATURE BATHS - FIRST READING

Reference Sensor Ambient (°C)	10 m Field Sensor Ambient (°C)	Reference Sensor Cold (°C)	2 m Field Sensor Cold (°C)	Absolute Difference (Ambient -Cold Ref. Sensor)	Absolute Difference (10 m - 2 m) (°C)
23.8	23.8	0.2	0.2	23.6	23.6
23.8	23.8	0.2	0.2	23.6	23.6
23.8	23.8	0.2	0.2	23.6	23.6
23.8	23.8	0.2	0.2	23.6	23.6
23.8	23.8	0.2	0.2	23.6	23.6

AMBIENT AND COLD TEMPERATURE BATHS - SECOND READING

Reference Sensor Ambient (°C)	2 m Field Sensor Ambient (°C)	Reference Sensor Cold (°C)	10 m Field Sensor Cold (°C)	Absolute Difference (Ambient -Cold Ref. Sensor)	Absolute Difference (10 m - 2 m) (°C)
23.7	23.6	0.3	0.3	23.4	23.3
23.7	23.7	0.3	0.3	23.4	23.4
23.7	23.7	0.4	0.4	23.3	23.3
23.7	23.7	0.3	0.3	23.4	23.4
23.7	23.7	0.3	0.3	23.4	23.4

AUDIT RESULTS

	10 m Ambient - 2 m Cold	10 m Cold - 2 m Ambient	Adjustment for Bath Temp Differences *	Absolute Difference **
Mean Absolute Difference	23.6	23.4	0.2	0.00
				PASS

* Represents change in bath temperatures between first reading and second reading based on average reference sensor differences in first reading minus average reference sensor differences in second reading.

** Adjusted for temperature variations that occurred in baths between first and second readings.

APPLIED ENVIRONMENTAL CONSULTANTS, INC.

METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

TEMPERATURE SENSOR AUDIT

PROJECT: Resolution Copper
SITE: KC2 (West Plant)
DATE: 3/15/10

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

TEMPERATURE SENSOR INFORMATION

MAKE: Campbell Scientific
MODEL: HMP50-L
SERIAL #: D2230030
START TIME: 12:00
END TIME: 12:30

REFERENCE THERMOMETER INFORMATION

MAKE: Fisher Scientific
MODEL: 15-077-B
SERIAL #: 21069755
LAST CALIBRATION DATE: 08/24/09

AMBIENT TEMPERATURE BATH TEST

Reference Sensor (°C)	Field Sensor (°C)	Difference (Field - Ref) (°C)
19.6	19.9	0.3
19.6	19.9	0.3
19.6	19.9	0.3
19.5	19.8	0.3
19.5	19.7	0.2

AUDIT RESULTS

Mean Absolute Difference: 0.3

PASS

APPLIED ENVIRONMENTAL CONSULTANTS, INC.

METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

RELATIVE HUMIDITY SENSOR AUDIT

PROJECT: Resolution Copper
SITE: KC2 (West Plant)
DATE: 3/15/10

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

RELATIVE HUMIDITY SENSOR INFORMATION

MAKE: Campbell Scientific
MODEL: HMP50-L
SERIAL #: D2230030
START TIME: 12:00
END TIME: 12:45

REFERENCE SENSOR INFORMATION

MAKE: Extech Instruments
MODEL: RH390
SERIAL #: H075361
LAST CALIBRATION DATE: 7/22/2009

RELATIVE HUMIDITY

Point Number	Reference Sensor Relative Humidity (%)	Field Sensor Relative Humidity (%)	Percent Difference (%)
1	20.0	20.6	0.6
2	20.7	21.8	1.1
3	21.2	22.2	1.0
4	20.9	20.9	0.0
5	20.4	20.6	0.2

AUDIT RESULTS

Mean Difference: 0.6 PASS

APPLIED ENVIRONMENTAL CONSULTANTS, INC.

METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

BAROMETRIC PRESSURE SENSOR AUDIT

PROJECT: Resolution Copper
SITE: KC2 (West Plant)
DATE: 3/15/10
START TIME: 12:30
END TIME: 13:15

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

BAROMETRIC PRESSURE SENSOR
MAKE: Campbell Scientific
MODEL: CS100
SERIAL #: 3629397

REFERENCE SENSOR
MAKE: Druck
MODEL: DPI 705
SERIAL #: 70510462
LAST CALIBRATION DATE: 06/03/09

Druck Pressure (in Hg)	Sensor Pressure (in Hg)	Difference Sensor-Ultimeter (in Hg)	Absolute Difference Sensor-Ultimeter (in Hg)
27.16	27.15	-0.01	0.01
27.17	27.15	-0.02	0.02
27.17	27.15	-0.02	0.02
27.17	27.15	-0.02	0.02
27.18	27.15	-0.03	0.03

Mean Absolute Difference: 0.02
Results (Pass/Fail): PASS

APPLIED ENVIRONMENTAL CONSULTANTS, INC.

METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

SOLAR RADIATION SENSOR AUDIT

PROJECT: Resolution Copper
SITE: KC2 (West Plant)
DATE: 3/15/10
START TIME: 10:00
END TIME: 15:00

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

SOLAR RADIATION SENSOR
MAKE: LI-COR
MODEL: LI200X
SERIAL #: Invisible

REFERENCE SENSOR
MAKE: SOL-A-METER
MODEL: Mk 1-G
SERIAL #: 4795
LAST CALIBRATION DATE: 08/15/09

Time (Hourly Ending)	Sol-A-Meter Sensor (W/m2)	Field Sensor (W/m2)	Difference (W/m2)	Absolute Difference (W/m2)	Difference (%)
11	782.0	764.4	-17.60	17.60	2.25%
12	821.0	810.0	-11.00	11.00	1.34%
13	856.0	848.0	-8.00	8.00	0.93%
14	828.0	829.0	1.00	1.00	0.12%
15	729.0	745.1	16.10	16.10	2.21%

Mean Absolute Difference: 1.37%
Results (Pass/Fail): PASS

APPLIED ENVIRONMENTAL CONSULTANTS, INC.
METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

EVAPORATION GAUGE AUDIT

PROJECT: Resolution Copper
SITE: KC2 (West Plant)
DATE: 3/15/10

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

SENSOR INFORMATION

MAKE: Novalynx
MODEL: 255-100
SERIAL #: 527
START TIME: 11:00
END TIME: 13:00

SENSOR CONDITION: Good

EVAPORATION GAUGE VOLUME TEST					
Water Application Sequence	Volume of Water (l)	Equivalent Measurement (in)	Count Recorder (in)	Difference (in)	Difference (%)
1	30.00	-1	-0.94	0.06	6.00%
2	30.00	-1	-0.93	0.07	7.00%
			Mean Difference:	0.07	6.50%
					PASS

APPLIED ENVIRONMENTAL CONSULTANTS, INC.
METEOROLOGICAL AUDIT MEASUREMENTS AND RESULTS

PRECIPITATION GAUGE AUDIT

PROJECT: Resolution Copper
SITE: KC2 (West Plant)
DATE: 3/15/10

AUDITOR: T. Chindavijak
OPERATOR: M. Yrizarry

SENSOR INFORMATION

MAKE: Met One
MODEL: 970
SERIAL #: 860-B
START TIME: 11:00
END TIME: 13:00

SENSOR CONDITION: Good

PRECIPITATION SENSOR VOLUME TEST					
Water Application Sequence	Volume of Water (l)	Equivalent Measurement (in)	Count Recorder (in)	Difference (in)	Difference (%)
1	0.946	1.00	1.02	0.02	2.00%
2	0.946	1.00	1.04	0.04	4.00%
				Mean Difference:	3.00%
					PASS

APPENDIX B-EQUIP
AUDIT EQUIPMENT CALIBRATION INFORMATION

CERTIFICATE OF ACCURACY

REPORT # [illegible] CUSTOMER [illegible] SALES ORDER 37063

This is to certify that Data Instruments/Waters Torque Watch Gauge, SN [illegible] has been inspected to ± 10 % of full scale reading and found accurate.

The weight standards used for this calibration are traceable to NIST Report # 42587.

Test Equipment # [illegible] Accuracy of Standard ±1% Calibration Procedure A-[illegible]89 Rev. C

TORQUE WATCH GAUGE CALIBRATION CHART
DATA INSTRUMENTS/WATERS
100 DISCOVERY WAY
ACTON, MA 01720

MODEL 31/2 - 3M SERIAL NUMBER H9NL P.O. # 708-15

CALIBRATED BY [illegible] DATE 2/20/97 APPROVED [illegible]

TEMPERATURE 74 °F RELATIVE HUMIDITY % 21

CALIBRATION POINT IN Oz. In.	ACTUAL WATCH READING	
0	CW	CCW
See Attached Data		

TORQUE WATCH GAUGE WARRANTY

Each Torque Watch Gauge is designed, manufactured and scientifically tested in accordance with the highest standards of good engineering practice and is warranted by the manufacturer to be free of original defects of design, material, and workmanship. It is further warranted that, at the time of manufacture and test, each Torque Watch Gauge was within a specified accuracy tolerance. The liability of the manufacturer is limited to repairing or replacing, at its option, any defective Torque Watch Gauge, or part thereof, that is returned to the manufacturer's plant, transportation charges prepaid, within a period of ninety days from the date of original shipment.

The manufacturer maintains an adequate service facility to handle normal repairs and recalibration of Torque Watch Gauges. Routine repair and recalibration service, subsequent to the expiration of the warranty period, is handled on a flat rate basis per Gauge for Gauges that have not been damaged or abused through negligence and/or altered or repaired outside the manufacturer's plant.

LOW RANGE TORQUE WATCH DIAL SETTINGS vs. OUTPUT OF LOW RANGE STANDARD

MODEL: 166-3M SERIAL NUMBER: 4944 Units = gm cm Accuracy = 10 % FS

Set Dial To	Low Limit	CW Rdg	CCW Rdg	High Limit
0.0	-.01	0.00	0.00	.01
.2	0.00	.18	.08	.40
.4	.20	.35	.32	.60
.6	.40	.54	.54	.80
.8	.60	.74	.72	1.00
1.0	.80	.95	.92	1.20
1.2	1.00	1.19	1.13	1.40
1.4	1.20	1.41	1.32	1.60
1.6	1.40	1.60	1.54	1.80
1.8	1.60	1.80	1.73	2.00
2.0	1.80	1.99	2.01	2.20

Max pos error (% FS) = .5 % at 1.400
Max neg error (% FS) = -5.8 % at .200

Torque Watch is a: PASS

Meteorological Instruments

Certificate of Calibration and Testing

Test Unit:		
Model:	18802	Serial Number: CA02198
Description:	Anemometer Drive - 200 to 15,000 Rpm	
	- Comprised of Models 18820A Control Unit & 18830A Motor Assembly	

R.M. Young Company certifies that the above equipment has been inspected and calibrated using standards whose accuracies are traceable to the National Institute of Standards and Technologies (NIST).

Nominal Motor Rpm	27106D Output Frequency Hz (1)	Calculated Rpm (2)	Indicated Rpm (3)
300	50	300	300
2700	450	2700	2700
5100	850	5100	5100
7500	1250	7500	7500
10,200	1700	10200	10200
12,600	2100	12600	12600
15,000	2500	15000	15000
☒ Clockwise and Counterclockwise rotation verified			

(1) Measured frequency output of RM Young Model 27106D standard anemometer attached to motor shaft

(2) 27106D produces 10 pulses per revolution of the anemometer shaft

(3) Indicated on the Control Unit LCD display

*Indicates out of tolerance

Traceable frequency meter used in calibration BK1823

Date of inspection 2/7/01

Tested By

R.M. YOUNG COMPANY 2801 Aero Park Drive, Traverse City, Michigan 49686 USA
Tel: 231-946-3980 Fax: 231-946-4772 Email: met-sales@youngusa.com

MILLER & WEBER, INC.
Precision Thermometers
1637 George Street
Ridgewood, NY 11385-5342
(718) 821-7110

MANUFACTURERS CERTIFICATE OF CALIBRATION

This is to certify that the thermometer listed below has been tested in our most modern calibration laboratory against a *National Institute of Standards and Technology certified master standard. All temperatures in this report are based on the International Temperature Scale of 1990 (ITS-90).

Thermometer Description: ASTM 63F 18/89F. ;2 Degree F

Thermometer Serial No.: 1F9975

READING OF THERMOMETER	STANDARD TEMPERATURE	CORRECTION
20.02	20.00	-0.02
32.00	32.00	0.00
50.00	50.00	0.00
70.00	70.00	0.00
87.98	88.00	0.02

Estimated uncertainties in the above corrections do not exceed 0.05 degree up to 89 degrees F.

If no sign is given on the correction, the true temperature is higher than the indicated temperature. If the sign given is negative, the true temperature is lower than the indicated temperature.

The tabulated corrections apply provided the ice-point reading, taken after exposure for not fewer than three days to a temperature of about 23 degrees C (73 degrees F), is as shown above. If the ice-point reading is found to be higher (or lower) than stated, all other readings will be higher (or lower) by the same amount. If the thermometer is used at a given temperature shortly after being heated to a higher temperature, an error of 0.01 degree or less for each 10 degree difference between the two temperatures may be introduced. These corrections apply if the thermometer is used in its upright position.

NIST Serial No.: 442140 Date Certified: MAY 14, 1991

NIST Report No.: 209621 Certified By: CHARLES J. MILLER

Standard No.: 409815 Approved By: Diane M. Emsley

*(Formerly National Bureau of Standards)

PURCHASED FROM VICTORIA FILTERS

THERMOMETER CALIBRATION LOG

Date: 8/24/2009
Thermometer: Fisher Scientific 21069755
Standard Thermometer: Miller & Weber 1F9975 NIST Traceable (T_S)

T_S (°F)	T_S (°C)	T_X (°C)	T_X-T_S (°C)
32.1	0.1	0.1	0.0
82.3	28.0	28.0	0.0
105.7	41.0	41.1	0.1
Mean Difference			0.1

Regression Equation (°C): $T_X = a+b\ (T_S)$

Intercept (a):	0.03119
Slope (b):	1.00155
Correlation Coefficient:	1.00000

Calibration complies with ISO 9001 ISO/IEC 17025 AND ANSI/NCSL Z540-1

ACCREDITED
Calibration
Certificate No. 1750.01

Cert. No.: 4000-2772185

Traceable® Certificate of Calibration for Digital Thermometer

Manufactured for and distributed by: Fisher Scientific, P.O. Box 1768, Pittsburgh, PA 15230

Instrument Identification:

Applied Environmental, 1553 W. Elna Rae, Attn: Mike Sonenberg, Tempe, AZ 85281 U.S.A. (RMA:953882)

ID: 4792 Model: 15-077-8 S/N: 61554792 Manufacturer : Control Company

Model: 15-077-7 S/N: 61554792

Standards/Equipment:

Description	Serial Number	Due Date	NIST Traceable Reference
Temperature Calibration Bath TC179	A45240		
Thermistor Module	A17118	11/19/10	A9B21010
Temperature Probe	128	12/10/10	A9B23079
Temperature Probe	3039	12/10/10	A9B23080-1
Thermistor Module	A27129	7/09/10	1000264338
Temperature Probe	157	7/27/10	A9708011-4
Digital Thermometer	20267165/21030926	9/11/10	4000-2460829

Certificate Information:

Technician: 68 Procedure: CAL-06 Cal Date: 2/27/10 **Cal Due: 2/27/11**

Test Conditions: 20.4°C 34.0 %RH 1021 mBar

Calibration Data:

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±uc	TUR
°C	0.001	0.143	N	0.001	-0.001	Y	-0.049	0.051	0.013	3.8:1
°C	25.001	25.050	Y	25.001	25.000	Y	24.951	25.051	0.013	3.8:1
°C	60.001	59.922	N	60.001	60.002	Y	59.951	60.051	0.018	2.8:1
°C	100.001	99.842	N	100.001	100.006	Y	99.951	100.051	0.013	3.8:1

This Instrument was calibrated using Instruments Traceable to National Institute of Standards and Technology.

A Test Uncertainty Ratio of at least 4:1 is maintained unless otherwise stated and is calculated using the expanded measurement uncertainty. Uncertainty evaluation includes the instrument under test and is calculated in accordance with the ISO "Guide to the Expression of Uncertainty in Measurement" (GUM). The uncertainty represents an expanded uncertainty using a coverage factor k=2 to approximate a 95% confidence level. In tolerance conditions are based on test results falling within specified limits with no reduction by the uncertainty of the measurement. The results contained herein relate only to the item calibrated. This certificate shall not be reproduced except in full, without written approval of Control Company.

Nominal=Standard's Reading; As Left=Instrument's Reading; In Tol=In Tolerance; Min/Max=Acceptance Range; ±uc=Expanded Measurement Uncertainty; TUR=Test Uncertainty Ratio; Accuracy=±(Max-Min)/2; Min = Nominal(Rounded) - Tolerance; Max = Nominal(Rounded) + Tolerance; Date=MM/DD/YY

Nicol Rodriguez, Quality Manager

Wallace Berry, Technical Manager

Maintaining Accuracy:

In our opinion once calibrated your Digital Thermometer should maintain its accuracy. There is no exact way to determine how long calibration will be maintained. Digital Thermometers change little, if any at all, but can be affected by aging, temperature, shock, and contamination.

Recalibration:

For factory calibration and re-certification traceable to National Institute of Standards and Technology contact Control Company.

CONTROL COMPANY 4455 Rex Road Friendswood, TX 77546 USA
Phone 281 482-1714 Fax 281 482-9448 service@control3.com www.control3.com

Extech Instruments Corporation • 285 Bear Hill Road • Waltham, MA 02451-1064

Certificate of Calibration

Certificate Number: 25359
Document Number: 19252

Customer Details:

Customer Name: APPLIED ENVIRONMENTAL CONSULTANTS

Instrument Details:

Manufacturer:	EXTECH INSTRUMENTS	**Calibration Date:**	July 22, 2009
Description:	DIGITAL PSYCHROMETER	**Calibration Due:**	July 22, 2010
Model Number:	RH390	**Cal. Interval:**	12 MONTHS
Serial Number:	H075361	**As Received:**	IN TOLERANCE
Equip. ID Number:	AEC#266		

Environmental Details:

Temperature: 21 Deg. +/- 5 C **Relative Humidity:** 40 %+/- 15 %

Procedures Used:

Calibration Procedure: EICMRH390-CP

Certification

Extech Instruments certifies that the instrument listed above meets the specifications of the manufacturer at the completion of its calibration. Standards used are traceable to the National Institute of Standards and Technology (NIST), or have been derived from accepted values, natural physical constants, or through the use of the ratio method of self-calibration techniques. Methods used are in accordance with ISO 10012-1 and ANSI/NCSL Z540-1-1994. This certificate is not to be reproduced other than in full, except with prior written approval of Extech Instruments Corporation. All the calibration standards used have an accuracy ratio of 4:1 or better, unless otherwise stated.

Technicians Notes:

Technician: DOLORES MURPHY

Approved By:

Phone: 781.890.7440 ext 210 • Fax: 781.890.3957 • E-mail: repair@extech.com • www.extech.com

CALIBRATION CERTIFICATE
PRESSURE RANGE

AS FOUND / AS LEFT DATA

UNIT UNDER TEST (UUT)

Manufacturer	: Druck
Type Number	: DPI 705
Serial Number	: 70510462
Sales Order Number	: 230053
Parameter Range	: 0.5 to 30 psi abs
Calibration Date	: 03 June 2009
Calibrated By	: Florida Martinez

CALIBRATOR INFORMATION

Calibration Instrument	: Ruska 7010
Serial Number	: PG-249
(*1) Calibrated Against	: CS-134 / NIST# 836/261146-99
Pressure Medium	: Nitrogen
Uncertainty	: 75ppm

AMBIENT CONDITIONS

Ambient Temperature (°C) : 22.41

PERFORMANCE DATA

Actual Applied Value psi	Unit Under Test Reading psi (*2)	Unit Under Test Deviation (*3)	Permissible Deviation (± 0.1 % fs) (*4)	Pass/ Fail
0.5000	0.502	+0.007 % fs	± 0.1 % fs	Pass
6.0000	6.003	+0.010 % fs	± 0.1 % fs	Pass
12.0000	12.004	+0.013 % fs	± 0.1 % fs	Pass
18.0000	18.004	+0.013 % fs	± 0.1 % fs	Pass
24.0000	24.005	+0.017 % fs	± 0.1 % fs	Pass
30.0000	30.008	+0.027 % fs	± 0.1 % fs	Pass
15.0000	15.004	+0.013 % fs	± 0.1 % fs	Pass
0.5000	0.502	+0.007 % fs	± 0.1 % fs	Pass

COMMENTS

Certified by: Date: 06/10/09

NOTES

(*1) Traceable to NIST. Calibrated in accordance with ISO9000 Quality Standards

(*2) Actual recorded values. For specification, see Permissible Deviation column.

(*3) Deviation calculated from UUT Reading minus Actual Applied Value.

(*4) Non linearity, hysterisis and repeatability.

MATRIX SOLAR SERVICES INC. 537 S. 31ST ST. • MESA, AZ 85204 USA • PH: (480) 832-1380 • FAX: (480) 832-9261 • EMAIL: MATRIXSOLAR@COX.NET

SOL-A-METER CERTIFICATE OF CALIBRATION

PLACE: Mesa, Arizona DATE: August 15, 2009

MODEL: Mk 1-G SERIAL NUMBER: 4795

CALIBRATION CONDITIONS: Sunshine, clear air, no clouds.

Temperature range 94 °F to 105°F.

REFERENCE STANDARD: Thermopile type pyranometer.
PSP Eppley, Serial Number: 15801F3; Coefficient: 6.60 millivolts/langley min.$^{-1}$

COEFFICIENTS:

1. Mk 1-G & Mk 3.....millivolts x 0.0185 =cal/cm^2/min
   millivolts x _____ =watts/meter^2
2. Mk 14E & Mk 18E – Integrator...counts x _____ =cal/cm^2
   counts x _____ =watt-hours/meter^2

   Recorder...millivolts x _____ =cal/cm^2/min
   millivolts x _____ =watts/meter^2

CONVERSION FACTORS:

Cal/cm^2/min x 221.2 = Btu/ft^2/hr^1
Cal/cm x 3.687 = Btu/ft^2
Cal/cm^2/min x 1.000 = Langleys/min^1
Cal/cm^2 x 1.000 = Langleys
Cal/cm^2/min x 69.73 = Milliwatts/cm^2
Btu/ft^2/hr x 3.153 = watts/meter^2
Cal/cm^2 x 1.162 = Milliwatt-hours/cm^2
Cal/cm^2 x 11.62 = watt-hours/meter^2
Cal/cm^2/min x 697.3 = watts/meter^2

REMARKS _____

CERTIFIED BY: Donald Tersteeg

RETAIN THIS CERTIFICATE. Our calibration data is discarded 18 months after the above date and duplicates will not be available thereafter.