

**SUMMARY OF METEOROLOGICAL DATA
COLLECTED DURING THE FOURTH QUARTER 2009
AT THE
RESOLUTION COPPER MINE MONITORING SITES
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 decommissioned 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 (ΔT), 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 fourth quarter of 2009 (October, November, and December).

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.

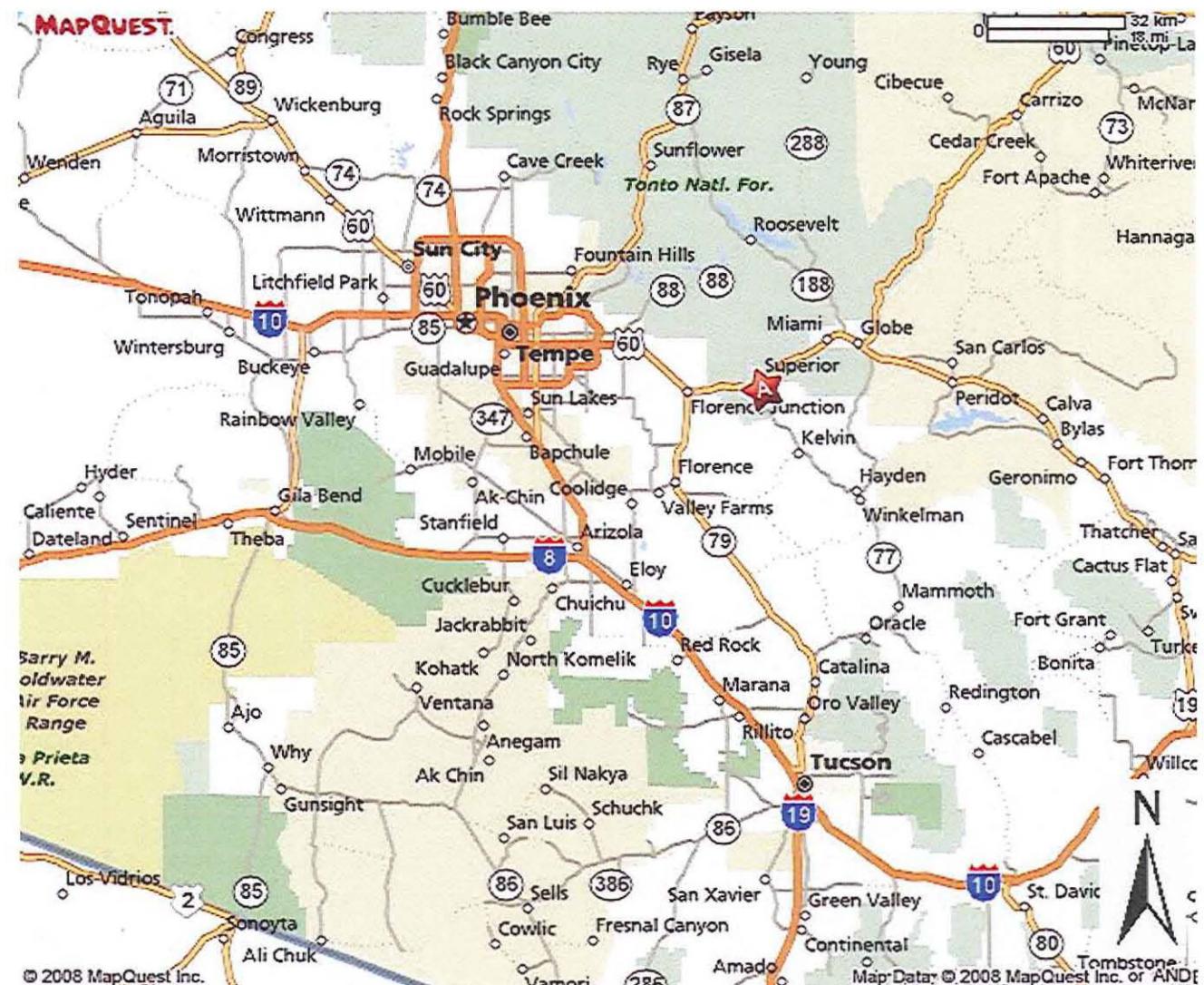


Figure 1.1 Map showing location of proposed Resolution Copper Mine (denoted by A) in Pinal County, Arizona.

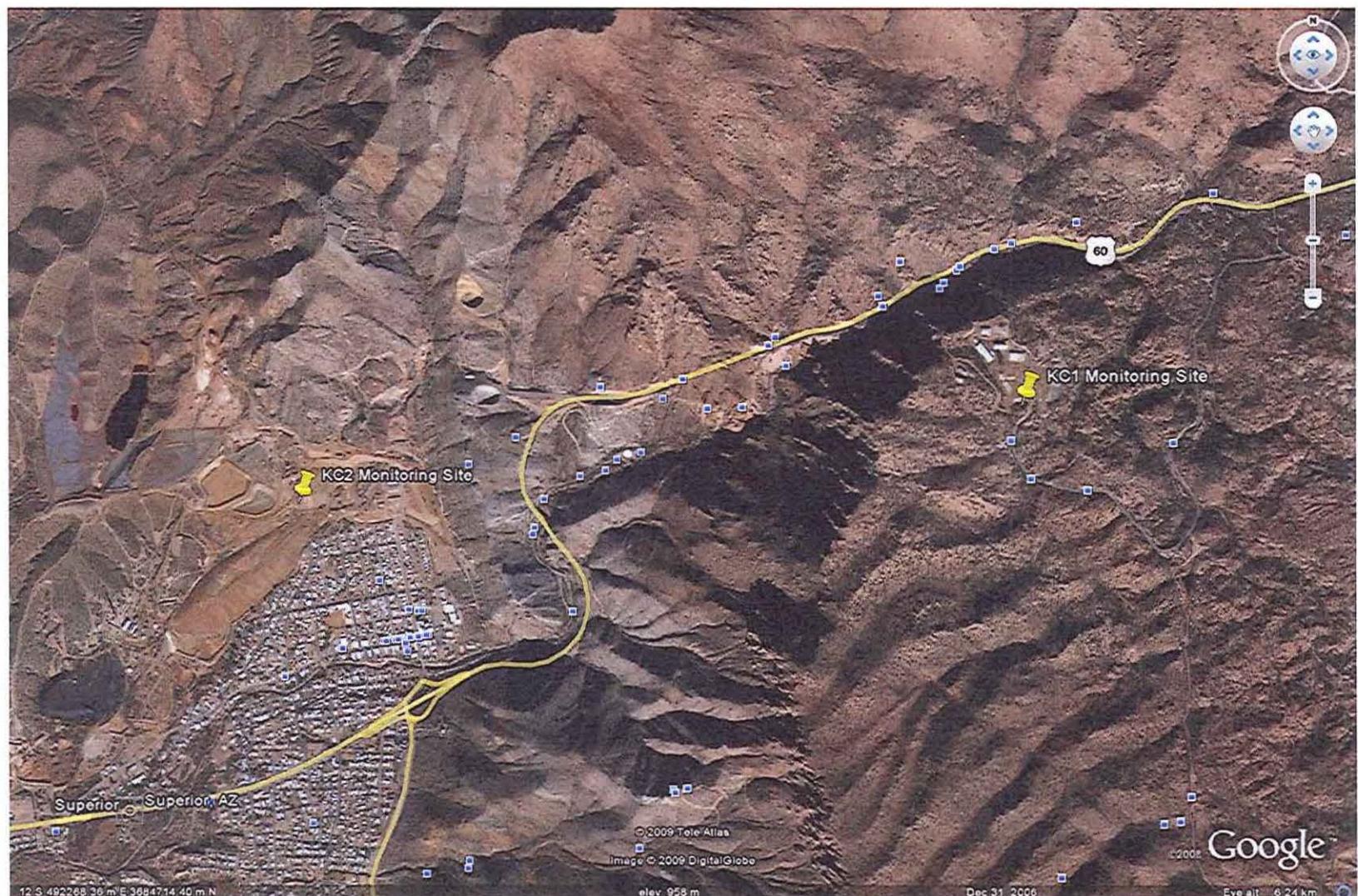


Figure 1.2 Map showing locations of KC1 and KC2 monitoring sites.

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 Fourth Quarter 2009

| | Monthly Avg. | Maximum Hourly Avg. | Minimum Hourly Avg. |
|----------|--------------|---------------------|---------------------|
| October | 3.0 | 13.3 | 0.1 |
| November | 3.6 | 12.8 | 0.0 |
| December | 3.2 | 12.4 | 0.0 |

Table 3.2 KC2: Monthly Wind Speed (m/s) Summary for the Fourth Quarter 2009

| | Monthly Avg. | Maximum Hourly Avg. | Minimum Hourly Avg. |
|----------|--------------|---------------------|---------------------|
| October | 3.0 | 13.5 | 0.1 |
| November | 3.5 | 15.1 | 0.2 |
| December | 3.1 | 13.8 | 0.0 |

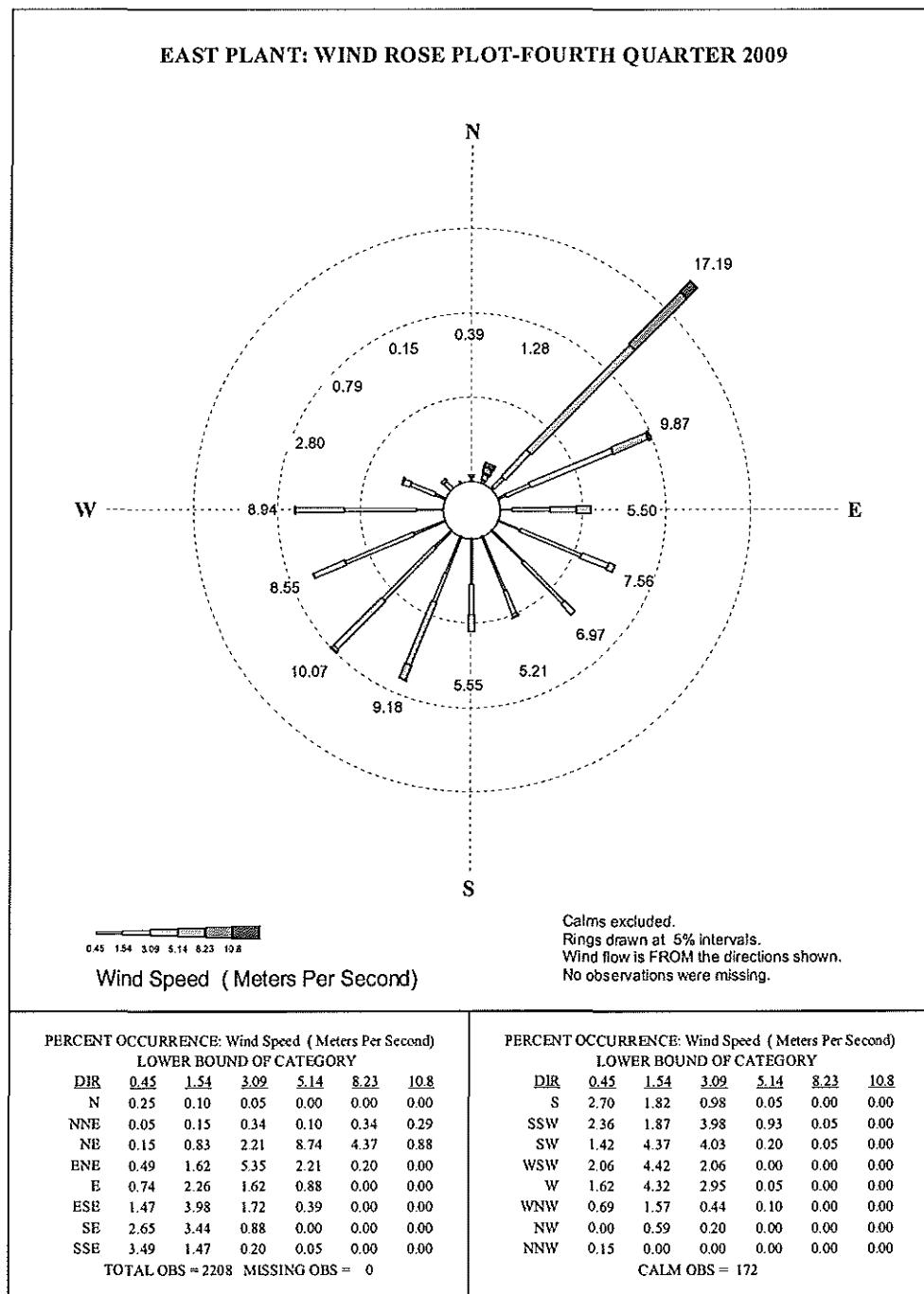


Figure 3.1 Wind rose for the KC1 (East Plant) monitoring site for the Fourth Quarter 2009.

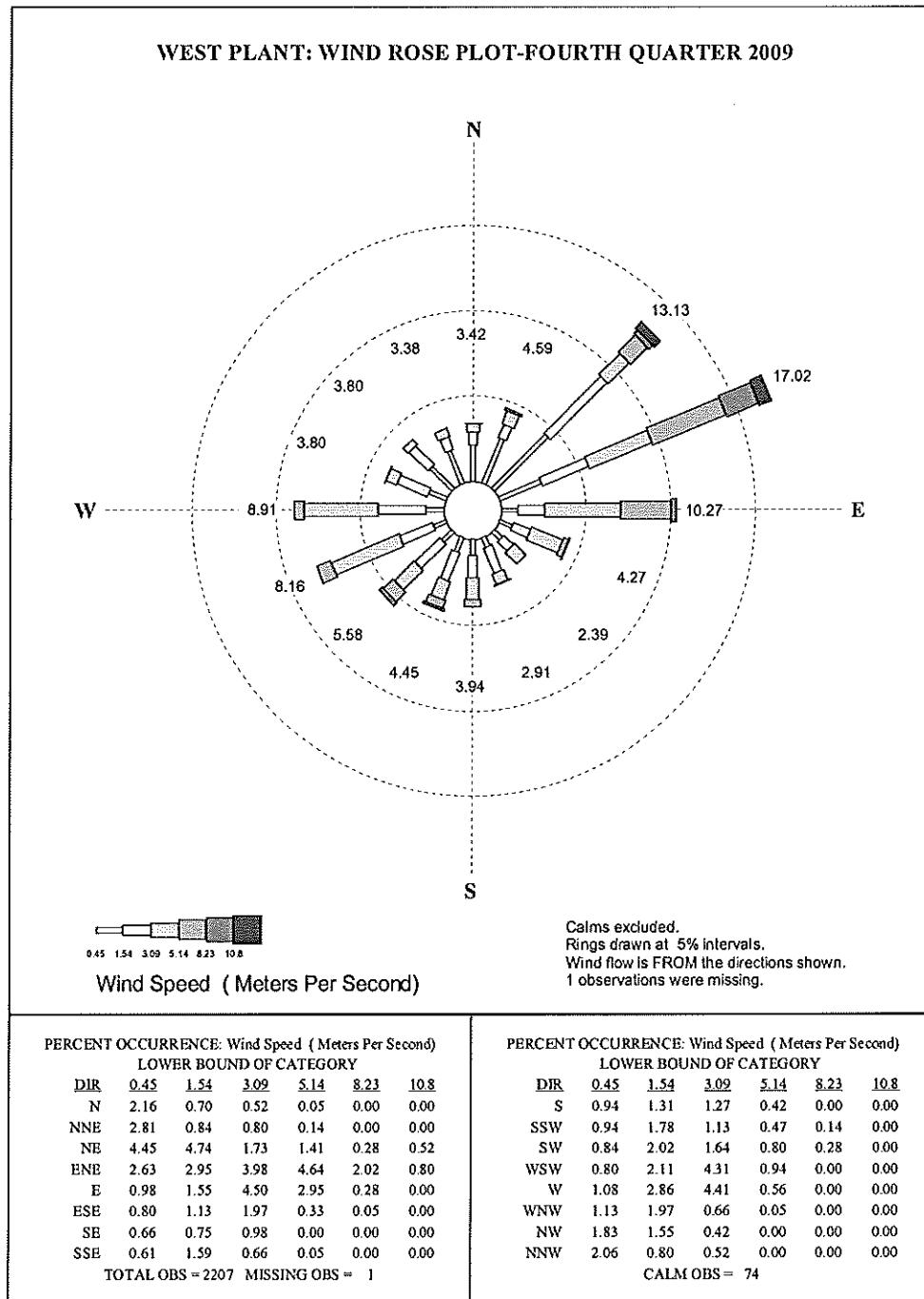


Figure 3.2 Wind rose for the KC2 (West Plant) monitoring site for the Fourth Quarter 2009.

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 Fourth Quarter 2009

| Month | Monthly Average Differential Temperature Per Hour of Day (°C) ^a | | | | | |
|----------------------|--|--------|--------|--------|--------|--------|
| | <i>Nighttime Hours</i> | | | | | |
| Month | 19 | 20 | 21 | 22 | 23 | 24 |
| October | 0.047 | 0.144 | 0.232 | 0.301 | 0.325 | 0.320 |
| November | 0.263 | 0.410 | 0.395 | 0.427 | 0.438 | 0.457 |
| December | 0.182 | 0.216 | 0.274 | 0.248 | 0.232 | 0.201 |
| | 1 | 2 | 3 | 4 | 5 | 6 |
| October | 0.345 | 0.328 | 0.324 | 0.343 | 0.277 | 0.275 |
| November | 0.407 | 0.393 | 0.363 | 0.420 | 0.375 | 0.357 |
| December | 0.218 | 0.252 | 0.247 | 0.227 | 0.248 | 0.267 |
| <i>Daytime Hours</i> | | | | | | |
| Month | 7 | 8 | 9 | 10 | 11 | 12 |
| October | 0.256 | -0.135 | -0.579 | -0.787 | -0.877 | -0.965 |
| November | 0.355 | 0.113 | -0.364 | -0.686 | -0.807 | -0.881 |
| December | 0.252 | 0.178 | -0.150 | -0.435 | -0.570 | -0.660 |
| | 13 | 14 | 15 | 16 | 17 | 18 |
| October | -0.973 | -0.949 | -0.861 | -0.644 | -0.379 | -0.069 |
| November | -0.846 | -0.738 | -0.632 | -0.419 | -0.100 | 0.157 |
| December | -0.702 | -0.647 | -0.538 | -0.377 | -0.101 | 0.089 |

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

Table 3.4 KC2: Monthly Differential Temperature Summary for the Fourth Quarter 2009

| Monthly Average Differential Temperature Per Hour of Day (°C) ^a | | | | | | |
|--|--------|--------|--------|--------|--------|--------|
| <i>Nighttime Hours</i> | | | | | | |
| Month | 19 | 20 | 21 | 22 | 23 | 24 |
| October | 0.106 | 0.377 | 0.589 | 0.539 | 0.603 | 0.622 |
| November | 0.402 | 0.555 | 0.560 | 0.611 | 0.697 | 0.720 |
| December | 0.272 | 0.472 | 0.497 | 0.501 | 0.496 | 0.512 |
| | 1 | 2 | 3 | 4 | 5 | 6 |
| October | 0.669 | 0.622 | 0.599 | 0.560 | 0.481 | 0.506 |
| November | 0.726 | 0.637 | 0.621 | 0.579 | 0.613 | 0.593 |
| December | 0.514 | 0.490 | 0.544 | 0.502 | 0.476 | 0.449 |
| <i>Daytime Hours</i> | | | | | | |
| Month | 7 | 8 | 9 | 10 | 11 | 12 |
| October | 0.404 | 0.182 | -0.489 | -0.744 | -0.964 | -1.093 |
| November | 0.557 | 0.454 | -0.108 | -0.460 | -0.658 | -0.813 |
| December | 0.489 | 0.444 | 0.150 | -0.259 | -0.430 | -0.558 |
| | 13 | 14 | 15 | 16 | 17 | 18 |
| October | -1.111 | -1.103 | -0.997 | -0.816 | -0.556 | -0.180 |
| November | -0.874 | -0.841 | -0.705 | -0.495 | -0.217 | 0.143 |
| December | -0.638 | -0.601 | -0.487 | -0.373 | -0.165 | 0.084 |

^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 Fourth Quarter 2009

| Month | Monthly Avg. | Maximum Daily Avg. | Minimum Daily Avg. | Maximum Hourly Avg. | Minimum Hourly Avg. |
|----------|--------------|--------------------|--------------------|---------------------|---------------------|
| October | 17.0 | 24.8 | 5.0 | 30.1 | 0.3 |
| November | 14.4 | 21.3 | 6.4 | 27.1 | 4.3 |
| December | 6.2 | 11.2 | 1.4 | 16.0 | -1.5 |

Table 3.6 KC2: Monthly Temperature (°C) Summary for the Fourth Quarter 2009

| Month | Monthly Avg. | Maximum Daily Avg. | Minimum Daily Avg. | Maximum Hourly Avg. | Minimum Hourly Avg. |
|----------|--------------|--------------------|--------------------|---------------------|---------------------|
| October | 20.6 | 29.7 | 8.2 | 34.1 | 4.0 |
| November | 18.5 | 26.0 | 10.4 | 31.1 | 8.0 |
| December | 10.1 | 15.3 | 4.4 | 20.3 | 2.2 |

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 Fourth Quarter 2009

| Month | Hour 04 Avg | Hour 10 Avg | Hour 16 Avg | Hour 22 Avg |
|----------|----------------|----------------|----------------|----------------|
| October | 37.3 | 31.6 | 21.8 | 29.7 |
| November | 33.2 | 30.2 | 24.0 | 32.4 |
| December | 54.0 | 44.4 | 41.6 | 49.6 |
| Quarter | Max: 100.0 | | | Min: 6.7 |

Table 3.8 KC2: Monthly Relative Humidity (%) Summary for the Fourth Quarter 2009

| Month | Hour 04 Avg | Hour 10 Avg | Hour 16 Avg | Hour 22 Avg |
|----------|----------------|----------------|----------------|----------------|
| October | 31.7 | 26.7 | 18.6 | 26.0 |
| November | 26.5 | 24.5 | 20.5 | 26.9 |
| December | 44.5 | 39.3 | 36.4 | 44.2 |
| Quarter | Max: 97.7 | | | Min: 5.5 |

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 Fourth Quarter 2009

| Month | Hour 04 Avg | Hour 10 Avg | Hour 16 Avg | Hour 22 Avg |
|----------|----------------|----------------|----------------|----------------|
| October | 25.71 | 25.76 | 25.69 | 25.71 |
| November | 25.80 | 25.84 | 25.77 | 25.80 |
| December | 25.77 | 25.80 | 25.75 | 25.78 |
| Quarter | Max: 26.05 | | Min: 25.25 | |

Table 3.10 KC2: Monthly Barometric Pressure (in Hg) Summary for the Fourth Quarter 2009

| Month | Hour 04 Avg | Hour 10 Avg | Hour 16 Avg | Hour 22 Avg |
|----------|----------------|----------------|----------------|----------------|
| October | 26.87 | 26.92 | 26.84 | 26.86 |
| November | 26.96 | 27.00 | 26.93 | 26.96 |
| December | 26.95 | 26.99 | 26.93 | 26.95 |
| Quarter | Max: 27.24 | | Min: 26.43 | |

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/m²) Summary for the Fourth Quarter 2009

| Month | Monthly Avg. | Maximum Daily Avg. | Minimum Daily Avg. | Maximum Hourly Avg. | Minimum Hourly Avg. |
|----------|--------------|--------------------|--------------------|---------------------|---------------------|
| October | 367.7 | 490.3 | 226.2 | 802.0 | 3.7 |
| November | 274.6 | 345.7 | 49.8 | 613.6 | 0.0 |
| December | 243.4 | 337.2 | 20.4 | 589.4 | 0.4 |

Note: All statistics based on daylight hours.

Table 3.12 KC2: Monthly Solar Radiation (watts/m²) Summary for the Fourth Quarter 2009

| Month | Monthly Avg. | Maximum Daily Avg. | Minimum Daily Avg. | Maximum Hourly Avg. | Minimum Hourly Avg. |
|----------|--------------|--------------------|--------------------|---------------------|---------------------|
| October | 395.8 | 492.9 | 294.5 | 825.0 | 2.5 |
| November | 273.1 | 347.8 | 67.3 | 689.8 | 0.0 |
| December | 233.7 | 332.0 | 20.9 | 641.3 | 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 Fourth Quarter 2009

| Month | Maximum Daily | Minimum Daily | Average Daily | Total Monthly |
|----------|---------------|---------------|---------------|---------------|
| October | 0.481 | 0.092 | 0.229 | 7.112 |
| November | 0.237 | 0.024 | 0.152 | 4.565 |
| December | 0.257 | 0.000 | 0.080 | 2.488 |

Table 3.14 KC2: Monthly Evaporation (inches) Summary for the Fourth Quarter 2009

| Month | Maximum Daily | Minimum Daily | Average Daily | Total Monthly |
|----------|---------------|---------------|---------------|---------------|
| October | 0.818 | 0.149 | 0.348 | 10.801 |
| November | 1.003 | 0.054 | 0.290 | 8.714 |
| December | 0.774 | 0.021 | 0.164 | 5.080 |

3.8 Precipitation

Precipitation events for the quarter are summarized in Tables 3.15 and 3.16. Precipitation at site KC1 was 0 inch in October, 0.40 inch in November and 2.11 inches in December. Precipitation at site KC2 was 0 inch in October, 0.48 inch in November and 1.86 inches in December.

Table 3.15 KC1: Monthly Precipitation (inch) Summary for the Fourth Quarter 2009

| Month | Day | Precipitation (in) | Duration (hours) |
|---------------|---------------|--------------------|------------------|
| October | | 0 | 0 |
| | Monthly Total | 0 | 0 |
| November | 13 | 0.18 | 6 |
| | 14 | 0.07 | 5 |
| | 15 | 0.01 | 1 |
| | 29 | 0.14 | 3 |
| | Monthly Total | 0.40 | 15 |
| December | 6 | 0.08 | 5 |
| | 7 | 1.04 | 14 |
| | 8 | 0.52 | 3 |
| | 22 | 0.47 | 3 |
| Monthly Total | | 2.11 | 25 |
| Quarter | Total | 2.51 | 40 |

Table 3.16 KC2: Monthly Precipitation (inch) Summary for the Fourth Quarter 2009

| Month | Day | Precipitation (in) | Duration (hours) |
|---------------|---------------|--------------------|------------------|
| October | | 0 | 0 |
| | Monthly Total | 0 | 0 |
| November | 13 | 0.14 | 6 |
| | 14 | 0.03 | 3 |
| | 29 | 0.31 | 2 |
| | Monthly Total | 0.48 | 11 |
| December | 6 | 0.05 | 3 |
| | 7 | 0.89 | 12 |
| | 8 | 0.45 | 3 |
| | 11 | 0.01 | 1 |
| | 22 | 0.44 | 3 |
| | 29 | 0.02 | 1 |
| Monthly Total | | 1.86 | 23 |
| Quarter | Total | 2.34 | 34 |

4. DATA RECOVERY

Data recovery statistics for the quarter are summarized for each site in Tables 4.1 and 4.2. There was one hour of missing meteorological data on December 24. The evaporation data were invalidated due to the precipitation and pan refills.

Table 4.1 Monitoring Site KC1 Data Completeness for the Fourth Quarter 2009

| Parameters | October | November | December | Quarter |
|----------------------|---------|----------|----------|---------|
| Wind Speed | 100% | 100% | 100% | 100% |
| Wind Direction | 100% | 100% | 100% | 100% |
| 2-meter Temperature | 100% | 100% | 100% | 100% |
| 10-meter Temperature | 100% | 100% | 100% | 100% |
| Temperature | 100% | 100% | 100% | 100% |
| Relative Humidity | 100% | 100% | 100% | 100% |
| Barometric Pressure | 100% | 100% | 100% | 100% |
| Solar Radiation | 100% | 100% | 100% | 100% |
| Evaporation | 99.3% | 98.9% | 98.4% | 98.9% |
| Precipitation | 100% | 100% | 100% | 100% |

Table 4.2 Monitoring Site KC2 Data Completeness for the Fourth Quarter 2009

| Parameters | October | November | December | Quarter |
|----------------------|---------|----------|----------|---------|
| Wind Speed | 100% | 100% | 99.9% | 100% |
| Wind Direction | 100% | 100% | 99.9% | 100% |
| 2-meter Temperature | 100% | 100% | 99.9% | 100% |
| 10-meter Temperature | 100% | 100% | 99.9% | 100% |
| Temperature | 100% | 100% | 99.9% | 100% |
| Relative Humidity | 100% | 100% | 99.9% | 100% |
| Barometric Pressure | 100% | 100% | 99.9% | 100% |
| Solar Radiation | 100% | 100% | 99.9% | 100% |
| Evaporation | 98.4% | 96.8% | 96.8% | 97.3% |
| Precipitation | 100% | 100% | 99.9% | 100% |

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 are scheduled semi-annually. A performance audit was not scheduled for this quarter.

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) | <ul style="list-style-type: none">- 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 | <ul style="list-style-type: none">- 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 | <ul style="list-style-type: none">- 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 | <ul style="list-style-type: none">- 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 | <ul style="list-style-type: none">- is less than 0° or greater than 90° |
| Precipitation | <ul style="list-style-type: none">- is greater than 1 inch in one hour- is greater than 3 inches in 24 hours |
| Relative Humidity | <ul style="list-style-type: none">- 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 | <ul style="list-style-type: none">- 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 | <ul style="list-style-type: none">- is greater than zero at night- is greater than the maximum possible for date and latitude- normal diurnal patterns exist |
| Evaporation | <ul style="list-style-type: none">- is greater than 0.5 inches per day- monthly total exceeds monthly average for area |

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
OCTOBER 2009
WIND SPEED (m/s)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|------|-----|-----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 10/01/09 | 1.0 | 0.7 | 0.5 | 1.0 | 2.1 | 3.0 | 3.6 | 6.1 | 7.5 | 7.8 | 5.8 | 2.7 | 2.0 | 2.4 | 2.6 | 2.9 | 2.4 | 2.4 | 2.2 | 2.2 | 0.3 | 0.1 | 0.3 | 0.3 | 7.8 | 0.1 | 2.6 |
| 10/02/09 | 0.4 | 0.3 | 1.1 | 0.5 | 1.2 | 0.5 | 1.0 | 0.7 | 1.6 | 2.0 | 2.7 | 2.8 | 3.1 | 3.0 | 3.0 | 2.9 | 3.1 | 2.1 | 1.5 | 1.9 | 2.3 | 3.1 | 1.7 | 2.2 | 3.1 | 0.3 | 1.9 |
| 10/03/09 | 3.4 | 4.0 | 2.8 | 2.6 | 1.3 | 1.7 | 2.1 | 1.5 | 1.3 | 2.0 | 2.8 | 3.2 | 3.7 | 3.0 | 3.1 | 2.8 | 3.1 | 3.3 | 2.9 | 2.3 | 3.0 | 2.9 | 3.8 | 3.6 | 4.0 | 1.3 | 2.7 |
| 10/04/09 | 4.4 | 3.5 | 3.3 | 3.2 | 3.5 | 4.3 | 4.0 | 3.2 | 4.5 | 4.8 | 5.5 | 5.1 | 4.6 | 5.1 | 5.1 | 5.1 | 5.5 | 4.6 | 4.7 | 5.0 | 4.3 | 4.0 | 4.1 | 3.6 | 5.5 | 3.2 | 4.4 |
| 10/05/09 | 4.1 | 4.6 | 2.7 | 2.1 | 3.1 | 3.9 | 3.0 | 3.3 | 3.2 | 3.5 | 3.1 | 3.4 | 4.0 | 3.4 | 3.2 | 3.5 | 2.8 | 2.5 | 2.0 | 1.9 | 1.9 | 0.6 | 0.7 | 0.7 | 4.6 | 0.6 | 2.8 |
| 10/06/09 | 0.4 | 0.7 | 1.2 | 1.6 | 1.2 | 1.2 | 1.2 | 2.5 | 3.7 | 4.5 | 3.6 | 2.6 | 3.0 | 3.4 | 3.3 | 2.9 | 2.3 | 2.2 | 1.3 | 2.8 | 3.7 | 2.1 | 1.4 | 4.5 | 0.4 | 2.2 | |
| 10/07/09 | 0.7 | 1.7 | 1.0 | 1.4 | 1.2 | 1.7 | 1.6 | 1.8 | 2.5 | 2.7 | 2.9 | 2.9 | 2.9 | 2.8 | 2.9 | 2.5 | 2.3 | 2.7 | 2.5 | 2.4 | 1.7 | 1.6 | 1.3 | 2.9 | 0.7 | 2.1 | |
| 10/08/09 | 0.6 | 1.4 | 1.5 | 1.8 | 1.6 | 0.4 | 0.8 | 2.1 | 2.5 | 2.6 | 3.1 | 2.7 | 3.2 | 3.5 | 3.5 | 3.6 | 3.2 | 2.4 | 1.9 | 1.4 | 1.6 | 1.7 | 2.5 | 1.6 | 3.6 | 0.4 | 2.1 |
| 10/09/09 | 1.0 | 0.7 | 0.9 | 1.2 | 1.0 | 1.0 | 0.9 | 1.1 | 1.2 | 2.3 | 3.4 | 3.5 | 3.4 | 3.0 | 2.9 | 3.2 | 3.2 | 3.6 | 3.2 | 2.5 | 1.1 | 0.7 | 1.1 | 0.5 | 3.6 | 0.5 | 1.9 |
| 10/10/09 | 1.4 | 1.4 | 1.3 | 1.5 | 2.0 | 2.2 | 2.4 | 2.3 | 2.8 | 3.3 | 3.3 | 3.0 | 2.7 | 3.0 | 2.8 | 2.3 | 2.7 | 2.3 | 1.6 | 1.3 | 0.3 | 0.2 | 0.2 | 0.1 | 3.3 | 0.1 | 1.9 |
| 10/11/09 | 0.3 | 0.3 | 0.2 | 1.1 | 0.9 | 0.9 | 0.6 | 0.5 | 1.7 | 3.3 | 3.1 | 3.4 | 2.9 | 3.3 | 4.0 | 4.2 | 3.3 | 2.9 | 1.7 | 0.6 | 0.1 | 0.7 | 1.1 | 2.6 | 4.2 | 0.1 | 1.8 |
| 10/12/09 | 2.4 | 0.8 | 0.4 | 0.4 | 1.2 | 1.8 | 0.6 | 0.6 | 1.7 | 4.4 | 4.7 | 5.5 | 4.4 | 4.3 | 4.8 | 5.3 | 3.8 | 3.1 | 2.1 | 2.6 | 2.7 | 2.8 | 2.6 | 2.5 | 5.5 | 0.4 | 2.7 |
| 10/13/09 | 2.8 | 3.2 | 3.0 | 2.9 | 2.6 | 1.7 | 1.8 | 2.2 | 2.8 | 2.7 | 2.6 | 3.4 | 3.7 | 2.8 | 2.8 | 2.7 | 2.4 | 1.8 | 1.8 | 2.1 | 1.2 | 0.9 | 1.0 | 1.2 | 3.7 | 0.9 | 2.3 |
| 10/14/09 | 1.2 | 1.2 | 1.4 | 0.9 | 0.3 | 0.7 | 0.5 | 0.8 | 2.3 | 2.8 | 3.1 | 2.6 | 3.0 | 2.6 | 2.8 | 3.1 | 3.3 | 2.4 | 1.8 | 1.9 | 1.8 | 1.1 | 1.5 | 0.8 | 3.3 | 0.3 | 1.8 |
| 10/15/09 | 0.9 | 1.1 | 1.0 | 1.5 | 2.0 | 2.1 | 1.9 | 2.6 | 3.7 | 4.3 | 3.4 | 2.7 | 3.0 | 3.6 | 3.7 | 3.5 | 3.7 | 4.1 | 4.1 | 2.7 | 0.9 | 1.0 | 1.4 | 1.9 | 4.3 | 0.9 | 2.5 |
| 10/16/09 | 2.8 | 2.4 | 2.6 | 2.9 | 3.0 | 2.8 | 2.7 | 6.7 | 7.4 | 7.1 | 7.8 | 7.3 | 5.7 | 3.2 | 3.1 | 3.6 | 4.1 | 3.9 | 1.4 | 1.2 | 2.2 | 4.0 | 5.1 | 4.2 | 7.8 | 1.2 | 4.1 |
| 10/17/09 | 3.6 | 4.4 | 4.7 | 6.1 | 5.3 | 5.3 | 5.2 | 6.9 | 8.0 | 8.1 | 6.2 | 6.1 | 5.2 | 5.0 | 3.8 | 3.0 | 3.8 | 4.0 | 4.8 | 4.0 | 4.2 | 4.8 | 5.1 | 5.3 | 8.1 | 3.0 | 5.1 |
| 10/18/09 | 5.7 | 6.6 | 5.1 | 4.6 | 4.1 | 3.4 | 3.0 | 3.5 | 3.8 | 4.4 | 4.1 | 2.8 | 2.5 | 2.9 | 2.7 | 2.4 | 2.9 | 1.6 | 1.3 | 0.9 | 0.3 | 0.7 | 1.7 | 1.4 | 6.6 | 0.3 | 3.0 |
| 10/19/09 | 0.9 | 1.8 | 4.1 | 3.5 | 4.0 | 1.6 | 0.2 | 0.3 | 3.5 | 3.4 | 4.2 | 4.4 | 4.5 | 3.6 | 4.2 | 3.9 | 3.7 | 4.2 | 4.0 | 4.5 | 4.8 | 5.5 | 4.9 | 4.4 | 5.5 | 0.2 | 3.5 |
| 10/20/09 | 5.5 | 5.6 | 5.5 | 4.9 | 4.2 | 3.5 | 3.7 | 4.1 | 4.1 | 2.1 | 3.2 | 3.0 | 3.6 | 4.0 | 4.4 | 3.4 | 3.8 | 3.4 | 3.4 | 2.4 | 2.8 | 2.4 | 1.6 | 0.6 | 5.6 | 0.6 | 3.6 |
| 10/21/09 | 0.7 | 1.1 | 1.5 | 2.9 | 3.0 | 2.4 | 2.4 | 2.1 | 1.8 | 2.5 | 3.0 | 3.1 | 3.3 | 3.5 | 3.6 | 3.8 | 3.9 | 3.5 | 3.4 | 3.3 | 2.6 | 1.0 | 0.4 | 1.0 | 3.9 | 0.4 | 2.5 |
| 10/22/09 | 0.5 | 0.4 | 0.7 | 1.1 | 1.6 | 1.7 | 1.4 | 1.5 | 2.6 | 2.6 | 2.9 | 3.5 | 3.3 | 3.4 | 3.9 | 3.7 | 3.1 | 3.4 | 3.0 | 2.8 | 2.2 | 1.5 | 0.9 | 1.5 | 3.9 | 0.4 | 2.2 |
| 10/23/09 | 2.4 | 2.6 | 2.0 | 4.0 | 7.4 | 7.1 | 6.7 | 7.7 | 8.0 | 6.6 | 5.9 | 4.3 | 3.5 | 2.8 | 3.7 | 3.5 | 3.0 | 3.6 | 3.8 | 2.8 | 1.6 | 2.2 | 2.7 | 1.9 | 8.0 | 0.7 | 4.1 |
| 10/24/09 | 1.9 | 1.4 | 2.0 | 0.6 | 0.6 | 0.8 | 0.7 | 0.4 | 1.3 | 2.2 | 3.1 | 3.2 | 3.5 | 3.9 | 3.2 | 2.7 | 2.9 | 2.0 | 2.0 | 1.7 | 2.8 | 2.6 | 1.1 | 1.5 | 3.9 | 0.4 | 2.0 |
| 10/25/09 | 1.3 | 0.5 | 0.4 | 0.5 | 0.9 | 0.8 | 0.2 | 0.5 | 0.9 | 2.0 | 2.8 | 3.3 | 2.9 | 3.1 | 3.3 | 3.1 | 3.0 | 3.6 | 2.9 | 3.2 | 5.6 | 6.0 | 4.7 | 8.3 | 8.3 | 0.2 | 2.7 |
| 10/26/09 | 10.1 | 10.9 | 11.0 | 12.4 | 13.3 | 12.2 | 12.7 | 12.7 | 11.5 | 7.1 | 5.6 | 8.4 | 6.9 | 6.4 | 4.8 | 3.1 | 2.8 | 2.0 | 1.0 | 0.8 | 0.5 | 1.2 | 0.9 | 0.4 | 13.3 | 0.4 | 6.6 |
| 10/27/09 | 1.0 | 1.2 | 1.5 | 1.5 | 1.3 | 1.8 | 1.4 | 1.6 | 2.4 | 3.0 | 4.5 | 4.8 | 5.7 | 5.9 | 7.4 | 7.4 | 7.4 | 8.0 | 7.4 | 9.3 | 9.6 | 4.4 | 4.0 | 5.6 | 9.6 | 1.0 | 4.5 |
| 10/28/09 | 4.2 | 3.5 | 4.2 | 4.3 | 3.8 | 2.6 | 2.0 | 2.1 | 2.8 | 3.7 | 4.6 | 4.3 | 4.2 | 4.0 | 3.9 | 4.0 | 3.8 | 3.3 | 2.6 | 2.8 | 2.3 | 1.3 | 1.5 | 1.3 | 4.6 | 1.3 | 3.2 |
| 10/29/09 | 1.6 | 0.9 | 0.5 | 0.5 | 1.1 | 0.5 | 0.5 | 1.0 | 1.8 | 2.9 | 2.9 | 3.2 | 3.3 | 3.8 | 3.5 | 3.2 | 2.8 | 2.0 | 2.3 | 1.5 | 0.6 | 1.0 | 1.5 | 3.8 | 0.5 | 1.9 | |
| 10/30/09 | 0.2 | 0.3 | 0.9 | 1.3 | 1.0 | 0.6 | 1.2 | 1.7 | 2.9 | 2.9 | 2.8 | 3.0 | 2.8 | 3.4 | 3.4 | 3.8 | 3.1 | 3.4 | 2.4 | 1.1 | 0.9 | 1.8 | 2.8 | 3.5 | 3.8 | 0.2 | 2.1 |
| 10/31/09 | 4.8 | 6.1 | 6.8 | 5.6 | 6.5 | 7.7 | 7.9 | 7.8 | 10.8 | 11.8 | 12.8 | 9.9 | 8.4 | 6.5 | 5.0 | 3.8 | 4.2 | 2.0 | 2.6 | 2.9 | 4.3 | 3.6 | 12.8 | 2.0 | 6.5 | | |

Hourly Averages

2.3 2.4 2.5 2.6 2.8 2.6 2.5 2.9 3.7 4.0 4.2 4.1 3.9 3.7 3.7 3.6 3.4 3.2 2.7 2.5 2.4 2.2 2.1 2.3

Maximum Hourly Wind Speed: 13.3 **Minimum Hourly Wind Speed:** 0.1 **Average Monthly Wind Speed:** 3.0

Maximum 24-Hour Mean: 6.6 **Minimum 24-Hour Mean:** 1.8

Total Number of Observations: 744 **Possible Number of Observations:** 744

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE
OCTOBER 2009

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 |
| 10/01/09 | 6 | 178 | 196 | 163 | 140 | 136 | 124 | 58 | 42 | 44 | 39 | 34 | 324 | 276 | 243 | 261 | 238 | 219 | 256 | 269 | 293 | 153 | 174 | 179 |
| 10/02/09 | 238 | 126 | 262 | 303 | 182 | 170 | 159 | 147 | 121 | 142 | 283 | 240 | 244 | 241 | 252 | 241 | 208 | 220 | 170 | 130 | 275 | 309 | 222 | 266 |
| 10/03/09 | 221 | 221 | 211 | 246 | 225 | 145 | 96 | 76 | 81 | 201 | 223 | 279 | 210 | 243 | 234 | 222 | 219 | 215 | 196 | 216 | 217 | 199 | 199 | 199 |
| 10/04/09 | 196 | 185 | 186 | 199 | 202 | 200 | 199 | 222 | 193 | 207 | 197 | 197 | 194 | 202 | 209 | 192 | 192 | 198 | 197 | 203 | 212 | 216 | 216 | 208 |
| 10/05/09 | 197 | 212 | 218 | 215 | 220 | 225 | 237 | 233 | 227 | 221 | 199 | 216 | 206 | 191 | 204 | 194 | 185 | 217 | 238 | 235 | 260 | 119 | 216 | 212 |
| 10/06/09 | 127 | 150 | 135 | 116 | 93 | 154 | 156 | 159 | 78 | 136 | 183 | 197 | 290 | 301 | 274 | 290 | 263 | 237 | 232 | 212 | 229 | 220 | 257 | 270 |
| 10/07/09 | 243 | 266 | 97 | 236 | 181 | 249 | 270 | 278 | 247 | 265 | 268 | 230 | 221 | 263 | 231 | 197 | 179 | 188 | 267 | 271 | 282 | 292 | 286 | 291 |
| 10/08/09 | 146 | 240 | 270 | 269 | 265 | 332 | 254 | 276 | 249 | 261 | 258 | 267 | 245 | 260 | 237 | 245 | 250 | 222 | 200 | 242 | 290 | 274 | 291 | 283 |
| 10/09/09 | 300 | 281 | 169 | 195 | 192 | 198 | 175 | 153 | 104 | 245 | 264 | 259 | 244 | 244 | 260 | 273 | 244 | 265 | 271 | 278 | 292 | 352 | 230 | 213 |
| 10/10/09 | 191 | 155 | 113 | 136 | 123 | 95 | 106 | 111 | 78 | 107 | 129 | 147 | 143 | 214 | 272 | 305 | 297 | 199 | 232 | 247 | 244 | 267 | 112 | 82 |
| 10/11/09 | 190 | 107 | 206 | 164 | 152 | 125 | 107 | 70 | 220 | 231 | 243 | 206 | 246 | 202 | 213 | 202 | 205 | 225 | 172 | 187 | 108 | 134 | 202 | 194 |
| 10/12/09 | 225 | 155 | 171 | 129 | 74 | 133 | 121 | 107 | 75 | 138 | 135 | 166 | 176 | 186 | 190 | 202 | 189 | 206 | 169 | 203 | 225 | 249 | 247 | 242 |
| 10/13/09 | 229 | 234 | 241 | 243 | 206 | 238 | 260 | 263 | 251 | 252 | 227 | 186 | 191 | 193 | 236 | 242 | 250 | 219 | 270 | 262 | 262 | 213 | 183 | 198 |
| 10/14/09 | 258 | 237 | 264 | 238 | 196 | 152 | 132 | 119 | 126 | 198 | 231 | 249 | 231 | 282 | 257 | 232 | 228 | 205 | 251 | 266 | 263 | 298 | 215 | 246 |
| 10/15/09 | 58 | 263 | 210 | 162 | 176 | 140 | 135 | 131 | 104 | 59 | 25 | 315 | 276 | 260 | 258 | 256 | 273 | 279 | 269 | 281 | 174 | 107 | 66 | 133 |
| 10/16/09 | 95 | 98 | 125 | 128 | 118 | 126 | 113 | 51 | 45 | 46 | 41 | 36 | 44 | 88 | 36 | 31 | 29 | 30 | 90 | 100 | 65 | 76 | 54 | 64 |
| 10/17/09 | 86 | 91 | 84 | 51 | 56 | 56 | 56 | 53 | 47 | 46 | 85 | 100 | 107 | 116 | 118 | 122 | 123 | 105 | 50 | 67 | 76 | 67 | 80 | 101 |
| 10/18/09 | 106 | 90 | 56 | 54 | 71 | 73 | 75 | 72 | 68 | 90 | 110 | 123 | 159 | 182 | 176 | 247 | 280 | 241 | 287 | 215 | 102 | 203 | 252 | 202 |
| 10/19/09 | 353 | 202 | 201 | 220 | 196 | 138 | 74 | 91 | 193 | 226 | 214 | 199 | 229 | 212 | 210 | 220 | 199 | 217 | 214 | 213 | 209 | 210 | 210 | 216 |
| 10/20/09 | 208 | 200 | 220 | 219 | 218 | 226 | 223 | 209 | 210 | 72 | 190 | 170 | 175 | 185 | 220 | 265 | 315 | 269 | 280 | 307 | 263 | 260 | 270 | 255 |
| 10/21/09 | 9 | 154 | 125 | 106 | 101 | 122 | 119 | 142 | 30 | 42 | 285 | 248 | 264 | 248 | 258 | 246 | 273 | 250 | 266 | 271 | 259 | 269 | 135 | 138 |
| 10/22/09 | 115 | 98 | 194 | 182 | 163 | 146 | 107 | 132 | 108 | 60 | 261 | 232 | 232 | 245 | 251 | 264 | 240 | 265 | 239 | 266 | 272 | 360 | 233 | 116 |
| 10/23/09 | 118 | 106 | 113 | 80 | 37 | 43 | 45 | 34 | 35 | 40 | 37 | 40 | 13 | 289 | 220 | 234 | 253 | 261 | 266 | 261 | 267 | 272 | 21 | 286 |
| 10/24/09 | 286 | 329 | 269 | 110 | 214 | 152 | 189 | 170 | 152 | 252 | 252 | 235 | 260 | 259 | 242 | 235 | 226 | 110 | 246 | 292 | 269 | 273 | 247 | 284 |
| 10/25/09 | 254 | 61 | 200 | 206 | 195 | 174 | 146 | 253 | 164 | 247 | 257 | 253 | 275 | 229 | 237 | 256 | 203 | 235 | 269 | 17 | 41 | 47 | 90 | 37 |
| 10/26/09 | 30 | 32 | 32 | 34 | 34 | 33 | 32 | 28 | 41 | 72 | 80 | 55 | 46 | 43 | 35 | 32 | 29 | 56 | 145 | 192 | 146 | 147 | 169 | 164 |
| 10/27/09 | 137 | 139 | 133 | 113 | 102 | 104 | 103 | 105 | 104 | 133 | 200 | 217 | 217 | 215 | 217 | 200 | 205 | 202 | 204 | 215 | 212 | 142 | 201 | 284 |
| 10/28/09 | 296 | 215 | 158 | 211 | 187 | 258 | 258 | 119 | 216 | 218 | 216 | 203 | 202 | 220 | 267 | 204 | 193 | 231 | 247 | 300 | 279 | 278 | 270 | 269 |
| 10/29/09 | 271 | 257 | 287 | 257 | 257 | 205 | 185 | 138 | 225 | 238 | 251 | 262 | 239 | 244 | 247 | 231 | 225 | 216 | 252 | 267 | 248 | 279 | 241 | 241 |
| 10/30/09 | 85 | 115 | 151 | 136 | 143 | 179 | 139 | 107 | 79 | 80 | 228 | 264 | 265 | 241 | 268 | 262 | 275 | 269 | 279 | 138 | 160 | 128 | 86 | 70 |
| 10/31/09 | 75 | 75 | 72 | 73 | 81 | 92 | 86 | 79 | 49 | 51 | 50 | 50 | 47 | 42 | 35 | 40 | 35 | 35 | 92 | 61 | 69 | 76 | 54 | 79 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|-----|----------------------------------|-----|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------------|-----|
| Hourly Averages | 173 | 170 | 173 | 167 | 155 | 155 | 145 | 135 | 128 | 149 | 183 | 189 | 200 | 213 | 213 | 214 | 210 | 203 | 220 | 216 | 212 | 209 | 185 | 194 |
| Total Number of Observations: | 744 | Possible Number of Observations: | 744 | INV = Invalid Data | | | | | | | | | | | | | | | | | | | ND = No Data Collection | |

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

NOVEMBER 2009

WIND SPEED (m/s)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|-----|-----|------|------|------|------|-----|------|------|-----|------|------|------|-----|-----|-----|-----|-----|-----|------|------|------|-----|------|-----|-----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 11/01/09 | 3.8 | 6.7 | 4.4 | 4.8 | 6.3 | 6.8 | 7.8 | 6.1 | 5.0 | 5.5 | 5.4 | 4.4 | 2.2 | 1.9 | 2.9 | 2.9 | 2.4 | 3.3 | 3.5 | 0.9 | 0.4 | 0.9 | 0.6 | 1.6 | 7.8 | 0.4 | 3.8 |
| 11/02/09 | 2.1 | 2.1 | 2.5 | 2.5 | 2.4 | 2.4 | 2.6 | 2.3 | 2.7 | 3.1 | 4.5 | 3.9 | 3.2 | 4.0 | 3.7 | 3.4 | 3.1 | 3.5 | 1.9 | 1.5 | 1.8 | 2.4 | 2.4 | 3.2 | 4.5 | 1.5 | 2.8 |
| 11/03/09 | 2.5 | 3.0 | 2.9 | 3.8 | 5.2 | 6.5 | 4.8 | 5.3 | 6.6 | 7.2 | 8.6 | 8.4 | 7.5 | 6.2 | 4.3 | 5.5 | 5.2 | 3.2 | 2.5 | 3.1 | 2.8 | 2.9 | 3.3 | 3.3 | 8.6 | 2.5 | 4.8 |
| 11/04/09 | 3.1 | 4.0 | 3.6 | 4.8 | 4.7 | 5.0 | 0.0 | 0.0 | 0.0 | 0.9 | 7.5 | 6.5 | 4.4 | 4.0 | 3.3 | 3.4 | 2.5 | 1.8 | 1.3 | 1.4 | 1.2 | 1.7 | 1.7 | 2.1 | 7.5 | 0.0 | 2.9 |
| 11/05/09 | 2.5 | 3.1 | 3.3 | 3.3 | 3.3 | 3.7 | 3.8 | 3.8 | 3.7 | 3.9 | 4.5 | 4.3 | 3.4 | 3.0 | 2.5 | 2.1 | 2.0 | 2.5 | 2.3 | 0.7 | 0.8 | 0.5 | 0.2 | 0.9 | 4.5 | 0.2 | 2.7 |
| 11/06/09 | 0.5 | 0.8 | 0.9 | 0.9 | 1.9 | 2.1 | 2.3 | 2.1 | 2.3 | 3.4 | 2.7 | 2.1 | 3.1 | 2.9 | 1.8 | 0.9 | 0.8 | 0.8 | 1.0 | 0.5 | 0.9 | 0.0 | 0.3 | 0.2 | 3.4 | 0.0 | 1.5 |
| 11/07/09 | 0.2 | 0.2 | 0.8 | 0.7 | 1.7 | 2.2 | 1.9 | 1.6 | 1.5 | 1.3 | 2.7 | 2.9 | 3.1 | 2.8 | 3.0 | 2.6 | 2.0 | 1.9 | 0.5 | 0.2 | 0.3 | 1.5 | 0.9 | 0.2 | 3.1 | 0.2 | 1.5 |
| 11/08/09 | 0.0 | 0.0 | 0.1 | 0.1 | 0.7 | 0.8 | 0.3 | 0.2 | 1.2 | 2.5 | 3.2 | 2.8 | 3.2 | 3.7 | 3.4 | 3.0 | 2.7 | 1.9 | 0.3 | 0.3 | 1.0 | 0.5 | 0.2 | 0.2 | 3.7 | 0.0 | 1.3 |
| 11/09/09 | 0.5 | 1.3 | 1.1 | 1.2 | 1.6 | 1.7 | 2.3 | 2.2 | 2.5 | 4.1 | 3.7 | 2.6 | 2.2 | 2.4 | 2.2 | 1.8 | 1.7 | 2.1 | 1.3 | 1.5 | 1.5 | 1.6 | 1.8 | 1.8 | 4.1 | 0.5 | 1.9 |
| 11/10/09 | 1.9 | 1.9 | 2.1 | 2.9 | 3.0 | 2.9 | 3.3 | 3.6 | 4.3 | 6.0 | 6.2 | 5.1 | 4.6 | 4.4 | 3.5 | 2.6 | 1.8 | 1.7 | 2.3 | 3.1 | 4.0 | 3.9 | 3.5 | 3.2 | 6.2 | 1.7 | 3.4 |
| 11/11/09 | 3.0 | 3.1 | 3.2 | 3.7 | 3.6 | 3.8 | 3.5 | 4.6 | 5.8 | 6.1 | 3.6 | 0.0 | 1.6 | 3.7 | 2.5 | 2.1 | 2.9 | 2.7 | 1.6 | 1.1 | 1.3 | 1.1 | 0.5 | 0.4 | 6.1 | 0.0 | 2.7 |
| 11/12/09 | 1.9 | 4.3 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 3.4 | 4.3 | 0.0 | 0.5 |
| 11/13/09 | 4.2 | 4.0 | 3.8 | 3.7 | 3.4 | 3.4 | 3.6 | 4.0 | 4.4 | 4.6 | 4.2 | 4.4 | 4.9 | 4.3 | 4.0 | 1.9 | 0.0 | 0.0 | 0.0 | 1.2 | 1.5 | 1.5 | 1.0 | 1.6 | 4.9 | 0.0 | 2.9 |
| 11/14/09 | 0.6 | 0.8 | 0.7 | 0.6 | 0.4 | 0.3 | 0.7 | 0.4 | 0.8 | 1.6 | 2.1 | 2.5 | 2.7 | 2.8 | 3.6 | 2.3 | 0.9 | 1.0 | 0.5 | 0.2 | 1.2 | 0.5 | 0.4 | 3.6 | 0.2 | 1.2 | |
| 11/15/09 | 0.3 | 0.4 | 0.4 | 0.6 | 0.5 | 0.7 | 0.8 | 1.1 | 1.9 | 3.9 | 6.8 | 7.0 | 5.2 | 5.2 | 5.2 | 5.8 | 5.1 | 3.7 | 4.9 | 7.8 | 11.1 | 11.4 | 8.7 | 8.4 | 11.4 | 0.3 | 4.4 |
| 11/16/09 | 7.3 | 7.4 | 7.0 | 7.7 | 9.9 | 9.9 | 9.0 | 9.1 | 9.3 | 10.2 | 9.9 | 10.0 | 10.1 | 9.0 | 8.3 | 7.1 | 6.5 | 5.7 | 5.7 | 5.8 | 7.9 | 6.7 | 7.5 | 8.1 | 10.2 | 5.7 | 8.1 |
| 11/17/09 | 8.0 | 7.5 | 8.1 | 8.6 | 10.0 | 10.9 | 10.8 | 9.9 | 8.2 | 9.2 | 9.5 | 9.4 | 8.2 | 8.1 | 7.9 | 6.1 | 5.6 | 5.2 | 3.1 | 3.0 | 2.9 | 2.6 | 2.7 | 2.7 | 10.9 | 2.6 | 7.0 |
| 11/18/09 | 2.7 | 3.2 | 6.4 | 6.4 | 4.0 | 4.1 | 4.2 | 4.3 | 4.7 | 4.7 | 4.0 | 3.4 | 2.3 | 2.6 | 3.1 | 3.3 | 2.4 | 1.4 | 1.1 | 0.3 | 1.4 | 0.7 | 0.5 | 0.4 | 6.4 | 0.3 | 3.0 |
| 11/19/09 | 0.5 | 1.2 | 1.6 | 1.6 | 2.0 | 1.6 | 2.0 | 2.4 | 2.4 | 3.1 | 3.2 | 3.1 | 3.3 | 3.3 | 3.2 | 4.0 | 4.3 | 4.5 | 4.1 | 2.2 | 0.9 | 1.2 | 1.1 | 1.3 | 4.5 | 0.5 | 2.4 |
| 11/20/09 | 3.2 | 3.8 | 3.7 | 3.6 | 3.9 | 2.4 | 3.4 | 3.1 | 3.0 | 4.4 | 4.9 | 4.1 | 3.9 | 2.3 | 2.1 | 2.1 | 2.1 | 2.1 | 1.0 | 1.2 | 1.3 | 1.4 | 0.7 | 1.2 | 4.9 | 0.7 | 2.7 |
| 11/21/09 | 1.0 | 1.5 | 1.6 | 1.7 | 1.7 | 1.6 | 1.6 | 1.8 | 1.8 | 2.8 | 3.4 | 3.1 | 4.4 | 3.8 | 3.3 | 3.2 | 2.3 | 1.5 | 1.4 | 1.7 | 1.9 | 1.4 | 0.7 | 0.5 | 4.4 | 0.5 | 2.1 |
| 11/22/09 | 0.6 | 1.1 | 0.8 | 1.2 | 1.3 | 1.5 | 1.9 | 1.9 | 2.0 | 3.1 | 2.4 | 2.6 | 3.1 | 2.5 | 2.4 | 2.6 | 1.9 | 1.8 | 1.7 | 0.7 | 0.7 | 0.4 | 0.4 | 0.8 | 3.1 | 0.4 | 1.6 |
| 11/23/09 | 1.0 | 0.3 | 0.1 | 0.8 | 0.4 | 0.8 | 0.3 | 0.8 | 0.9 | 1.5 | 1.6 | 3.3 | 3.3 | 3.2 | 3.1 | 3.3 | 3.9 | 3.0 | 0.9 | 2.5 | 5.5 | 8.5 | 9.0 | 9.0 | 0.1 | 2.5 | |
| 11/24/09 | 9.9 | 9.5 | 9.6 | 9.9 | 9.6 | 8.5 | 6.3 | 6.4 | 7.7 | 8.5 | 8.2 | 8.7 | 8.7 | 8.2 | 7.3 | 6.6 | 5.9 | 4.8 | 6.8 | 7.0 | 8.1 | 8.4 | 6.9 | 7.1 | 9.9 | 4.8 | 7.9 |
| 11/25/09 | 8.0 | 9.0 | 8.3 | 9.1 | 8.8 | 9.4 | 9.2 | 9.1 | 10.1 | 9.9 | 9.8 | 10.3 | 10.8 | 10.3 | 8.9 | 7.7 | 6.4 | 4.6 | 7.0 | 8.5 | 8.8 | 9.5 | 10.7 | 9.8 | 10.8 | 4.6 | 8.9 |
| 11/26/09 | 7.4 | 8.9 | 7.4 | 10.5 | 12.2 | 12.8 | 9.2 | 7.4 | 6.5 | 9.0 | 9.4 | 6.9 | 7.6 | 8.2 | 7.7 | 7.1 | 6.8 | 5.6 | 4.1 | 3.8 | 3.9 | 3.8 | 3.7 | 4.0 | 12.8 | 3.7 | 7.2 |
| 11/27/09 | 3.6 | 3.6 | 4.5 | 5.9 | 6.5 | 6.0 | 6.0 | 5.9 | 5.1 | 5.0 | 4.9 | 3.4 | 3.1 | 2.1 | 2.9 | 2.6 | 3.4 | 2.2 | 1.3 | 1.0 | 0.8 | 0.6 | 0.2 | 0.3 | 6.5 | 0.2 | 3.4 |
| 11/28/09 | 0.6 | 0.9 | 2.6 | 2.8 | 4.2 | 4.9 | 4.7 | 4.9 | 4.5 | 4.7 | 6.4 | 5.9 | 4.5 | 5.8 | 4.7 | 4.8 | 4.3 | 3.1 | 2.9 | 2.6 | 1.3 | 0.8 | 1.1 | 1.7 | 6.4 | 0.6 | 3.5 |
| 11/29/09 | 1.7 | 0.8 | 1.1 | 0.5 | 1.0 | 1.5 | 4.1 | 3.8 | 4.4 | 6.8 | 6.4 | 6.7 | 6.9 | 5.5 | 4.3 | 6.5 | 5.4 | 3.8 | 4.2 | 2.9 | 2.1 | 1.2 | 3.3 | 3.4 | 6.9 | 0.5 | 3.7 |
| 11/30/09 | 4.6 | 6.3 | 6.9 | 7.7 | 7.2 | 6.3 | 5.6 | 4.9 | 10.6 | 8.1 | 8.4 | 10.6 | 9.8 | 8.1 | 8.9 | 7.2 | 6.3 | 2.7 | 1.2 | 1.4 | 1.9 | 3.3 | 2.3 | 1.4 | 10.6 | 1.2 | 5.9 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|------|---|-----|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
| Hourly Averages | | 2.9 | 3.4 | 3.3 | 3.7 | 4.1 | 4.1 | 3.9 | 3.8 | 4.1 | 4.8 | 5.3 | 4.9 | 4.7 | 4.5 | 4.1 | 3.8 | 3.3 | 2.8 | 2.4 | 2.2 | 2.5 | 2.6 | 2.8 | | | |
| Maximum Hourly Wind Speed: | 12.8 | Minimum Hourly Wind Speed: | 0.0 | Average Monthly Wind Speed: | 3.6 | | | | | | | | | | | | | | | | | | | | | | |
| Maximum 24-Hour Mean: | 8.9 | Minimum 24-Hour Mean: | 0.5 | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Number of Observations: | 720 | Possible Number of Observations: | 720 | INV = Invalid Data | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | ND = No Data Collection | | | | | | | | | | | | | | | | | | | | | | | |

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

NOVEMBER 2009

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 | |
| 11/01/09 | 75 | 51 | 64 | 64 | 49 | 50 | 45 | 52 | 58 | 43 | 36 | 35 | 201 | 259 | 246 | 269 | 265 | 280 | 288 | 212 | 203 | 162 | 190 | | |
| 11/02/09 | 187 | 185 | 182 | 164 | 158 | 138 | 162 | 144 | 127 | 108 | 74 | 52 | 306 | 267 | 261 | 259 | 264 | 270 | 262 | 147 | 112 | 130 | 121 | 137 | |
| 11/03/09 | 97 | 112 | 95 | 64 | 55 | 49 | 58 | 57 | 53 | 52 | 47 | 42 | 39 | 65 | 46 | 41 | 59 | 79 | 76 | 82 | 83 | 78 | 72 | | |
| 11/04/09 | 69 | 58 | 73 | 55 | 59 | 52 | 0 | 0 | 0 | 46 | 46 | 44 | 89 | 122 | 121 | 117 | 104 | 60 | 94 | 116 | 119 | 112 | 97 | 108 | |
| 11/05/09 | 82 | 73 | 70 | 74 | 78 | 79 | 79 | 76 | 77 | 81 | 90 | 111 | 143 | 132 | 155 | 249 | 225 | 264 | 279 | 185 | 181 | 200 | 134 | 197 | |
| 11/06/09 | 162 | 168 | 133 | 140 | 130 | 119 | 104 | 122 | 120 | 115 | 121 | 90 | 272 | 264 | 271 | 152 | 185 | 247 | 163 | 193 | 174 | 158 | 166 | 193 | |
| 11/07/09 | 216 | 207 | 173 | 179 | 197 | 183 | 179 | 170 | 134 | 89 | 260 | 250 | 251 | 256 | 234 | 244 | 198 | 155 | 217 | 280 | 310 | 274 | 239 | 206 | |
| 11/08/09 | 199 | 147 | 204 | 241 | 186 | 198 | 171 | 182 | 121 | 109 | 132 | 151 | 225 | 227 | 221 | 258 | 208 | 198 | 172 | 142 | 201 | 165 | 191 | 177 | |
| 11/09/09 | 194 | 180 | 184 | 186 | 171 | 163 | 178 | 159 | 131 | 44 | 49 | 39 | 22 | 6 | 308 | 325 | 277 | 274 | 154 | 130 | 134 | 106 | 110 | 128 | |
| 11/10/09 | 121 | 120 | 94 | 77 | 73 | 75 | 65 | 63 | 61 | 51 | 43 | 96 | 123 | 130 | 139 | 127 | 116 | 109 | 70 | 105 | 108 | 103 | 94 | 89 | |
| 11/11/09 | 87 | 77 | 75 | 60 | 73 | 73 | 67 | 56 | 54 | 50 | 44 | 0 | 63 | 105 | 122 | 124 | 46 | 50 | 101 | 150 | 157 | 165 | 174 | 143 | |
| 11/12/09 | 185 | 192 | 194 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 168 | 210 |
| 11/13/09 | 214 | 218 | 217 | 214 | 210 | 212 | 214 | 214 | 213 | 218 | 214 | 217 | 209 | 195 | 197 | 207 | 0 | 0 | 0 | 0 | 217 | 144 | 190 | 90 | 108 |
| 11/14/09 | 357 | 278 | 144 | 199 | 156 | 189 | 205 | 115 | 220 | 310 | 229 | 223 | 255 | 264 | 247 | 211 | 58 | 278 | 185 | 207 | 202 | 172 | 198 | 167 | |
| 11/15/09 | 216 | 192 | 192 | 215 | 169 | 196 | 163 | 176 | 122 | 66 | 50 | 43 | 42 | 37 | 47 | 65 | 60 | 60 | 58 | 51 | 37 | 35 | 48 | 56 | |
| 11/16/09 | 61 | 59 | 68 | 56 | 44 | 45 | 49 | 48 | 50 | 46 | 49 | 47 | 46 | 45 | 43 | 44 | 47 | 51 | 55 | 53 | 47 | 51 | 48 | 48 | |
| 11/17/09 | 49 | 51 | 51 | 50 | 44 | 42 | 43 | 46 | 52 | 50 | 45 | 40 | 38 | 37 | 37 | 37 | 38 | 42 | 73 | 79 | 80 | 79 | 78 | 70 | |
| 11/18/09 | 75 | 74 | 46 | 45 | 61 | 59 | 57 | 57 | 60 | 58 | 59 | 114 | 135 | 236 | 231 | 202 | 214 | 229 | 238 | 195 | 192 | 180 | 165 | 165 | |
| 11/19/09 | 217 | 191 | 207 | 172 | 185 | 179 | 184 | 172 | 144 | 109 | 94 | 246 | 248 | 234 | 253 | 253 | 266 | 268 | 278 | 307 | 170 | 168 | 128 | 127 | |
| 11/20/09 | 110 | 110 | 112 | 135 | 147 | 144 | 123 | 108 | 95 | 59 | 46 | 101 | 115 | 148 | 167 | 254 | 247 | 257 | 212 | 172 | 157 | 150 | 156 | 158 | |
| 11/21/09 | 159 | 147 | 124 | 140 | 133 | 125 | 118 | 103 | 111 | 98 | 135 | 147 | 226 | 199 | 184 | 228 | 209 | 238 | 263 | 286 | 299 | 142 | 90 | 234 | |
| 11/22/09 | 299 | 280 | 196 | 167 | 163 | 157 | 163 | 168 | 140 | 79 | 97 | 146 | 129 | 191 | 239 | 256 | 220 | 240 | 255 | 156 | 192 | 204 | 207 | 200 | |
| 11/23/09 | 165 | 186 | 129 | 171 | 200 | 199 | 144 | 205 | 126 | 88 | 195 | 255 | 245 | 246 | 241 | 238 | 264 | 271 | 282 | 147 | 88 | 52 | 38 | 33 | |
| 11/24/09 | 34 | 32 | 35 | 35 | 38 | 47 | 55 | 53 | 50 | 44 | 45 | 43 | 40 | 39 | 46 | 36 | 39 | 43 | 40 | 42 | 42 | 43 | 50 | 47 | |
| 11/25/09 | 44 | 43 | 46 | 44 | 46 | 44 | 46 | 48 | 49 | 53 | 51 | 49 | 50 | 49 | 48 | 45 | 47 | 68 | 55 | 48 | 44 | 45 | 44 | 48 | |
| 11/26/09 | 58 | 49 | 51 | 50 | 51 | 50 | 51 | 54 | 68 | 45 | 34 | 85 | 108 | 96 | 101 | 109 | 108 | 97 | 67 | 67 | 71 | 78 | 65 | 58 | |
| 11/27/09 | 64 | 60 | 56 | 49 | 46 | 49 | 49 | 48 | 51 | 57 | 45 | 83 | 133 | 130 | 181 | 210 | 215 | 180 | 229 | 167 | 196 | 243 | 199 | 214 | |
| 11/28/09 | 139 | 143 | 192 | 173 | 187 | 198 | 199 | 187 | 189 | 198 | 195 | 194 | 203 | 204 | 198 | 210 | 212 | 216 | 241 | 259 | 224 | 206 | 189 | 207 | |
| 11/29/09 | 270 | 286 | 150 | 164 | 110 | 97 | 56 | 66 | 91 | 44 | 46 | 47 | 45 | 106 | 86 | 50 | 50 | 90 | 102 | 90 | 84 | 74 | 86 | 61 | |
| 11/30/09 | 63 | 52 | 55 | 46 | 46 | 62 | 56 | 66 | 50 | 45 | 67 | 63 | 55 | 81 | 78 | 58 | 57 | 49 | 132 | 74 | 93 | 63 | 72 | 106 | |
| Hourly Averages | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 142 | 134 | 120 | 114 | 109 | 109 | 103 | 100 | 94 | 82 | 88 | 102 | 130 | 143 | 159 | 162 | 143 | 154 | 154 | 147 | 138 | 129 | 123 | 132 | |
| Total Number of Observations: 720 | | | | | | | | | | | | Possible Number of Observations: 720 | | | | | | | | | | | | INV = Invalid Data | |
| | | | | | | | | | | | | | | | | | | | | | | | | ND = No Data Collection | |

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

DECEMBER 2009

WIND SPEED (m/s)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 12/01/09 | 1.9 | 1.9 | 1.5 | 1.6 | 1.4 | 1.3 | 1.3 | 1.1 | 1.0 | 1.0 | 3.6 | 4.0 | 3.3 | 2.7 | 3.6 | 4.6 | 5.2 | 3.9 | 3.9 | 2.4 | 1.2 | 1.7 | 1.4 | 1.7 | 5.2 | 1.0 | 2.4 |
| 12/02/09 | 0.6 | 0.5 | 1.4 | 0.5 | 0.5 | 0.8 | 0.2 | 0.4 | 1.2 | 1.9 | 2.5 | 3.0 | 2.9 | 2.6 | 2.4 | 2.6 | 2.5 | 1.5 | 1.3 | 1.8 | 2.2 | 2.1 | 1.9 | 3.0 | 0.2 | 1.6 | |
| 12/03/09 | 2.1 | 1.1 | 1.0 | 0.8 | 0.6 | 0.6 | 0.7 | 0.2 | 0.8 | 1.4 | 2.6 | 2.8 | 3.1 | 3.0 | 3.7 | 3.2 | 2.9 | 2.8 | 2.5 | 3.3 | 5.9 | 7.1 | 8.4 | 9.7 | 9.7 | 0.2 | 2.9 |
| 12/04/09 | 11.4 | 12.2 | 12.4 | 11.9 | 11.9 | 10.6 | 8.6 | 7.2 | 7.3 | 6.8 | 9.3 | 8.4 | 6.9 | 5.0 | 3.1 | 2.9 | 3.6 | 2.0 | 1.7 | 2.9 | 2.8 | 2.7 | 2.4 | 2.2 | 12.4 | 1.7 | 6.5 |
| 12/05/09 | 2.5 | 2.7 | 3.0 | 2.6 | 3.0 | 3.2 | 3.2 | 3.0 | 3.2 | 3.0 | 3.7 | 4.0 | 3.1 | 2.7 | 3.3 | 2.8 | 2.4 | 1.9 | 2.2 | 2.6 | 3.9 | 3.6 | 5.0 | 4.3 | 5.0 | 1.9 | 3.1 |
| 12/06/09 | 3.8 | 3.9 | 4.9 | 2.9 | 1.9 | 2.0 | 3.3 | 1.9 | 2.9 | 2.6 | 2.9 | 2.4 | 1.7 | 1.0 | 2.2 | 1.9 | 1.5 | 2.5 | 3.6 | 4.6 | 4.9 | 3.4 | 3.8 | 4.9 | 1.0 | 2.9 | |
| 12/07/09 | 3.6 | 3.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 0.0 | 0.3 |
| 12/08/09 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 5.1 | 5.3 | 4.3 | 3.7 | 3.9 | 3.9 | 3.5 | 4.4 | 3.5 | 3.1 | 3.3 | 2.9 | 3.6 | 2.5 | 0.9 | 1.3 | 1.6 | 1.9 | 1.0 | 5.3 | 0.0 | 2.7 |
| 12/09/09 | 0.2 | 1.1 | 1.0 | 0.9 | 0.6 | 0.5 | 0.3 | 0.1 | 0.5 | 0.6 | 1.3 | 2.4 | 2.1 | 2.5 | 2.5 | 2.3 | 1.7 | 1.7 | 1.5 | 1.1 | 0.4 | 0.8 | 1.5 | 1.1 | 2.5 | 0.1 | 1.2 |
| 12/10/09 | 1.9 | 2.0 | 2.1 | 2.0 | 2.0 | 2.3 | 2.2 | 2.1 | 2.3 | 2.5 | 3.3 | 2.9 | 2.8 | 2.4 | 1.4 | 2.0 | 1.9 | 1.7 | 0.5 | 1.3 | 0.8 | 1.1 | 0.5 | 1.1 | 3.3 | 0.5 | 1.9 |
| 12/11/09 | 0.9 | 0.6 | 0.9 | 1.6 | 1.6 | 1.3 | 1.6 | 1.3 | 1.4 | 1.7 | 1.8 | 2.2 | 2.2 | 2.8 | 3.3 | 2.9 | 1.9 | 2.4 | 1.9 | 0.5 | 0.0 | 0.2 | 0.4 | 0.1 | 3.3 | 0.0 | 1.5 |
| 12/12/09 | 0.5 | 0.5 | 0.8 | 0.2 | 0.6 | 0.7 | 0.3 | 0.6 | 1.1 | 1.2 | 1.1 | 1.1 | 1.7 | 1.9 | 1.3 | 1.7 | 1.0 | 1.1 | 0.7 | 0.9 | 1.5 | 1.6 | 0.6 | 0.2 | 1.9 | 0.2 | 1.0 |
| 12/13/09 | 0.6 | 1.0 | 1.1 | 0.9 | 0.4 | 0.7 | 0.9 | 0.8 | 0.3 | 3.0 | 5.6 | 6.0 | 6.0 | 6.4 | 4.7 | 3.0 | 2.3 | 2.1 | 1.6 | 2.1 | 1.5 | 1.2 | 1.5 | 0.6 | 6.4 | 0.3 | 2.3 |
| 12/14/09 | 0.0 | 0.2 | 0.6 | 0.0 | 0.0 | 0.6 | 0.0 | 1.2 | 0.2 | 1.2 | 1.3 | 2.3 | 2.7 | 3.4 | 2.8 | 2.3 | 2.4 | 2.1 | 2.9 | 2.1 | 0.4 | 1.5 | 2.9 | 4.8 | 4.8 | 0.0 | 1.6 |
| 12/15/09 | 5.8 | 5.3 | 5.6 | 6.1 | 6.3 | 6.9 | 5.9 | 3.7 | 6.4 | 7.2 | 7.9 | 7.9 | 9.4 | 8.4 | 8.0 | 7.1 | 4.9 | 4.6 | 5.3 | 5.3 | 6.3 | 6.3 | 6.6 | 6.5 | 9.4 | 3.7 | 6.4 |
| 12/16/09 | 6.6 | 7.4 | 7.6 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 6.0 | 8.3 | 8.3 | 7.5 | 7.4 | 7.0 | 6.5 | 5.6 | 5.9 | 3.8 | 3.5 | 3.3 | 3.3 | 8.3 | 0.0 | 4.7 | |
| 12/17/09 | 3.3 | 4.1 | 3.2 | 3.5 | 4.2 | 5.1 | 3.4 | 5.3 | 5.4 | 6.8 | 7.5 | 6.7 | 6.2 | 5.7 | 4.7 | 4.5 | 4.4 | 2.4 | 2.0 | 3.1 | 3.2 | 2.8 | 2.5 | 3.1 | 7.5 | 2.0 | 4.3 |
| 12/18/09 | 3.1 | 2.6 | 3.1 | 5.2 | 3.5 | 3.7 | 4.8 | 5.0 | 4.0 | 6.4 | 4.7 | 5.3 | 5.5 | 4.6 | 3.7 | 3.5 | 1.2 | 0.9 | 1.4 | 1.5 | 5.4 | 5.4 | 8.9 | 9.0 | 9.0 | 0.9 | 4.3 |
| 12/19/09 | 10.7 | 10.2 | 9.4 | 10.9 | 10.3 | 7.2 | 6.5 | 7.3 | 8.8 | 9.1 | 10.3 | 9.7 | 7.8 | 8.0 | 8.6 | 9.2 | 7.2 | 5.9 | 8.2 | 8.8 | 8.8 | 6.6 | 5.3 | 10.9 | 5.3 | 8.5 | |
| 12/20/09 | 5.1 | 5.6 | 4.3 | 4.4 | 4.0 | 4.0 | 4.2 | 5.5 | 4.5 | 6.0 | 5.9 | 6.4 | 6.0 | 4.4 | 3.3 | 3.1 | 3.1 | 2.3 | 1.7 | 1.6 | 1.5 | 1.7 | 1.2 | 1.6 | 6.4 | 1.2 | 3.8 |
| 12/21/09 | 1.3 | 1.7 | 1.4 | 1.6 | 1.7 | 1.9 | 1.7 | 1.6 | 2.0 | 2.5 | 2.7 | 2.8 | 2.0 | 1.2 | 1.9 | 1.2 | 0.5 | 1.0 | 1.2 | 0.9 | 0.9 | 1.6 | 0.5 | 0.8 | 2.8 | 0.5 | 1.5 |
| 12/22/09 | 1.2 | 0.7 | 0.8 | 0.4 | 0.1 | 0.9 | 3.4 | 3.8 | 2.8 | 3.8 | 2.6 | 4.0 | 4.6 | 5.4 | 6.1 | 5.9 | 3.5 | 4.2 | 4.6 | 4.9 | 3.8 | 2.2 | 2.5 | 2.6 | 6.1 | 0.1 | 3.1 |
| 12/23/09 | 0.9 | 2.3 | 2.7 | 1.4 | 1.2 | 1.5 | 1.5 | 2.2 | 1.4 | 2.3 | 2.8 | 3.3 | 2.5 | 2.1 | 2.7 | 2.2 | 3.7 | 3.4 | 2.3 | 3.2 | 2.6 | 2.8 | 2.1 | 2.0 | 3.7 | 0.9 | 2.3 |
| 12/24/09 | 2.3 | 1.2 | 1.0 | 0.3 | 1.0 | 0.9 | 1.1 | 1.9 | 3.2 | 5.0 | 7.8 | 7.8 | 5.8 | 4.7 | 3.6 | 3.4 | 3.1 | 1.5 | 1.6 | 1.5 | 1.8 | 2.3 | 4.8 | 5.0 | 7.8 | 0.3 | 3.0 |
| 12/25/09 | 4.3 | 3.0 | 2.8 | 2.6 | 2.2 | 2.3 | 2.2 | 2.4 | 1.5 | 2.4 | 2.3 | 2.4 | 3.1 | 3.4 | 3.3 | 3.4 | 3.1 | 2.8 | 2.1 | 0.8 | 1.6 | 1.8 | 2.2 | 3.2 | 4.3 | 0.8 | 2.5 |
| 12/26/09 | 3.5 | 5.5 | 6.6 | 5.5 | 7.5 | 8.0 | 8.3 | 8.8 | 8.4 | 7.8 | 6.5 | 6.4 | 6.7 | 4.4 | 3.2 | 2.8 | 3.0 | 2.1 | 1.6 | 2.1 | 1.9 | 2.1 | 3.0 | 2.7 | 8.8 | 1.6 | 4.9 |
| 12/27/09 | 2.9 | 3.0 | 3.0 | 2.9 | 2.6 | 2.8 | 2.5 | 2.3 | 3.5 | 4.4 | 4.9 | 5.4 | 5.0 | 4.4 | 4.2 | 2.5 | 2.6 | 0.8 | 1.5 | 1.8 | 2.3 | 5.5 | 6.5 | 6.0 | 6.5 | 0.8 | 3.5 |
| 12/28/09 | 7.0 | 6.8 | 6.6 | 6.6 | 6.3 | 7.9 | 9.4 | 4.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 6.6 | 6.6 | 6.8 | 7.0 | 6.3 | 5.1 | 4.8 | 4.0 | 4.3 | 3.4 | 9.4 | 0.0 | 4.7 |
| 12/29/09 | 3.7 | 3.7 | 4.1 | 3.8 | 3.1 | 4.1 | 3.5 | 3.4 | 3.6 | 3.0 | 2.8 | 3.0 | 2.5 | 3.0 | 2.6 | 2.4 | 2.3 | 2.1 | 0.7 | 0.3 | 0.7 | 0.6 | 0.9 | 2.1 | 4.1 | 0.3 | 2.6 |
| 12/30/09 | 0.7 | 0.5 | 0.5 | 0.2 | 0.6 | 0.0 | 0.3 | 0.3 | 0.3 | 1.4 | 3.0 | 3.1 | 2.9 | 3.9 | 4.3 | 3.9 | 3.1 | 1.9 | 3.1 | 2.9 | 3.8 | 3.7 | 3.6 | 2.4 | 4.3 | 0.0 | 2.1 |
| 12/31/09 | 1.3 | 0.0 | 0.0 | 0.0 | 0.3 | 1.8 | 4.9 | 8.8 | 8.0 | 9.3 | 6.1 | 6.9 | 6.3 | 8.4 | 8.7 | 6.6 | 7.2 | 6.3 | 6.5 | 6.9 | 7.2 | 4.2 | 0.0 | 0.0 | 9.3 | 0.0 | 4.8 |

Hourly Averages

3.0 3.0 3.0 2.8 2.7 2.9 3.0 2.9 2.9 3.6 4.1 4.3 4.1 3.9 3.8 3.6 3.2 2.7 2.6 2.6 2.8 2.9 3.0 2.9

Maximum Hourly Wind Speed: 12.4 Minimum Hourly Wind Speed: 0.0 Average Monthly Wind Speed: 3.2

Maximum 24-Hour Mean: 8.5 Minimum 24-Hour Mean: 0.3

Total Number of Observations: 744 Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE
DECEMBER 2009

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 | |
| 12/01/09 | 117 | 109 | 133 | 166 | 129 | 122 | 148 | 183 | 135 | 136 | 259 | 252 | 258 | 247 | 264 | 260 | 274 | 284 | 274 | 312 | 251 | 295 | 337 | 292 | |
| 12/02/09 | 74 | 247 | 255 | 248 | 215 | 188 | 178 | 112 | 130 | 103 | 227 | 247 | 233 | 226 | 236 | 251 | 239 | 201 | 239 | 328 | 277 | 272 | 283 | 287 | |
| 12/03/09 | 284 | 265 | 177 | 213 | 150 | 167 | 185 | 189 | 124 | 186 | 249 | 248 | 280 | 257 | 237 | 228 | 233 | 265 | 284 | 315 | 45 | 44 | 40 | 38 | |
| 12/04/09 | 38 | 35 | 37 | 37 | 36 | 41 | 56 | 69 | 63 | 86 | 62 | 46 | 49 | 40 | 39 | 38 | 40 | 75 | 92 | 65 | 77 | 79 | 106 | 122 | |
| 12/05/09 | 113 | 90 | 77 | 88 | 91 | 84 | 82 | 83 | 84 | 83 | 111 | 110 | 134 | 212 | 229 | 222 | 217 | 233 | 232 | 216 | 218 | 221 | 218 | 224 | |
| 12/06/09 | 224 | 221 | 218 | 196 | 146 | 198 | 213 | 246 | 222 | 222 | 229 | 229 | 227 | 217 | 227 | 223 | 223 | 229 | 214 | 215 | 223 | 219 | 225 | 217 | |
| 12/07/09 | 221 | 222 | 224 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 12/08/09 | 0 | 0 | 0 | 169 | 153 | 297 | 286 | 275 | 240 | 234 | 212 | 217 | 208 | 215 | 215 | 230 | 225 | 229 | 245 | 266 | 228 | 267 | 275 | | |
| 12/09/09 | 279 | 270 | 258 | 247 | 231 | 221 | 241 | 291 | 268 | 282 | 235 | 234 | 268 | 248 | 244 | 213 | 236 | 254 | 274 | 277 | 166 | 178 | 158 | 128 | |
| 12/10/09 | 154 | 133 | 151 | 145 | 140 | 127 | 131 | 136 | 115 | 89 | 125 | 136 | 149 | 267 | 238 | 204 | 220 | 286 | 149 | 193 | 186 | 166 | 145 | 138 | |
| 12/11/09 | 160 | 170 | 173 | 175 | 175 | 160 | 119 | 160 | 131 | 118 | 135 | 121 | 128 | 248 | 273 | 264 | 256 | 260 | 264 | 168 | 210 | 175 | 201 | 205 | |
| 12/12/09 | 179 | 251 | 170 | 215 | 187 | 182 | 185 | 136 | 141 | 131 | 100 | 240 | 217 | 237 | 269 | 261 | 236 | 144 | 132 | 152 | 138 | 140 | 113 | 166 | |
| 12/13/09 | 153 | 108 | 117 | 101 | 66 | 166 | 145 | 56 | 88 | 156 | 196 | 207 | 213 | 212 | 168 | 108 | 230 | 243 | 277 | 295 | 263 | 293 | 281 | 279 | |
| 12/14/09 | 39 | 199 | 176 | 186 | 0 | 260 | 245 | 268 | 272 | 260 | 247 | 246 | 230 | 274 | 272 | 222 | 229 | 249 | 276 | 286 | 115 | 142 | 54 | 60 | |
| 12/15/09 | 65 | 88 | 99 | 108 | 51 | 46 | 56 | 74 | 51 | 49 | 50 | 51 | 53 | 44 | 40 | 48 | 45 | 59 | 62 | 67 | 60 | 58 | 70 | 73 | |
| 12/16/09 | 59 | 54 | 56 | 52 | 0 | 0 | 0 | 0 | 0 | 68 | 85 | 47 | 48 | 47 | 41 | 41 | 44 | 46 | 46 | 66 | 73 | 66 | 104 | 78 | |
| 12/17/09 | 80 | 75 | 78 | 68 | 76 | 59 | 73 | 55 | 60 | 51 | 45 | 47 | 43 | 40 | 36 | 43 | 38 | 76 | 108 | 99 | 130 | 143 | 153 | 128 | |
| 12/18/09 | 120 | 99 | 85 | 72 | 109 | 123 | 144 | 135 | 102 | 51 | 64 | 58 | 39 | 39 | 49 | 39 | 234 | 125 | 126 | 162 | 57 | 68 | 37 | 30 | |
| 12/19/09 | 34 | 31 | 40 | 38 | 42 | 76 | 104 | 71 | 51 | 52 | 50 | 48 | 44 | 45 | 46 | 55 | 61 | 61 | 52 | 50 | 46 | 42 | 54 | 69 | |
| 12/20/09 | 71 | 62 | 64 | 81 | 87 | 65 | 68 | 54 | 60 | 52 | 48 | 42 | 35 | 50 | 70 | 70 | 58 | 75 | 117 | 152 | 158 | 155 | 133 | 140 | |
| 12/21/09 | 137 | 133 | 129 | 154 | 155 | 151 | 154 | 148 | 128 | 117 | 72 | 115 | 121 | 138 | 246 | 259 | 237 | 169 | 219 | 206 | 168 | 206 | 117 | 213 | |
| 12/22/09 | 197 | 139 | 95 | 48 | 41 | 185 | 198 | 192 | 187 | 186 | 176 | 202 | 195 | 204 | 202 | 187 | 212 | 279 | 281 | 297 | 291 | 316 | 215 | 223 | |
| 12/23/09 | 214 | 226 | 224 | 219 | 238 | 238 | 241 | 230 | 242 | 257 | 267 | 269 | 239 | 237 | 250 | 276 | 263 | 268 | 305 | 261 | 286 | 325 | 263 | 244 | |
| 12/24/09 | 266 | 278 | 249 | 197 | 256 | 150 | 177 | 141 | 116 | 77 | 45 | 45 | 37 | 44 | 58 | 58 | 53 | 43 | 105 | 111 | 126 | 107 | 83 | 103 | |
| 12/25/09 | 102 | 131 | 142 | 159 | 174 | 177 | 171 | 170 | 136 | 103 | 103 | 271 | 265 | 259 | 264 | 263 | 270 | 274 | 285 | 208 | 185 | 124 | 101 | 74 | |
| 12/26/09 | 62 | 45 | 40 | 53 | 38 | 32 | 35 | 34 | 34 | 39 | 43 | 45 | 38 | 38 | 44 | 42 | 40 | 72 | 137 | 129 | 124 | 106 | 71 | 129 | |
| 12/27/09 | 128 | 128 | 121 | 126 | 135 | 117 | 118 | 109 | 78 | 62 | 54 | 48 | 45 | 40 | 43 | 43 | 53 | 81 | 123 | 123 | 97 | 51 | 46 | 53 | |
| 12/28/09 | 50 | 51 | 55 | 54 | 57 | 47 | 46 | 50 | 0 | 0 | 0 | 0 | 0 | 50 | 67 | 49 | 44 | 44 | 48 | 60 | 69 | 74 | 57 | 73 | |
| 12/29/09 | 68 | 74 | 77 | 82 | 84 | 62 | 64 | 85 | 79 | 92 | 102 | 95 | 138 | 213 | 219 | 219 | 232 | 233 | 234 | 217 | 207 | 120 | 231 | 216 | |
| 12/30/09 | 264 | 174 | 174 | 230 | 162 | 80 | 92 | 110 | 119 | 123 | 198 | 224 | 220 | 216 | 221 | 203 | 191 | 120 | 354 | 276 | 284 | 298 | 301 | 293 | |
| 12/31/09 | 291 | 0 | 0 | 0 | 111 | 102 | 69 | 42 | 44 | 39 | 56 | 61 | 69 | 55 | 52 | 55 | 53 | 53 | 52 | 48 | 45 | 39 | 0 | 0 | |
| Hourly Averages | | 137 | 132 | 126 | 121 | 115 | 122 | 130 | 126 | 114 | 113 | 125 | 135 | 137 | 150 | 157 | 150 | 161 | 162 | 180 | 181 | 156 | 153 | 144 | 147 |
| Total Number of Observations: 744 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

OCTOBER 2009

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 |
| 10/01/09 | 60 | 45 | 53 | 24 | 32 | 29 | 20 | 27 | 13 | 12 | 15 | 59 | 79 | 66 | 68 | 73 | 68 | 52 | 37 | 23 | 19 | 14 | 12 | 14 |
| 10/02/09 | 26 | 28 | 34 | 30 | 26 | 9 | 13 | 17 | 19 | 68 | 39 | 47 | 47 | 59 | 66 | 64 | 62 | 79 | 49 | 88 | 29 | 33 | 83 | 35 |
| 10/03/09 | 21 | 20 | 34 | 23 | 41 | 50 | 30 | 25 | 64 | 70 | 55 | 35 | 39 | 97 | 75 | 73 | 62 | 54 | 44 | 34 | 17 | 17 | 17 | 19 |
| 10/04/09 | 13 | 25 | 20 | 16 | 18 | 13 | 16 | 22 | 16 | 21 | 21 | 22 | 41 | 42 | 43 | 39 | 43 | 42 | 45 | 38 | 33 | 23 | 26 | 30 |
| 10/05/09 | 28 | 24 | 40 | 41 | 18 | 14 | 22 | 21 | 27 | 36 | 71 | 64 | 60 | 90 | 86 | 67 | 86 | 93 | 65 | 38 | 31 | 49 | 48 | 51 |
| 10/06/09 | 31 | 52 | 19 | 26 | 20 | 19 | 28 | 35 | 33 | 36 | 25 | 38 | 61 | 53 | 51 | 49 | 57 | 65 | 33 | 40 | 20 | 15 | 16 | 47 |
| 10/07/09 | 55 | 50 | 48 | 57 | 82 | 47 | 39 | 60 | 38 | 46 | 47 | 54 | 57 | 68 | 86 | 82 | 82 | 87 | 54 | 38 | 31 | 30 | 23 | 24 |
| 10/08/09 | 32 | 38 | 25 | 29 | 35 | 43 | 52 | 15 | 22 | 29 | 38 | 63 | 62 | 63 | 79 | 58 | 64 | 65 | 56 | 55 | 24 | 35 | 23 | 30 |
| 10/09/09 | 65 | 34 | 66 | 25 | 48 | 28 | 19 | 29 | 22 | 56 | 21 | 26 | 35 | 50 | 48 | 42 | 43 | 27 | 24 | 14 | 28 | 56 | 59 | 54 |
| 10/10/09 | 24 | 24 | 31 | 26 | 33 | 21 | 16 | 11 | 25 | 36 | 23 | 33 | 56 | 44 | 74 | 66 | 57 | 49 | 32 | 23 | 8 | 16 | 16 | 8 |
| 10/11/09 | 18 | 27 | 12 | 15 | 17 | 25 | 29 | 18 | 69 | 27 | 46 | 54 | 66 | 68 | 44 | 47 | 61 | 48 | 66 | 37 | 15 | 42 | 17 | 14 |
| 10/12/09 | 19 | 59 | 35 | 45 | 62 | 59 | 36 | 25 | 30 | 20 | 21 | 27 | 39 | 29 | 23 | 29 | 35 | 54 | 47 | 54 | 47 | 49 | 61 | 54 |
| 10/13/09 | 40 | 30 | 45 | 44 | 37 | 46 | 26 | 32 | 29 | 40 | 58 | 48 | 51 | 92 | 61 | 78 | 63 | 73 | 24 | 14 | 28 | 20 | 52 | 31 |
| 10/14/09 | 16 | 10 | 10 | 64 | 28 | 41 | 27 | 19 | 22 | 40 | 37 | 55 | 67 | 66 | 58 | 47 | 66 | 86 | 59 | 27 | 20 | 63 | 53 | 42 |
| 10/15/09 | 66 | 39 | 36 | 35 | 16 | 22 | 17 | 16 | 30 | 21 | 27 | 78 | 33 | 33 | 35 | 47 | 31 | 22 | 13 | 13 | 59 | 23 | 50 | 35 |
| 10/16/09 | 22 | 33 | 16 | 16 | 17 | 17 | 25 | 23 | 13 | 13 | 13 | 13 | 19 | 54 | 38 | 24 | 19 | 11 | 40 | 34 | 23 | 27 | 16 | 21 |
| 10/17/09 | 20 | 17 | 18 | 15 | 16 | 16 | 16 | 14 | 10 | 12 | 21 | 20 | 27 | 21 | 28 | 32 | 21 | 21 | 13 | 21 | 18 | 21 | 17 | 13 |
| 10/18/09 | 14 | 15 | 19 | 14 | 19 | 20 | 19 | 15 | 16 | 19 | 21 | 30 | 62 | 56 | 75 | 60 | 68 | 69 | 42 | 29 | 16 | 22 | 58 | 79 |
| 10/19/09 | 57 | 32 | 16 | 19 | 16 | 70 | 14 | 12 | 27 | 29 | 31 | 42 | 40 | 67 | 51 | 52 | 58 | 38 | 22 | 20 | 19 | 18 | 25 | 19 |
| 10/20/09 | 20 | 13 | 14 | 18 | 18 | 18 | 22 | 24 | 29 | 79 | 79 | 97 | 68 | 80 | 75 | 90 | 90 | 76 | 58 | 92 | 44 | 41 | 71 | 24 |
| 10/21/09 | 48 | 22 | 24 | 17 | 12 | 22 | 21 | 37 | 93 | 49 | 57 | 29 | 33 | 35 | 41 | 51 | 39 | 35 | 21 | 20 | 35 | 50 | 45 | 35 |
| 10/22/09 | 18 | 27 | 44 | 15 | 15 | 17 | 38 | 18 | 21 | 74 | 25 | 36 | 42 | 44 | 46 | 51 | 46 | 33 | 56 | 16 | 23 | 88 | 56 | 42 |
| 10/23/09 | 19 | 18 | 22 | 39 | 11 | 11 | 11 | 13 | 11 | 14 | 16 | 31 | 40 | 63 | 27 | 44 | 56 | 32 | 19 | 23 | 25 | 21 | 40 | 19 |
| 10/24/09 | 41 | 58 | 47 | 46 | 39 | 37 | 24 | 16 | 64 | 31 | 29 | 40 | 41 | 38 | 40 | 54 | 57 | 43 | 51 | 46 | 12 | 18 | 34 | 33 |
| 10/25/09 | 58 | 42 | 51 | 9 | 43 | 41 | 8 | 16 | 64 | 47 | 27 | 31 | 51 | 47 | 49 | 65 | 77 | 41 | 21 | 58 | 10 | 19 | 17 | 12 |
| 10/26/09 | 11 | 10 | 11 | 9 | 9 | 10 | 11 | 12 | 27 | 23 | 16 | 17 | 18 | 15 | 26 | 20 | 31 | 38 | 36 | 22 | 26 | 29 | 13 | |
| 10/27/09 | 12 | 17 | 16 | 12 | 25 | 22 | 19 | 12 | 23 | 27 | 25 | 23 | 31 | 45 | 39 | 40 | 36 | 29 | 33 | 25 | 27 | 93 | 98 | 60 |
| 10/28/09 | 68 | 79 | 68 | 74 | 61 | 93 | 98 | 76 | 86 | 74 | 54 | 67 | 79 | 74 | 97 | 84 | 80 | 89 | 90 | 76 | 36 | 50 | 34 | 25 |
| 10/29/09 | 24 | 24 | 21 | 24 | 55 | 45 | 44 | 63 | 63 | 23 | 34 | 50 | 43 | 55 | 45 | 52 | 50 | 49 | 66 | 35 | 28 | 27 | 32 | 20 |
| 10/30/09 | 9 | 26 | 17 | 12 | 17 | 12 | 28 | 28 | 22 | 38 | 88 | 37 | 35 | 35 | 30 | 20 | 33 | 23 | 16 | 66 | 30 | 20 | 19 | 23 |
| 10/31/09 | 19 | 15 | 16 | 17 | 17 | 12 | 12 | 23 | 12 | 10 | 12 | 11 | 12 | 13 | 21 | 15 | 11 | 51 | 23 | 21 | 23 | 18 | 23 | |

Total Number of Observations: 744

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

NOVEMBER 2009

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 |
| 11/01/09 | 24 | 18 | 22 | 24 | 15 | 18 | 13 | 20 | 22 | 16 | 12 | 17 | 53 | 59 | 33 | 25 | 22 | 13 | 12 | 26 | 5 | 24 | 19 | 17 |
| 11/02/09 | 13 | 14 | 12 | 13 | 15 | 21 | 15 | 17 | 17 | 20 | 21 | 23 | 88 | 18 | 21 | 23 | 17 | 10 | 53 | 25 | 24 | 27 | 29 | 19 |
| 11/03/09 | 37 | 26 | 25 | 21 | 19 | 15 | 20 | 17 | 13 | 13 | 11 | 11 | 12 | 12 | 26 | 16 | 11 | 18 | 20 | 18 | 22 | 22 | 22 | 17 |
| 11/04/09 | 22 | 20 | 22 | 17 | 17 | 14 | 0 | 0 | 0 | 4 | 12 | 14 | 31 | 20 | 25 | 20 | 15 | 25 | 25 | 21 | 20 | 30 | 26 | 23 |
| 11/05/09 | 24 | 20 | 20 | 19 | 19 | 16 | 15 | 15 | 16 | 19 | 19 | 19 | 20 | 36 | 65 | 71 | 59 | 33 | 13 | 36 | 19 | 12 | 6 | 27 |
| 11/06/09 | 16 | 17 | 10 | 33 | 18 | 12 | 16 | 15 | 12 | 13 | 21 | 82 | 24 | 17 | 19 | 39 | 21 | 19 | 48 | 15 | 26 | 0 | 12 | 6 |
| 11/07/09 | 8 | 13 | 37 | 18 | 16 | 14 | 12 | 15 | 32 | 38 | 17 | 23 | 60 | 53 | 34 | 81 | 63 | 51 | 23 | 15 | 9 | 27 | 32 | 15 |
| 11/08/09 | 3 | 1 | 5 | 4 | 50 | 13 | 13 | 9 | 16 | 26 | 21 | 48 | 42 | 51 | 48 | 69 | 64 | 48 | 18 | 23 | 26 | 26 | 9 | 9 |
| 11/09/09 | 18 | 21 | 21 | 21 | 22 | 25 | 17 | 14 | 27 | 15 | 27 | 50 | 59 | 52 | 60 | 61 | 38 | 18 | 27 | 23 | 31 | 34 | 31 | 26 |
| 11/10/09 | 25 | 24 | 24 | 19 | 19 | 23 | 20 | 18 | 17 | 13 | 12 | 24 | 23 | 20 | 19 | 35 | 24 | 33 | 18 | 25 | 11 | 14 | 14 | 20 |
| 11/11/09 | 20 | 24 | 21 | 18 | 18 | 17 | 21 | 16 | 15 | 16 | 8 | 0 | 13 | 27 | 38 | 27 | 20 | 19 | 35 | 14 | 21 | 24 | 21 | 32 |
| 11/12/09 | 46 | 13 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| 11/13/09 | 18 | 16 | 15 | 18 | 19 | 18 | 20 | 30 | 25 | 24 | 24 | 27 | 26 | 38 | 44 | 43 | 0 | 0 | 0 | 0 | 25 | 85 | 72 | 22 |
| 11/14/09 | 38 | 62 | 54 | 25 | 25 | 14 | 19 | 26 | 50 | 54 | 31 | 62 | 57 | 37 | 55 | 52 | 64 | 47 | 37 | 21 | 36 | 21 | 48 | 34 |
| 11/15/09 | 13 | 23 | 46 | 43 | 35 | 21 | 55 | 45 | 27 | 27 | 13 | 12 | 19 | 20 | 19 | 20 | 17 | 18 | 16 | 18 | 11 | 11 | 25 | 21 |
| 11/16/09 | 21 | 18 | 23 | 16 | 11 | 11 | 13 | 13 | 13 | 11 | 13 | 12 | 11 | 12 | 12 | 11 | 11 | 12 | 17 | 17 | 16 | 15 | 14 | 13 |
| 11/17/09 | 13 | 15 | 16 | 15 | 11 | 11 | 11 | 14 | 15 | 13 | 12 | 10 | 10 | 9 | 9 | 10 | 11 | 12 | 23 | 19 | 16 | 17 | 21 | 21 |
| 11/18/09 | 21 | 23 | 12 | 12 | 20 | 18 | 18 | 16 | 16 | 16 | 17 | 23 | 42 | 38 | 46 | 43 | 48 | 46 | 50 | 16 | 23 | 23 | 16 | 27 |
| 11/19/09 | 5 | 47 | 17 | 34 | 16 | 43 | 14 | 13 | 26 | 14 | 53 | 20 | 26 | 31 | 48 | 28 | 22 | 14 | 12 | 38 | 22 | 25 | 34 | 27 |
| 11/20/09 | 14 | 20 | 25 | 23 | 18 | 26 | 13 | 14 | 22 | 17 | 12 | 43 | 18 | 29 | 63 | 63 | 49 | 20 | 80 | 16 | 15 | 17 | 19 | 20 |
| 11/21/09 | 18 | 13 | 16 | 15 | 22 | 12 | 22 | 15 | 13 | 20 | 16 | 43 | 28 | 62 | 72 | 79 | 69 | 65 | 38 | 20 | 38 | 66 | 32 | 32 |
| 11/22/09 | 24 | 66 | 24 | 21 | 16 | 13 | 17 | 17 | 18 | 25 | 46 | 26 | 24 | 66 | 57 | 65 | 64 | 76 | 52 | 24 | 24 | 23 | 14 | 19 |
| 11/23/09 | 21 | 18 | 7 | 25 | 14 | 27 | 15 | 17 | 23 | 29 | 69 | 26 | 31 | 30 | 29 | 32 | 26 | 16 | 42 | 36 | 30 | 16 | 12 | 11 |
| 11/24/09 | 11 | 12 | 12 | 12 | 12 | 13 | 20 | 20 | 17 | 14 | 13 | 12 | 12 | 12 | 12 | 10 | 10 | 11 | 10 | 12 | 10 | 11 | 14 | 14 |
| 11/25/09 | 12 | 12 | 13 | 12 | 12 | 11 | 12 | 11 | 11 | 12 | 13 | 11 | 10 | 9 | 11 | 11 | 12 | 20 | 17 | 11 | 11 | 11 | 10 | 11 |
| 11/26/09 | 17 | 12 | 13 | 11 | 10 | 10 | 12 | 19 | 31 | 13 | 11 | 23 | 17 | 17 | 17 | 18 | 16 | 15 | 18 | 18 | 17 | 16 | 20 | 17 |
| 11/27/09 | 21 | 18 | 16 | 13 | 12 | 13 | 13 | 14 | 16 | 15 | 13 | 40 | 22 | 62 | 54 | 66 | 32 | 52 | 63 | 43 | 30 | 23 | 13 | 17 |
| 11/28/09 | 21 | 40 | 17 | 18 | 16 | 14 | 13 | 13 | 16 | 18 | 21 | 20 | 37 | 33 | 44 | 41 | 35 | 40 | 56 | 29 | 66 | 47 | 36 | 23 |
| 11/29/09 | 56 | 51 | 26 | 15 | 23 | 30 | 28 | 22 | 22 | 13 | 16 | 13 | 12 | 41 | 27 | 12 | 13 | 20 | 12 | 28 | 29 | 44 | 28 | 24 |
| 11/30/09 | 23 | 13 | 15 | 11 | 13 | 17 | 15 | 26 | 10 | 13 | 18 | 18 | 18 | 16 | 15 | 17 | 16 | 19 | 20 | 26 | 24 | 20 | 22 | 32 |

Total Number of Observations: 720

Possible Number of Observations: 720

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE
DECEMBER 2009

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 |
| 12/01/09 | 20 | 31 | 35 | 38 | 37 | 51 | 34 | 31 | 20 | 31 | 18 | 18 | 30 | 59 | 45 | 45 | 28 | 36 | 48 | 76 | 56 | 25 | 76 | 30 |
| 12/02/09 | 52 | 22 | 53 | 49 | 22 | 51 | 13 | 16 | 25 | 26 | 72 | 33 | 30 | 40 | 52 | 75 | 64 | 67 | 61 | 74 | 66 | 26 | 37 | 21 |
| 12/03/09 | 20 | 53 | 24 | 17 | 18 | 40 | 19 | 19 | 48 | 50 | 34 | 44 | 66 | 72 | 42 | 55 | 59 | 40 | 25 | 53 | 12 | 11 | 10 | 10 |
| 12/04/09 | 11 | 9 | 10 | 10 | 11 | 10 | 15 | 29 | 25 | 27 | 32 | 12 | 13 | 15 | 23 | 19 | 12 | 25 | 28 | 20 | 22 | 15 | 17 | 11 |
| 12/05/09 | 15 | 20 | 22 | 20 | 16 | 17 | 19 | 22 | 16 | 16 | 24 | 14 | 40 | 31 | 24 | 41 | 38 | 35 | 22 | 23 | 18 | 22 | 15 | 16 |
| 12/06/09 | 19 | 24 | 22 | 74 | 95 | 55 | 42 | 32 | 27 | 31 | 26 | 29 | 25 | 30 | 34 | 27 | 28 | 26 | 20 | 19 | 19 | 18 | 23 | 21 |
| 12/07/09 | 20 | 19 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12/08/09 | 0 | 0 | 0 | 0 | 49 | 94 | 85 | 59 | 48 | 72 | 68 | 66 | 60 | 61 | 41 | 42 | 36 | 20 | 25 | 26 | 47 | 57 | 55 | 28 |
| 12/09/09 | 26 | 30 | 22 | 33 | 17 | 18 | 14 | 14 | 11 | 18 | 32 | 23 | 36 | 38 | 45 | 46 | 48 | 42 | 16 | 48 | 9 | 12 | 36 | 40 |
| 12/10/09 | 20 | 22 | 16 | 20 | 14 | 16 | 10 | 14 | 11 | 14 | 16 | 17 | 51 | 32 | 47 | 33 | 28 | 19 | 16 | 20 | 21 | 15 | 11 | 9 |
| 12/11/09 | 17 | 16 | 14 | 31 | 23 | 23 | 37 | 28 | 26 | 17 | 19 | 33 | 37 | 32 | 17 | 20 | 21 | 20 | 30 | 40 | 3 | 28 | 24 | 1 |
| 12/12/09 | 31 | 22 | 36 | 15 | 33 | 37 | 37 | 25 | 46 | 30 | 35 | 58 | 55 | 53 | 51 | 40 | 31 | 19 | 43 | 15 | 15 | 11 | 26 | 8 |
| 12/13/09 | 30 | 15 | 20 | 35 | 6 | 18 | 18 | 41 | 19 | 29 | 15 | 21 | 25 | 35 | 76 | 84 | 91 | 60 | 68 | 36 | 35 | 46 | 26 | 25 |
| 12/14/09 | 2 | 3 | 9 | 1 | 0 | 15 | 0 | 11 | 20 | 21 | 34 | 31 | 49 | 54 | 62 | 46 | 28 | 24 | 18 | 18 | 39 | 47 | 15 | 16 |
| 12/15/09 | 17 | 21 | 23 | 31 | 21 | 16 | 19 | 25 | 16 | 16 | 15 | 14 | 13 | 11 | 12 | 13 | 14 | 21 | 18 | 19 | 16 | 14 | 21 | 17 |
| 12/16/09 | 16 | 15 | 15 | 10 | 0 | 0 | 0 | 0 | 0 | 17 | 24 | 12 | 12 | 12 | 11 | 10 | 11 | 11 | 12 | 22 | 20 | 19 | 22 | 21 |
| 12/17/09 | 21 | 25 | 27 | 27 | 31 | 22 | 27 | 22 | 22 | 15 | 13 | 13 | 12 | 11 | 13 | 16 | 12 | 31 | 25 | 17 | 16 | 27 | 31 | 29 |
| 12/18/09 | 36 | 40 | 32 | 35 | 24 | 28 | 23 | 17 | 36 | 19 | 22 | 18 | 13 | 14 | 19 | 34 | 51 | 50 | 60 | 38 | 27 | 25 | 12 | 12 |
| 12/19/09 | 10 | 12 | 14 | 11 | 12 | 29 | 17 | 29 | 14 | 13 | 11 | 11 | 12 | 11 | 11 | 13 | 16 | 18 | 11 | 11 | 11 | 11 | 20 | 20 |
| 12/20/09 | 20 | 18 | 22 | 18 | 18 | 21 | 20 | 17 | 19 | 13 | 12 | 12 | 11 | 16 | 22 | 18 | 16 | 21 | 22 | 21 | 16 | 13 | 24 | 21 |
| 12/21/09 | 25 | 29 | 28 | 18 | 18 | 13 | 14 | 20 | 13 | 10 | 19 | 30 | 28 | 29 | 46 | 26 | 15 | 23 | 19 | 38 | 34 | 31 | 21 | 16 |
| 12/22/09 | 21 | 38 | 47 | 14 | 6 | 13 | 14 | 14 | 22 | 19 | 38 | 25 | 28 | 34 | 28 | 73 | 47 | 71 | 42 | 30 | 85 | 58 | 49 | 33 |
| 12/23/09 | 67 | 24 | 25 | 38 | 21 | 21 | 19 | 22 | 25 | 24 | 35 | 28 | 25 | 29 | 32 | 41 | 28 | 17 | 41 | 25 | 45 | 38 | 45 | 22 |
| 12/24/09 | 21 | 32 | 64 | 44 | 17 | 44 | 20 | 28 | 19 | 19 | 14 | 12 | 19 | 26 | 22 | 20 | 21 | 32 | 77 | 21 | 29 | 23 | 14 | 14 |
| 12/25/09 | 20 | 18 | 27 | 17 | 16 | 12 | 13 | 13 | 28 | 18 | 29 | 24 | 15 | 20 | 25 | 26 | 28 | 21 | 22 | 61 | 49 | 26 | 23 | 30 |
| 12/26/09 | 26 | 18 | 12 | 23 | 12 | 11 | 10 | 11 | 13 | 13 | 19 | 16 | 13 | 18 | 28 | 20 | 12 | 46 | 23 | 17 | 30 | 39 | 24 | 26 |
| 12/27/09 | 15 | 15 | 22 | 16 | 17 | 17 | 17 | 25 | 26 | 19 | 16 | 14 | 13 | 12 | 15 | 19 | 19 | 30 | 31 | 20 | 26 | 18 | 12 | 16 |
| 12/28/09 | 14 | 14 | 15 | 16 | 18 | 12 | 12 | 8 | 0 | 0 | 0 | 0 | 0 | 5 | 18 | 13 | 13 | 11 | 10 | 18 | 19 | 21 | 15 | 19 |
| 12/29/09 | 21 | 18 | 15 | 18 | 18 | 18 | 20 | 16 | 13 | 17 | 21 | 22 | 37 | 34 | 36 | 42 | 32 | 29 | 41 | 23 | 41 | 57 | 33 | 17 |
| 12/30/09 | 30 | 22 | 26 | 8 | 30 | 2 | 32 | 33 | 32 | 29 | 27 | 26 | 43 | 36 | 42 | 34 | 35 | 56 | 80 | 87 | 36 | 26 | 24 | 25 |
| 12/31/09 | 14 | 0 | 0 | 0 | 8 | 49 | 23 | 12 | 12 | 12 | 20 | 19 | 20 | 18 | 15 | 16 | 12 | 13 | 14 | 12 | 15 | 8 | 0 | 0 |

Total Number of Observations: 744

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

OCTOBER 2009

10-METER TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 10/01/09 | 18.1 | 17.1 | 17.3 | 16.4 | 15.8 | 15.3 | 14.4 | 15.8 | 16.6 | 17.5 | 19.0 | 20.6 | 21.9 | 23.0 | 23.7 | 24.0 | 23.9 | 23.1 | 21.8 | 21.0 | 20.2 | 18.9 | 18.3 | 18.3 | 24.0 | 14.4 | 19.2 |
| 10/02/09 | 18.2 | 17.2 | 18.7 | 17.4 | 15.8 | 16.0 | 15.4 | 15.8 | 18.3 | 20.4 | 21.0 | 22.0 | 22.8 | 23.6 | 23.7 | 23.6 | 23.2 | 22.5 | 21.9 | 21.6 | 21.3 | 21.1 | 19.7 | 19.8 | 23.7 | 15.4 | 20.0 |
| 10/03/09 | 20.0 | 19.7 | 18.2 | 17.2 | 16.3 | 15.8 | 14.6 | 14.7 | 16.6 | 18.2 | 18.7 | 19.4 | 20.5 | 21.3 | 21.9 | 22.0 | 21.6 | 21.0 | 20.3 | 19.6 | 19.4 | 19.2 | 18.5 | 17.5 | 22.0 | 14.6 | 18.8 |
| 10/04/09 | 16.8 | 16.6 | 16.3 | 16.0 | 15.8 | 15.7 | 15.7 | 15.7 | 16.5 | 17.2 | 18.7 | 20.1 | 21.0 | 21.9 | 22.5 | 22.9 | 23.0 | 22.2 | 21.5 | 20.4 | 19.5 | 18.6 | 17.8 | 17.4 | 23.0 | 15.7 | 18.8 |
| 10/05/09 | 17.2 | 16.3 | 15.4 | 14.8 | 14.4 | 14.3 | 14.1 | 14.2 | 14.7 | 15.4 | 16.0 | 16.7 | 16.8 | 17.0 | 18.1 | 18.7 | 18.6 | 18.0 | 17.2 | 16.5 | 16.0 | 15.1 | 15.0 | 14.8 | 18.7 | 14.1 | 16.0 |
| 10/06/09 | 14.5 | 14.3 | 13.9 | 14.3 | 14.4 | 14.0 | 13.7 | 14.4 | 17.4 | 19.0 | 19.0 | 19.7 | 20.2 | 20.4 | 21.0 | 21.3 | 21.1 | 20.4 | 19.6 | 19.0 | 19.0 | 18.8 | 17.3 | 16.4 | 21.3 | 13.7 | 17.6 |
| 10/07/09 | 15.8 | 16.2 | 15.1 | 15.5 | 14.8 | 15.1 | 15.0 | 15.5 | 16.1 | 16.1 | 15.7 | 16.3 | 16.7 | 17.5 | 17.7 | 18.0 | 18.1 | 17.7 | 16.7 | 15.7 | 15.5 | 15.1 | 14.9 | 14.6 | 18.1 | 14.6 | 16.0 |
| 10/08/09 | 13.1 | 13.7 | 13.4 | 12.9 | 12.5 | 11.8 | 11.6 | 12.0 | 13.0 | 13.6 | 14.9 | 15.9 | 16.7 | 17.0 | 17.5 | 17.5 | 17.3 | 17.0 | 16.5 | 16.2 | 16.1 | 16.0 | 15.9 | 15.7 | 17.5 | 11.6 | 14.9 |
| 10/09/09 | 14.5 | 15.1 | 13.7 | 12.7 | 12.4 | 12.5 | 12.4 | 13.0 | 15.4 | 17.3 | 17.8 | 18.8 | 19.7 | 20.1 | 20.7 | 20.8 | 20.7 | 19.9 | 19.0 | 18.5 | 18.2 | 18.3 | 17.4 | 16.9 | 20.8 | 12.4 | 16.9 |
| 10/10/09 | 15.9 | 15.3 | 15.6 | 14.6 | 14.4 | 13.8 | 14.6 | 18.2 | 20.1 | 21.0 | 22.1 | 22.8 | 23.0 | 22.9 | 22.6 | 22.1 | 21.4 | 20.6 | 20.2 | 19.8 | 19.9 | 18.0 | 18.2 | 23.0 | 13.8 | 18.8 | |
| 10/11/09 | 18.2 | 17.6 | 17.4 | 16.8 | 15.9 | 15.0 | 15.3 | 16.2 | 17.5 | 18.4 | 18.9 | 19.9 | 20.5 | 21.1 | 21.5 | 21.5 | 21.0 | 20.6 | 20.1 | 19.7 | 19.3 | 18.3 | 18.5 | 18.9 | 21.5 | 15.0 | 18.7 |
| 10/12/09 | 18.4 | 16.9 | 15.9 | 15.0 | 14.9 | 14.7 | 13.8 | 15.1 | 16.5 | 17.8 | 18.7 | 20.0 | 20.7 | 21.8 | 22.4 | 22.8 | 22.5 | 21.7 | 21.0 | 20.4 | 19.6 | 18.5 | 17.8 | 17.1 | 22.8 | 13.8 | 18.5 |
| 10/13/09 | 16.4 | 15.7 | 14.7 | 14.0 | 13.5 | 13.2 | 13.1 | 13.4 | 14.0 | 15.0 | 16.1 | 17.6 | 18.5 | 19.6 | 20.3 | 20.2 | 20.2 | 19.5 | 18.9 | 18.5 | 18.4 | 17.5 | 17.8 | 20.3 | 13.1 | 16.8 | |
| 10/14/09 | 17.6 | 17.1 | 16.9 | 15.5 | 14.7 | 14.7 | 14.1 | 14.6 | 17.2 | 19.0 | 19.6 | 20.3 | 20.9 | 21.4 | 21.9 | 22.2 | 22.0 | 21.1 | 20.3 | 19.8 | 19.5 | 18.6 | 17.6 | 18.7 | 22.2 | 14.1 | 18.5 |
| 10/15/09 | 17.4 | 18.1 | 16.7 | 16.1 | 15.5 | 15.3 | 15.3 | 16.7 | 19.4 | 21.2 | 22.6 | 23.6 | 24.2 | 24.5 | 25.0 | 25.0 | 24.6 | 23.8 | 22.9 | 22.5 | 21.3 | 22.1 | 22.6 | 20.4 | 25.0 | 15.3 | 20.7 |
| 10/16/09 | 20.4 | 19.9 | 18.7 | 18.6 | 18.4 | 18.3 | 19.0 | 21.6 | 22.7 | 23.7 | 24.8 | 26.3 | 27.8 | 28.6 | 29.0 | 29.1 | 29.1 | 28.4 | 27.1 | 25.9 | 25.0 | 23.8 | 24.4 | 23.8 | 29.1 | 18.3 | 23.9 |
| 10/17/09 | 22.9 | 22.1 | 22.1 | 22.7 | 21.8 | 21.5 | 21.3 | 22.2 | 23.7 | 25.1 | 26.8 | 27.8 | 28.4 | 29.0 | 29.3 | 29.6 | 29.4 | 28.5 | 26.5 | 25.4 | 24.7 | 24.1 | 23.9 | 24.1 | 29.6 | 21.3 | 25.1 |
| 10/18/09 | 23.8 | 23.3 | 21.8 | 20.8 | 20.3 | 19.8 | 19.5 | 20.0 | 22.0 | 23.7 | 24.9 | 26.2 | 27.2 | 28.0 | 28.4 | 28.3 | 27.8 | 26.9 | 26.5 | 26.1 | 24.6 | 24.6 | 24.5 | 24.0 | 28.4 | 19.5 | 24.3 |
| 10/19/09 | 23.3 | 23.0 | 22.5 | 22.0 | 21.5 | 20.2 | 19.1 | 19.2 | 20.9 | 21.8 | 22.7 | 23.4 | 23.8 | 24.5 | 25.0 | 25.3 | 25.1 | 24.7 | 24.1 | 23.8 | 23.2 | 22.5 | 21.5 | 20.3 | 25.3 | 19.1 | 22.6 |
| 10/20/09 | 20.0 | 19.4 | 18.9 | 18.3 | 17.7 | 17.4 | 16.9 | 16.3 | 15.7 | 14.9 | 16.0 | 16.2 | 16.6 | 17.0 | 16.9 | 16.8 | 16.4 | 16.0 | 15.7 | 15.2 | 14.7 | 14.3 | 14.1 | 14.0 | 20.0 | 14.0 | 16.5 |
| 10/21/09 | 13.3 | 11.7 | 11.3 | 11.8 | 11.8 | 11.3 | 10.7 | 12.0 | 13.7 | 15.1 | 15.7 | 16.6 | 17.3 | 18.1 | 18.5 | 18.4 | 18.1 | 17.5 | 17.1 | 16.9 | 16.7 | 16.5 | 15.7 | 15.6 | 18.5 | 10.7 | 15.0 |
| 10/22/09 | 15.7 | 15.3 | 15.1 | 14.0 | 13.6 | 12.9 | 12.9 | 13.3 | 15.9 | 17.9 | 18.5 | 19.3 | 19.5 | 20.1 | 20.3 | 20.1 | 19.9 | 19.2 | 18.5 | 18.2 | 18.1 | 17.4 | 17.3 | 16.5 | 20.3 | 12.9 | 17.0 |
| 10/23/09 | 15.9 | 16.1 | 15.2 | 15.6 | 17.0 | 16.3 | 15.7 | 16.4 | 17.0 | 18.0 | 18.9 | 19.9 | 20.8 | 21.9 | 22.2 | 22.0 | 21.5 | 20.4 | 19.7 | 19.3 | 19.1 | 19.0 | 18.5 | 19.1 | 22.2 | 15.2 | 18.6 |
| 10/24/09 | 18.7 | 18.3 | 18.5 | 17.1 | 15.6 | 15.6 | 14.3 | 15.6 | 17.0 | 18.3 | 18.9 | 20.0 | 20.8 | 21.2 | 21.6 | 21.7 | 21.4 | 20.7 | 20.0 | 19.6 | 19.7 | 19.9 | 19.7 | 19.3 | 21.7 | 14.3 | 18.9 |
| 10/25/09 | 19.4 | 17.6 | 17.4 | 17.5 | 17.1 | 15.8 | 15.8 | 17.1 | 18.6 | 19.7 | 19.9 | 20.9 | 21.4 | 21.7 | 22.2 | 22.2 | 21.9 | 21.1 | 20.5 | 19.4 | 18.5 | 18.0 | 17.0 | 17.0 | 22.2 | 15.8 | 19.1 |
| 10/26/09 | 16.9 | 16.5 | 16.1 | 15.6 | 14.6 | 13.7 | 13.0 | 13.3 | 13.7 | 14.5 | 15.9 | 17.1 | 18.3 | 19.1 | 19.9 | 20.5 | 20.4 | 19.7 | 18.5 | 17.4 | 16.1 | 15.6 | 15.6 | 14.4 | 20.5 | 13.0 | 16.5 |
| 10/27/09 | 14.2 | 14.1 | 12.6 | 12.5 | 13.5 | 13.2 | 12.2 | 12.4 | 13.7 | 15.0 | 16.8 | 17.5 | 18.6 | 20.0 | 20.4 | 20.8 | 20.5 | 19.8 | 19.1 | 18.2 | 17.6 | 15.9 | 14.2 | 12.6 | 20.8 | 12.2 | 16.1 |
| 10/28/09 | 11.0 | 10.0 | 8.6 | 7.6 | 6.6 | 5.1 | 3.9 | 3.4 | 3.8 | 4.5 | 5.0 | 5.5 | 5.8 | 6.0 | 5.8 | 5.5 | 5.6 | 5.4 | 5.1 | 4.8 | 4.3 | 4.0 | 3.9 | 3.5 | 11.0 | 3.4 | 5.6 |
| 10/29/09 | 3.6 | 3.4 | 3.1 | 3.0 | 2.4 | 1.7 | 1.3 | 2.2 | 3.8 | 4.6 | 5.5 | 6.5 | 7.2 | 7.4 | 7.5 | 7.7 | 7.8 | 7.3 | 7.0 | 6.8 | 6.6 | 6.6 | 6.4 | 7.8 | 1.3 | 5.2 | |
| 10/30/09 | 5.1 | 4.5 | 4.2 | 3.9 | 3.8 | 3.8 | 2.5 | 2.7 | 5.8 | 7.8 | 8.4 | 9.1 | 9.9 | 10.9 | 11.6 | 11.9 | 11.6 | 10.8 | 10.5 | 9.5 | 9.5 | 10.8 | 10.2 | 10.5 | 11.9 | 2.5 | 7.9 |
| 10/31/09 | 10.4 | 10.5 | 10.5 | 9.8 | 9.8 | 10.4 | 11.3 | 12.2 | 13.3 | 14.5 | 16.4 | 17.9 | 19.0 | 20.3 | 20.6 | 20.2 | 19.3 | 17.5 | 16.9 | 16.3 | 16.5 | 16.6 | 16.1 | 20.6 | 9.8 | 14.8 | |

Hourly Averages 16.3 15.9 15.3 14.8 14.4 14.0 13.6 14.2 15.7 16.9 17.8 18.8 19.5 20.2 20.6 20.8 20.5 19.9 19.1 18.5 18.0 17.6 17.1 16.8

Maximum Hourly Temperature: 29.6 Minimum Hourly Temperature: 1.3 Average Monthly Temperature: 17.3

Maximum 24-Hour Mean: 25.1 Minimum 24-Hour Mean: 5.2

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

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE
OCTOBER 2009

2-METER TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 10/01/09 | 17.5 | 16.6 | 16.6 | 15.4 | 15.1 | 14.9 | 14.3 | 16.1 | 17.3 | 18.6 | 20.5 | 22.0 | 23.2 | 24.0 | 24.8 | 24.9 | 24.4 | 23.2 | 21.8 | 20.8 | 19.7 | 18.4 | 17.7 | 17.6 | 24.9 | 14.3 | 19.4 |
| 10/02/09 | 16.9 | 16.4 | 18.0 | 16.4 | 15.2 | 15.3 | 14.9 | 15.8 | 19.1 | 21.4 | 21.8 | 23.0 | 23.7 | 24.7 | 24.5 | 24.3 | 23.7 | 22.7 | 21.9 | 21.7 | 21.3 | 19.6 | 19.8 | 24.7 | 14.9 | 20.1 | |
| 10/03/09 | 20.0 | 19.8 | 18.3 | 17.3 | 16.3 | 15.7 | 14.7 | 15.2 | 17.4 | 19.2 | 19.7 | 20.3 | 21.7 | 22.5 | 22.9 | 22.8 | 22.2 | 21.3 | 20.4 | 19.7 | 19.4 | 19.1 | 18.5 | 17.7 | 22.9 | 14.7 | 19.2 |
| 10/04/09 | 17.0 | 16.7 | 16.5 | 16.2 | 16.0 | 15.9 | 15.9 | 16.0 | 17.0 | 17.9 | 19.5 | 21.0 | 21.9 | 22.8 | 23.2 | 23.5 | 23.4 | 22.4 | 21.6 | 20.4 | 19.5 | 18.5 | 17.8 | 17.3 | 23.5 | 15.9 | 19.1 |
| 10/05/09 | 17.1 | 16.2 | 15.4 | 14.8 | 14.4 | 14.3 | 14.1 | 14.5 | 15.2 | 15.9 | 16.6 | 17.4 | 17.6 | 19.0 | 19.3 | 19.1 | 18.1 | 17.2 | 16.5 | 15.8 | 14.8 | 14.7 | 14.4 | 19.3 | 14.1 | 16.2 | |
| 10/06/09 | 14.2 | 13.9 | 13.7 | 14.1 | 14.3 | 13.8 | 13.3 | 14.5 | 18.0 | 19.8 | 19.8 | 20.8 | 21.2 | 21.2 | 21.9 | 22.1 | 21.7 | 20.6 | 19.6 | 18.9 | 18.8 | 18.7 | 17.0 | 16.1 | 22.1 | 13.3 | 17.8 |
| 10/07/09 | 15.4 | 15.9 | 14.6 | 15.1 | 14.5 | 14.9 | 14.9 | 15.7 | 16.5 | 16.7 | 16.4 | 17.0 | 17.4 | 18.3 | 18.4 | 18.5 | 18.5 | 17.9 | 16.7 | 15.8 | 15.5 | 15.0 | 14.7 | 14.4 | 18.5 | 14.4 | 16.2 |
| 10/08/09 | 12.9 | 13.5 | 13.2 | 12.8 | 12.4 | 11.4 | 11.4 | 12.0 | 13.4 | 14.3 | 15.7 | 16.7 | 17.6 | 18.0 | 18.5 | 18.3 | 17.8 | 17.2 | 16.5 | 16.1 | 15.9 | 15.8 | 15.8 | 15.5 | 18.5 | 11.4 | 15.1 |
| 10/09/09 | 13.6 | 14.1 | 12.8 | 12.1 | 11.5 | 12.0 | 11.4 | 13.0 | 16.1 | 18.0 | 18.5 | 19.6 | 20.8 | 21.1 | 21.8 | 21.5 | 21.2 | 20.1 | 19.0 | 18.4 | 17.8 | 17.7 | 16.8 | 16.0 | 21.8 | 11.4 | 16.9 |
| 10/10/09 | 15.2 | 14.8 | 15.1 | 14.1 | 14.3 | 14.2 | 13.7 | 15.0 | 18.9 | 21.0 | 22.1 | 23.4 | 24.0 | 23.9 | 23.6 | 23.0 | 22.3 | 21.5 | 20.5 | 19.9 | 19.2 | 19.1 | 17.6 | 17.7 | 24.0 | 13.7 | 18.9 |
| 10/11/09 | 17.7 | 17.0 | 16.7 | 16.1 | 15.3 | 14.9 | 14.7 | 16.2 | 18.1 | 19.1 | 19.7 | 21.0 | 21.6 | 22.0 | 22.5 | 22.1 | 21.5 | 20.7 | 20.1 | 19.4 | 18.9 | 17.7 | 17.8 | 18.2 | 22.5 | 14.7 | 18.7 |
| 10/12/09 | 18.1 | 16.4 | 15.5 | 14.6 | 14.4 | 13.6 | 15.4 | 17.3 | 18.7 | 19.8 | 21.1 | 21.9 | 23.1 | 23.5 | 23.6 | 23.6 | 22.9 | 21.9 | 21.1 | 20.5 | 19.7 | 18.6 | 17.9 | 17.1 | 23.6 | 13.6 | 18.8 |
| 10/13/09 | 16.5 | 15.8 | 14.9 | 14.2 | 13.7 | 13.4 | 13.2 | 13.6 | 14.5 | 15.7 | 17.0 | 18.8 | 19.8 | 20.7 | 21.4 | 20.9 | 20.7 | 19.6 | 18.8 | 18.4 | 18.2 | 17.5 | 16.7 | 17.1 | 21.4 | 13.2 | 17.1 |
| 10/14/09 | 17.1 | 16.6 | 16.2 | 15.0 | 14.3 | 14.0 | 13.6 | 14.8 | 17.9 | 19.9 | 20.5 | 21.3 | 22.1 | 22.5 | 22.8 | 23.0 | 22.4 | 21.2 | 20.3 | 19.7 | 19.2 | 18.2 | 17.2 | 17.9 | 23.0 | 13.6 | 18.6 |
| 10/15/09 | 16.7 | 17.3 | 16.1 | 15.4 | 15.1 | 15.0 | 15.0 | 17.0 | 20.1 | 22.3 | 23.8 | 24.6 | 25.1 | 25.3 | 25.7 | 25.7 | 25.0 | 23.8 | 22.9 | 22.4 | 20.6 | 21.2 | 21.8 | 19.6 | 25.7 | 15.0 | 20.7 |
| 10/16/09 | 20.1 | 19.5 | 18.4 | 18.3 | 18.1 | 18.1 | 18.7 | 21.6 | 23.2 | 24.6 | 25.9 | 27.5 | 29.2 | 29.7 | 30.3 | 29.9 | 29.4 | 28.0 | 26.6 | 25.4 | 24.5 | 23.5 | 24.0 | 23.5 | 30.3 | 18.1 | 24.1 |
| 10/17/09 | 22.6 | 21.9 | 21.9 | 22.4 | 21.6 | 21.3 | 21.1 | 22.4 | 24.3 | 25.9 | 27.7 | 28.7 | 29.5 | 30.0 | 30.3 | 30.3 | 29.7 | 28.5 | 26.3 | 25.2 | 24.6 | 24.0 | 23.8 | 24.0 | 30.3 | 21.1 | 25.3 |
| 10/18/09 | 23.8 | 23.3 | 21.7 | 20.7 | 20.2 | 19.6 | 19.3 | 20.3 | 22.7 | 24.5 | 26.0 | 27.4 | 28.3 | 29.1 | 29.4 | 28.9 | 28.1 | 26.9 | 26.4 | 25.5 | 24.2 | 24.0 | 24.3 | 23.8 | 29.4 | 19.3 | 24.5 |
| 10/19/09 | 23.0 | 22.9 | 22.4 | 21.8 | 21.3 | 19.9 | 18.7 | 19.4 | 21.4 | 22.4 | 23.6 | 24.4 | 24.7 | 25.4 | 25.7 | 25.8 | 25.5 | 24.7 | 24.0 | 23.7 | 23.2 | 22.5 | 21.4 | 20.3 | 25.8 | 18.7 | 22.8 |
| 10/20/09 | 19.9 | 19.3 | 18.8 | 18.2 | 17.6 | 17.3 | 16.9 | 16.4 | 15.9 | 15.3 | 16.5 | 16.8 | 17.2 | 17.9 | 17.6 | 17.4 | 16.8 | 16.1 | 15.8 | 15.2 | 14.7 | 14.3 | 14.0 | 13.8 | 19.9 | 13.8 | 16.6 |
| 10/21/09 | 12.9 | 11.3 | 10.9 | 11.6 | 11.7 | 11.1 | 10.6 | 12.2 | 14.2 | 16.2 | 16.4 | 17.5 | 18.0 | 19.0 | 19.3 | 19.0 | 18.4 | 17.6 | 17.1 | 16.9 | 16.7 | 16.2 | 15.3 | 14.9 | 19.3 | 10.6 | 15.2 |
| 10/22/09 | 15.0 | 14.6 | 14.3 | 13.4 | 13.0 | 12.5 | 12.6 | 13.4 | 16.5 | 18.8 | 19.2 | 20.2 | 20.4 | 20.9 | 21.0 | 20.7 | 20.3 | 19.2 | 18.5 | 18.2 | 18.1 | 17.0 | 16.4 | 16.1 | 21.0 | 12.5 | 17.1 |
| 10/23/09 | 15.6 | 15.7 | 14.9 | 15.3 | 16.7 | 16.1 | 15.5 | 16.4 | 17.4 | 18.9 | 20.1 | 21.2 | 22.1 | 22.9 | 23.1 | 22.7 | 21.8 | 20.4 | 19.7 | 19.3 | 18.8 | 18.8 | 17.8 | 18.8 | 23.1 | 14.9 | 18.7 |
| 10/24/09 | 18.5 | 17.6 | 18.2 | 16.4 | 15.0 | 14.9 | 13.8 | 15.2 | 17.6 | 18.9 | 19.7 | 20.9 | 21.5 | 22.0 | 22.4 | 22.4 | 21.8 | 20.7 | 19.9 | 19.2 | 19.5 | 19.7 | 19.3 | 19.1 | 22.4 | 13.8 | 18.9 |
| 10/25/09 | 19.1 | 17.2 | 16.8 | 16.9 | 16.4 | 15.2 | 15.3 | 16.9 | 19.0 | 20.2 | 20.6 | 21.8 | 22.2 | 22.6 | 23.1 | 22.8 | 22.2 | 21.1 | 20.5 | 19.1 | 18.2 | 17.7 | 16.9 | 16.7 | 23.1 | 15.2 | 19.1 |
| 10/26/09 | 16.6 | 16.3 | 15.9 | 15.4 | 14.5 | 13.5 | 12.9 | 13.3 | 14.1 | 15.3 | 16.9 | 18.2 | 19.6 | 20.3 | 21.0 | 21.3 | 20.6 | 19.4 | 18.2 | 16.9 | 15.6 | 14.7 | 14.8 | 14.0 | 21.3 | 12.9 | 16.6 |
| 10/27/09 | 13.6 | 13.3 | 12.2 | 11.9 | 13.2 | 12.7 | 11.8 | 12.3 | 14.4 | 15.7 | 17.5 | 18.1 | 19.3 | 20.6 | 20.9 | 21.0 | 20.7 | 19.9 | 19.2 | 18.3 | 17.6 | 16.0 | 14.4 | 12.7 | 21.0 | 11.8 | 16.1 |
| 10/28/09 | 11.2 | 10.1 | 8.7 | 7.7 | 6.7 | 5.2 | 3.9 | 3.6 | 4.3 | 5.2 | 5.8 | 6.3 | 6.6 | 6.8 | 6.3 | 5.9 | 5.9 | 5.5 | 5.1 | 4.9 | 4.3 | 4.0 | 3.9 | 3.5 | 11.2 | 3.5 | 5.9 |
| 10/29/09 | 3.4 | 3.2 | 2.8 | 2.7 | 2.1 | 1.5 | 0.7 | 1.9 | 4.4 | 5.3 | 6.4 | 7.5 | 8.1 | 8.3 | 8.2 | 8.4 | 8.3 | 7.5 | 7.1 | 6.8 | 6.6 | 6.5 | 6.4 | 6.1 | 8.4 | 0.7 | 5.4 |
| 10/30/09 | 4.6 | 4.2 | 3.6 | 3.2 | 3.3 | 3.1 | 2.1 | 3.0 | 6.5 | 8.9 | 9.3 | 10.0 | 10.8 | 11.7 | 12.3 | 12.4 | 11.8 | 10.9 | 10.5 | 9.3 | 8.8 | 10.0 | 10.0 | 10.2 | 12.4 | 2.1 | 7.9 |
| 10/31/09 | 10.2 | 10.5 | 10.4 | 9.7 | 9.7 | 10.4 | 11.5 | 12.7 | 14.0 | 15.3 | 17.3 | 18.9 | 20.0 | 21.2 | 21.2 | 20.4 | 19.0 | 17.2 | 16.5 | 16.0 | 16.2 | 16.3 | 15.9 | 21.2 | 9.7 | 15.0 | |

Hourly Averages

16.0 15.5 15.0 14.5 14.1 13.7 13.3 14.3 16.3 17.7 18.6 19.7 20.5 21.1 21.5 21.4 20.9 19.9 19.0 18.3 17.8 17.3 16.8 16.4

Maximum Hourly Temperature: 30.3

Minimum Hourly Temperature: 0.7

Average Monthly Temperature: 17.5

Maximum 24-Hour Mean: 25.3

Minimum 24-Hour Mean: 5.4

Total Number of Observations: 744

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE
OCTOBER 2009

DIFFERENTIAL TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 10/01/09 | 0.575 | 0.461 | 0.615 | 1.028 | 0.618 | 0.324 | 0.079 | -0.322 | -0.711 | -1.061 | -1.432 | -1.415 | -1.241 | -1.041 | -1.021 | -0.937 | -0.504 | -0.157 | 0.068 | 0.111 | 0.448 | 0.489 | 0.612 | 0.728 | 1.028 | -1.432 | -0.154 |
| 10/02/09 | 1.266 | 0.712 | 0.685 | 1.008 | 0.575 | 0.655 | 0.541 | -0.071 | -0.748 | -0.949 | -0.712 | -0.993 | -0.915 | -1.060 | -0.820 | -0.687 | -0.475 | -0.147 | -0.061 | -0.019 | 0.020 | 0.033 | 0.055 | -0.059 | 1.266 | -1.060 | -0.090 |
| 10/03/09 | -0.013 | -0.042 | -0.081 | -0.063 | -0.049 | 0.040 | -0.047 | -0.441 | -0.810 | -1.007 | -1.003 | -0.895 | -1.166 | -1.195 | -1.002 | -0.843 | -0.551 | -0.248 | -0.066 | -0.053 | 0.008 | 0.022 | -0.036 | -0.166 | 0.040 | -1.195 | -0.404 |
| 10/04/09 | -0.175 | -0.091 | -0.164 | -0.195 | -0.198 | -0.173 | -0.187 | -0.285 | -0.548 | -0.726 | -0.801 | -0.866 | -0.872 | -0.867 | -0.795 | -0.569 | -0.383 | -0.180 | -0.048 | -0.005 | -0.006 | 0.056 | 0.057 | 0.104 | 0.104 | -0.872 | -0.330 |
| 10/05/09 | 0.086 | 0.034 | 0.011 | 0.015 | 0.031 | 0.008 | -0.012 | -0.276 | -0.564 | -0.542 | -0.642 | -0.704 | -0.617 | -0.626 | -0.835 | -0.668 | -0.477 | -0.164 | 0.003 | 0.071 | 0.230 | 0.283 | 0.353 | 0.449 | 0.449 | -0.835 | -0.190 |
| 10/06/09 | 0.303 | 0.395 | 0.161 | 0.223 | 0.097 | 0.227 | 0.395 | -0.029 | -0.588 | -0.824 | -0.795 | -1.048 | -0.940 | -0.821 | -0.893 | -0.789 | -0.608 | -0.183 | -0.035 | 0.051 | 0.139 | 0.088 | 0.274 | 0.308 | 0.395 | -1.048 | -0.204 |
| 10/07/09 | 0.403 | 0.244 | 0.510 | 0.427 | 0.342 | 0.208 | 0.100 | -0.203 | -0.387 | -0.596 | -0.737 | -0.674 | -0.715 | -0.829 | -0.678 | -0.466 | -0.373 | -0.180 | -0.027 | -0.039 | 0.005 | 0.089 | 0.124 | 0.167 | 0.510 | -0.829 | -0.137 |
| 10/08/09 | 0.278 | 0.182 | 0.156 | 0.055 | 0.106 | 0.378 | 0.196 | -0.078 | -0.449 | -0.681 | -0.831 | -0.832 | -0.963 | -0.965 | -1.000 | -0.731 | -0.468 | -0.151 | 0.036 | 0.111 | 0.169 | 0.132 | 0.129 | 0.272 | 0.378 | -1.000 | -0.206 |
| 10/09/09 | 0.929 | 0.915 | 0.869 | 0.597 | 0.857 | 0.579 | 0.994 | -0.026 | -0.711 | -0.680 | -0.678 | -0.780 | -1.052 | -1.034 | -1.079 | -0.696 | -0.480 | -0.145 | -0.001 | 0.112 | 0.466 | 0.631 | 0.572 | 0.912 | 0.994 | -1.079 | 0.045 |
| 10/10/09 | 0.719 | 0.447 | 0.455 | 0.467 | 0.315 | 0.214 | 0.099 | -0.362 | -0.742 | -0.989 | -1.127 | -1.303 | -1.187 | -0.872 | -0.696 | -0.443 | -0.245 | -0.094 | 0.108 | 0.310 | 0.607 | 0.813 | 0.445 | 0.460 | 0.813 | -1.303 | -0.108 |
| 10/11/09 | 0.485 | 0.630 | 0.620 | 0.648 | 0.568 | 0.164 | 0.636 | 0.025 | -0.525 | -0.667 | -0.764 | -1.072 | -1.061 | -0.955 | -0.978 | -0.667 | -0.434 | -0.129 | 0.035 | 0.298 | 0.424 | 0.544 | 0.702 | 0.725 | 0.725 | -1.072 | -0.031 |
| 10/12/09 | 0.364 | 0.421 | 0.424 | 0.459 | 0.478 | 0.249 | 0.278 | -0.327 | -0.761 | -0.959 | -1.153 | -1.108 | -1.144 | -1.251 | -1.087 | -0.730 | -0.405 | -0.149 | -0.031 | -0.035 | -0.086 | -0.117 | -0.081 | -0.084 | 0.478 | -1.251 | -0.285 |
| 10/13/09 | -0.093 | -0.162 | -0.181 | -0.189 | -0.197 | -0.199 | -0.107 | -0.241 | -0.480 | -0.715 | -0.894 | -1.196 | -1.225 | -1.140 | -1.110 | -0.647 | -0.497 | -0.151 | 0.075 | 0.168 | 0.156 | 0.549 | 0.805 | 0.702 | 0.805 | -1.225 | -0.290 |
| 10/14/09 | 0.455 | 0.580 | 0.711 | 0.522 | 0.336 | 0.687 | 0.449 | -0.178 | -0.712 | -0.868 | -0.927 | -1.040 | -1.169 | -1.133 | -0.936 | -0.723 | -0.453 | -0.075 | 0.053 | 0.129 | 0.248 | 0.422 | 0.422 | 0.812 | 0.812 | -1.169 | -0.099 |
| 10/15/09 | 0.755 | 0.760 | 0.605 | 0.673 | 0.444 | 0.327 | 0.301 | -0.330 | -0.666 | -1.080 | -1.237 | -0.982 | -0.885 | -0.797 | -0.718 | -0.682 | -0.430 | -0.088 | 0.005 | 0.166 | 0.687 | 0.827 | 0.775 | 0.751 | 0.827 | -1.237 | -0.034 |
| 10/16/09 | 0.304 | 0.365 | 0.313 | 0.318 | 0.240 | 0.283 | 0.327 | -0.031 | -0.505 | -0.893 | -1.082 | -1.193 | -1.397 | -1.154 | -1.252 | -0.815 | -0.345 | -0.370 | 0.455 | 0.463 | 0.419 | 0.329 | 0.375 | 0.287 | 0.463 | -1.397 | -0.159 |
| 10/17/09 | 0.257 | 0.229 | 0.182 | 0.289 | 0.202 | 0.212 | 0.186 | -0.181 | -0.553 | -0.819 | -0.911 | -0.929 | -1.068 | -1.015 | -0.951 | -0.714 | -0.337 | 0.018 | 0.194 | 0.156 | 0.153 | 0.131 | 0.100 | 0.061 | 0.289 | -1.068 | -0.213 |
| 10/18/09 | 0.074 | 0.017 | 0.147 | 0.111 | 0.108 | 0.136 | 0.107 | -0.298 | -0.739 | -0.888 | -1.069 | -1.223 | -1.143 | -1.088 | -0.962 | -0.609 | -0.331 | -0.027 | 0.107 | 0.556 | 0.443 | 0.611 | 0.208 | 0.170 | 0.611 | -1.223 | -0.233 |
| 10/19/09 | 0.245 | 0.156 | 0.122 | 0.147 | 0.176 | 0.285 | 0.394 | -0.177 | -0.521 | -0.594 | -0.877 | -1.008 | -0.829 | -0.900 | -0.706 | -0.573 | -0.349 | -0.068 | 0.066 | 0.100 | 0.054 | 0.040 | 0.046 | 0.055 | 0.394 | -1.008 | -0.197 |
| 10/20/09 | 0.097 | 0.071 | 0.085 | 0.047 | 0.090 | 0.107 | 0.039 | -0.144 | -0.240 | -0.404 | -0.523 | -0.626 | -0.617 | -0.828 | -0.704 | -0.606 | -0.375 | -0.124 | -0.045 | 0.075 | -0.014 | 0.006 | 0.068 | 0.212 | 0.212 | -0.828 | -0.181 |
| 10/21/09 | 0.422 | 0.351 | 0.426 | 0.156 | 0.108 | 0.172 | 0.099 | -0.264 | -0.496 | -1.065 | -0.759 | -0.909 | -0.765 | -0.908 | -0.726 | -0.599 | -0.362 | -0.095 | -0.048 | -0.009 | 0.071 | 0.253 | 0.485 | 0.638 | 0.638 | -1.065 | -0.159 |
| 10/22/09 | 0.680 | 0.632 | 0.812 | 0.558 | 0.573 | 0.435 | 0.296 | -0.151 | -0.666 | -0.881 | -0.737 | -0.934 | -0.930 | -0.826 | -0.757 | -0.598 | -0.389 | -0.054 | -0.013 | -0.003 | 0.038 | 0.328 | 0.891 | 0.482 | 0.891 | -0.934 | -0.051 |
| 10/23/09 | 0.349 | 0.370 | 0.294 | 0.337 | 0.337 | 0.288 | 0.224 | -0.038 | -0.474 | -0.907 | -1.220 | -1.306 | -1.224 | -1.033 | -0.943 | -0.692 | -0.339 | -0.049 | -0.036 | 0.072 | 0.283 | 0.246 | 0.656 | 0.295 | 0.656 | -1.306 | -0.188 |
| 10/24/09 | 0.174 | 0.630 | 0.277 | 0.617 | 0.553 | 0.786 | 0.494 | 0.400 | -0.582 | -0.609 | -0.772 | -0.833 | -0.747 | -0.775 | -0.796 | -0.673 | -0.343 | 0.040 | 0.121 | 0.323 | 0.242 | 0.197 | 0.410 | 0.206 | 0.786 | -0.833 | -0.027 |
| 10/25/09 | 0.286 | 0.415 | 0.581 | 0.638 | 0.712 | 0.576 | 0.516 | 0.239 | -0.428 | -0.499 | -0.607 | -0.897 | -0.802 | -0.885 | -0.895 | -0.638 | -0.304 | -0.041 | 0.048 | 0.314 | 0.358 | 0.286 | 0.137 | 0.270 | 0.712 | -0.897 | -0.026 |
| 10/26/09 | 0.254 | 0.248 | 0.217 | 0.198 | 0.175 | 0.165 | 0.140 | -0.036 | -0.442 | -0.760 | -0.968 | -1.064 | -1.265 | -1.213 | -1.082 | -0.766 | -0.218 | 0.258 | 0.290 | 0.569 | 0.553 | 0.896 | 0.843 | 0.400 | 0.896 | -1.265 | -0.109 |
| 10/27/09 | 0.605 | 0.812 | 0.401 | 0.633 | 0.318 | 0.546 | 0.425 | 0.122 | -0.678 | -0.680 | -0.701 | -0.618 | -0.671 | -0.625 | -0.422 | -0.244 | -0.145 | -0.085 | -0.061 | -0.082 | -0.077 | -0.107 | -0.125 | -0.129 | 0.812 | -0.701 | -0.066 |
| 10/28/09 | -0.119 | -0.138 | -0.153 | -0.135 | -0.120 | -0.058 | -0.058 | -0.277 | -0.485 | -0.638 | -0.773 | -0.790 | -0.765 | -0.776 | -0.492 | -0.368 | -0.258 | -0.127 | -0.042 | -0.040 | -0.011 | 0.062 | 0.045 | 0.082 | 0.082 | -0.790 | -0.268 |
| 10/29/09 | 0.158 | 0.141 | 0.321 | 0.273 | 0.257 | 0.240 | 0.580 | 0.267 | -0.538 | -0.681 | -0.825 | -0.999 | -0.926 | -0.913 | -0.776 | -0.692 | -0.465 | -0.135 | -0.039 | 0.004 | 0.086 | 0.093 | 0.204 | 0.265 | 0.580 | -0.999 | -0.171 |
| 10/30/09 | 0.451 | 0.305 | 0.561 | 0.713 | 0.485 | 0.659 | 0.411 | -0.301 | -0.758 | -1.064 | -0.848 | -0.805 | -0.881 | -0.887 | -0.707 | -0.469 | -0.237 | -0.109 | 0.016 | 0.218 | 0.721 | 0.775 | 0.214 | 0.343 | 0.775 | -1.064 | -0.050 |
| 10/31/09 | 0.131 | 0.086 | 0.070 | 0.062 | 0.054 | 0.018 | 0.040 | -0.178 | -0.449 | -0.677 | -0.786 | -0.883 | -0.993 | -1.022 | -0.877 | -0.636 | -0.170 | 0.321 | 0.342 | 0.370 | 0.354 | 0.319 | 0.304 | 0.205 | 0.370 | -1.022 | -0.166 |

Hourly Averages

0.345 0.328 0.324 0.343 0.277 0.275 0.256 -0.135 -0.579 -0.787 -0.877 -0.965 -0.973 -0.949 -0.861 -0.644 -0.379 -0.069 0.047 0.144 0.232 0.301 0.325 0.320

Maximum Hourly Differential Temperature: 1.266

Minimum Hourly Differential Temperature: -1.432

Total Number of Observations: 744

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

NOVEMBER 2009

10-METER TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 11/01/09 | 15.7 | 15.8 | 15.1 | 15.0 | 14.8 | 14.4 | 14.2 | 14.8 | 15.8 | 16.8 | 18.4 | 20.1 | 21.9 | 23.1 | 23.4 | 23.3 | 23.2 | 22.1 | 20.9 | 19.8 | 18.7 | 19.2 | 18.2 | 17.9 | 23.4 | 14.2 | 18.4 |
| 11/02/09 | 17.5 | 16.9 | 15.8 | 15.6 | 15.2 | 15.0 | 14.8 | 15.2 | 17.9 | 20.1 | 22.3 | 24.1 | 25.2 | 24.7 | 25.1 | 25.2 | 24.7 | 23.4 | 22.0 | 20.4 | 21.0 | 20.1 | 20.7 | 19.5 | 25.2 | 14.8 | 20.1 |
| 11/03/09 | 19.2 | 18.3 | 18.8 | 18.9 | 19.0 | 18.9 | 18.1 | 18.4 | 19.5 | 20.6 | 21.2 | 22.6 | 23.8 | 25.4 | 26.6 | 26.4 | 25.8 | 24.0 | 22.6 | 21.6 | 20.5 | 19.9 | 19.9 | 19.4 | 26.6 | 18.1 | 21.2 |
| 11/04/09 | 19.2 | 19.1 | 18.6 | 18.6 | 18.2 | 18.2 | 17.7 | 18.0 | 18.7 | 19.9 | 21.2 | 23.3 | 24.9 | 25.4 | 25.9 | 25.7 | 25.2 | 23.9 | 22.5 | 21.7 | 21.8 | 20.5 | 20.0 | 19.8 | 25.9 | 17.7 | 21.2 |
| 11/05/09 | 19.3 | 19.6 | 19.2 | 19.0 | 18.8 | 18.7 | 18.3 | 18.5 | 19.6 | 21.8 | 22.9 | 23.8 | 25.0 | 25.5 | 25.9 | 26.0 | 25.7 | 24.6 | 24.0 | 21.8 | 21.2 | 21.5 | 20.5 | 19.8 | 26.0 | 18.3 | 21.7 |
| 11/06/09 | 19.8 | 19.5 | 18.3 | 18.2 | 16.1 | 16.5 | 16.3 | 16.7 | 19.0 | 20.9 | 22.4 | 23.7 | 22.8 | 22.3 | 22.2 | 22.5 | 22.5 | 22.0 | 20.1 | 19.9 | 19.0 | 19.5 | 19.0 | 18.9 | 23.7 | 16.1 | 19.9 |
| 11/07/09 | 18.8 | 18.7 | 17.9 | 18.0 | 17.5 | 16.3 | 16.1 | 16.3 | 17.8 | 20.9 | 21.9 | 22.3 | 22.7 | 22.7 | 22.8 | 22.9 | 22.2 | 21.2 | 20.6 | 20.3 | 19.7 | 19.4 | 18.2 | 17.1 | 22.9 | 16.1 | 19.7 |
| 11/08/09 | 16.5 | 16.4 | 16.1 | 16.2 | 15.9 | 14.6 | 14.4 | 14.3 | 15.8 | 17.7 | 18.7 | 20.0 | 20.5 | 20.9 | 20.8 | 20.5 | 19.9 | 19.2 | 18.6 | 17.5 | 16.6 | 15.8 | 16.1 | 15.8 | 20.9 | 14.3 | 17.5 |
| 11/09/09 | 15.6 | 15.4 | 15.4 | 15.1 | 14.3 | 14.8 | 13.4 | 13.5 | 16.0 | 18.8 | 19.8 | 20.6 | 21.1 | 21.7 | 22.1 | 22.0 | 21.7 | 21.0 | 18.6 | 17.7 | 17.5 | 17.5 | 16.9 | 22.1 | 13.4 | 17.8 | |
| 11/10/09 | 16.7 | 16.1 | 16.0 | 16.4 | 16.5 | 16.2 | 15.9 | 16.5 | 17.6 | 18.9 | 20.6 | 22.4 | 23.3 | 23.9 | 24.5 | 24.5 | 24.3 | 23.1 | 21.3 | 21.1 | 21.2 | 20.6 | 19.7 | 18.4 | 24.5 | 15.9 | 19.8 |
| 11/11/09 | 17.5 | 17.2 | 16.8 | 16.6 | 16.2 | 16.0 | 16.0 | 16.3 | 17.7 | 18.8 | 18.9 | 19.1 | 21.3 | 22.5 | 23.2 | 23.4 | 22.4 | 21.3 | 20.3 | 19.5 | 19.0 | 19.0 | 18.7 | 18.7 | 23.4 | 16.0 | 19.0 |
| 11/12/09 | 19.4 | 19.9 | 19.6 | 19.6 | 19.2 | 18.8 | 17.9 | 18.2 | 18.3 | 18.8 | 18.6 | 18.9 | 18.8 | 18.4 | 18.1 | 18.0 | 18.0 | 17.9 | 17.8 | 17.4 | 17.1 | 16.7 | 15.9 | 15.4 | 19.9 | 15.4 | 18.2 |
| 11/13/09 | 15.1 | 15.0 | 14.8 | 14.5 | 14.3 | 13.9 | 13.2 | 12.4 | 11.6 | 11.7 | 11.8 | 12.0 | 12.3 | 12.5 | 12.4 | 12.3 | 12.1 | 12.0 | 11.8 | 10.9 | 10.0 | 9.6 | 9.1 | 9.2 | 15.1 | 9.1 | 12.3 |
| 11/14/09 | 9.4 | 9.7 | 8.6 | 8.4 | 8.1 | 8.3 | 8.3 | 8.0 | 8.5 | 9.0 | 9.7 | 10.2 | 10.2 | 11.1 | 9.7 | 8.0 | 8.7 | 8.9 | 8.2 | 7.9 | 7.2 | 7.3 | 6.9 | 6.6 | 11.1 | 6.6 | 8.6 |
| 11/15/09 | 6.8 | 6.5 | 6.4 | 6.1 | 6.1 | 6.2 | 5.6 | 5.7 | 6.3 | 8.0 | 7.5 | 8.2 | 9.1 | 9.9 | 10.6 | 11.0 | 10.8 | 9.8 | 9.3 | 8.6 | 8.1 | 7.5 | 7.2 | 7.0 | 11.0 | 5.6 | 7.8 |
| 11/16/09 | 6.7 | 6.4 | 6.3 | 6.4 | 6.6 | 6.4 | 6.2 | 6.4 | 7.2 | 8.2 | 9.6 | 10.8 | 12.2 | 13.3 | 14.4 | 14.7 | 14.5 | 13.7 | 12.8 | 12.6 | 12.7 | 12.2 | 11.7 | 11.3 | 14.7 | 6.2 | 10.1 |
| 11/17/09 | 10.7 | 10.2 | 9.8 | 9.5 | 9.1 | 8.7 | 8.7 | 8.9 | 9.7 | 10.7 | 12.1 | 13.2 | 14.8 | 15.7 | 16.0 | 16.3 | 16.0 | 14.8 | 13.5 | 12.9 | 12.6 | 11.8 | 12.0 | 12.0 | 16.3 | 8.7 | 12.1 |
| 11/18/09 | 11.8 | 11.4 | 11.3 | 10.9 | 10.4 | 10.2 | 10.0 | 10.1 | 11.1 | 12.8 | 14.6 | 16.2 | 17.2 | 17.6 | 18.2 | 18.2 | 17.6 | 16.7 | 15.7 | 14.3 | 13.0 | 13.4 | 12.7 | 12.6 | 18.2 | 10.0 | 13.7 |
| 11/19/09 | 12.6 | 11.7 | 11.0 | 10.4 | 10.1 | 11.4 | 10.6 | 9.3 | 10.7 | 13.2 | 15.3 | 16.1 | 16.5 | 17.0 | 16.9 | 16.7 | 16.2 | 15.2 | 14.6 | 14.6 | 12.5 | 12.5 | 11.9 | 11.5 | 17.0 | 9.3 | 13.3 |
| 11/20/09 | 11.0 | 11.5 | 11.5 | 10.8 | 10.4 | 10.0 | 9.3 | 9.3 | 12.3 | 14.7 | 15.8 | 17.3 | 17.7 | 18.5 | 18.8 | 18.7 | 18.4 | 17.3 | 15.9 | 14.4 | 13.3 | 13.5 | 13.7 | 13.2 | 18.8 | 9.3 | 14.0 |
| 11/21/09 | 13.2 | 11.9 | 12.1 | 12.5 | 11.6 | 10.8 | 9.4 | 9.7 | 11.6 | 13.6 | 15.1 | 16.2 | 17.1 | 17.3 | 17.3 | 16.9 | 16.2 | 15.4 | 14.8 | 14.4 | 14.2 | 12.3 | 12.3 | 12.5 | 17.3 | 9.4 | 13.7 |
| 11/22/09 | 12.9 | 12.3 | 10.7 | 10.6 | 10.2 | 9.0 | 7.4 | 7.4 | 9.6 | 12.6 | 14.4 | 15.4 | 15.9 | 16.6 | 17.0 | 17.0 | 16.2 | 15.3 | 14.3 | 12.8 | 12.3 | 11.9 | 12.2 | 11.9 | 17.0 | 7.4 | 12.7 |
| 11/23/09 | 11.3 | 11.3 | 10.5 | 10.3 | 10.7 | 10.3 | 9.4 | 10.4 | 11.1 | 12.5 | 14.2 | 14.7 | 15.2 | 15.4 | 15.7 | 15.9 | 15.2 | 14.2 | 13.4 | 11.5 | 10.5 | 10.8 | 11.2 | 10.9 | 15.9 | 9.4 | 12.4 |
| 11/24/09 | 10.6 | 10.1 | 9.8 | 9.3 | 8.6 | 8.2 | 8.2 | 8.5 | 9.0 | 9.5 | 10.6 | 12.0 | 13.3 | 14.4 | 15.2 | 15.4 | 14.9 | 13.9 | 13.7 | 13.3 | 12.8 | 12.2 | 11.2 | 10.7 | 15.4 | 8.2 | 11.5 |
| 11/25/09 | 10.4 | 10.0 | 9.5 | 9.0 | 8.7 | 8.4 | 8.2 | 8.4 | 9.2 | 10.0 | 11.8 | 13.2 | 14.4 | 15.3 | 16.1 | 16.6 | 16.7 | 15.2 | 14.5 | 14.3 | 13.5 | 12.7 | 12.6 | 12.4 | 16.7 | 8.2 | 12.1 |
| 11/26/09 | 11.6 | 11.1 | 11.0 | 10.8 | 10.8 | 10.6 | 10.1 | 10.2 | 11.3 | 12.4 | 13.9 | 16.8 | 18.1 | 18.5 | 18.5 | 18.4 | 17.5 | 16.5 | 14.8 | 14.1 | 13.8 | 13.3 | 13.1 | 12.9 | 18.5 | 10.1 | 13.8 |
| 11/27/09 | 12.4 | 12.2 | 12.1 | 12.0 | 11.8 | 11.5 | 11.6 | 11.7 | 12.6 | 13.9 | 15.4 | 17.2 | 17.7 | 18.4 | 19.0 | 19.1 | 18.6 | 17.9 | 17.0 | 15.5 | 15.1 | 15.3 | 15.4 | 15.0 | 19.1 | 11.5 | 14.9 |
| 11/28/09 | 13.2 | 13.3 | 14.9 | 14.3 | 13.9 | 13.4 | 12.7 | 12.6 | 12.6 | 12.9 | 13.5 | 13.6 | 14.1 | 14.6 | 14.5 | 14.0 | 13.2 | 11.9 | 10.0 | 9.0 | 8.1 | 7.8 | 7.9 | 7.5 | 14.9 | 7.5 | 12.2 |
| 11/29/09 | 6.7 | 6.1 | 5.1 | 5.3 | 5.8 | 5.8 | 6.3 | 6.1 | 6.8 | 6.8 | 5.6 | 7.2 | 8.3 | 6.2 | 6.2 | 8.8 | 8.7 | 8.8 | 8.4 | 7.8 | 8.0 | 7.6 | 6.6 | 6.2 | 8.8 | 5.1 | 6.9 |
| 11/30/09 | 6.3 | 6.3 | 6.5 | 6.7 | 6.4 | 5.9 | 5.8 | 6.0 | 5.7 | 5.8 | 7.3 | 8.5 | 8.8 | 9.9 | 10.7 | 10.7 | 10.0 | 9.5 | 8.7 | 7.8 | 6.9 | 6.0 | 5.6 | 5.7 | 10.7 | 5.6 | 7.4 |

Hourly Averages

13.6 13.3 13.0 12.8 12.5 12.2 11.8 11.9 13.0 14.4 15.5 16.6 17.5 18.0 18.2 18.3 17.9 17.0 16.0 15.2 14.6 14.2 13.9 13.6

Maximum Hourly Temperature: 26.6 Minimum Hourly Temperature: 5.1 Average Monthly Temperature: 14.8

Maximum 24-Hour Mean: 21.7 Minimum 24-Hour Mean: 6.9

Total Number of Observations: 720

Possible Number of Observations: 720

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

NOVEMBER 2009

2-METER TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 11/01/09 | 15.5 | 15.5 | 15.0 | 14.9 | 14.6 | 14.2 | 14.1 | 14.9 | 16.3 | 17.7 | 19.7 | 21.5 | 23.2 | 24.1 | 24.3 | 24.0 | 23.5 | 21.9 | 20.8 | 19.2 | 17.9 | 18.3 | 17.6 | 17.2 | 24.3 | 14.1 | 18.6 |
| 11/02/09 | 16.7 | 16.3 | 14.9 | 14.8 | 14.4 | 14.6 | 14.1 | 15.2 | 18.5 | 20.9 | 23.3 | 25.4 | 26.2 | 25.4 | 25.8 | 25.7 | 24.9 | 23.2 | 21.7 | 19.6 | 20.3 | 19.5 | 20.1 | 19.0 | 26.2 | 14.1 | 20.0 |
| 11/03/09 | 18.8 | 17.8 | 18.4 | 18.6 | 18.7 | 18.6 | 17.8 | 18.4 | 19.9 | 21.4 | 22.1 | 23.6 | 25.0 | 26.5 | 27.4 | 26.9 | 25.8 | 23.6 | 22.2 | 21.2 | 20.1 | 19.4 | 19.5 | 19.1 | 27.4 | 17.8 | 21.3 |
| 11/04/09 | 18.9 | 18.7 | 18.4 | 18.3 | 17.9 | 17.9 | 17.5 | 18.1 | 19.2 | 20.7 | 22.2 | 24.5 | 26.0 | 26.0 | 26.5 | 26.0 | 25.3 | 23.7 | 22.2 | 21.4 | 21.5 | 20.1 | 19.5 | 19.4 | 26.5 | 17.5 | 21.2 |
| 11/05/09 | 18.9 | 19.3 | 18.9 | 18.7 | 18.5 | 18.4 | 18.1 | 18.5 | 19.9 | 22.7 | 23.8 | 24.7 | 26.1 | 26.6 | 26.8 | 26.8 | 26.0 | 24.5 | 23.7 | 21.2 | 20.6 | 19.6 | 19.1 | 19.1 | 26.8 | 18.1 | 21.7 |
| 11/06/09 | 18.9 | 18.8 | 17.7 | 17.0 | 15.6 | 16.1 | 15.9 | 16.8 | 19.7 | 21.7 | 23.5 | 24.6 | 23.2 | 22.6 | 22.4 | 22.7 | 22.4 | 21.6 | 19.4 | 19.1 | 18.3 | 19.1 | 18.4 | 18.4 | 24.6 | 15.6 | 19.7 |
| 11/07/09 | 18.4 | 18.0 | 17.1 | 17.3 | 17.0 | 15.2 | 15.3 | 15.5 | 18.3 | 21.8 | 22.4 | 23.1 | 23.6 | 23.5 | 23.6 | 23.5 | 22.5 | 21.1 | 20.3 | 19.7 | 19.2 | 19.1 | 17.6 | 16.5 | 23.6 | 15.2 | 19.6 |
| 11/08/09 | 16.1 | 15.9 | 15.6 | 15.2 | 15.0 | 14.2 | 13.5 | 14.0 | 16.3 | 18.6 | 19.7 | 21.2 | 21.5 | 21.8 | 21.6 | 21.0 | 20.2 | 19.2 | 18.3 | 17.0 | 16.1 | 15.4 | 15.5 | 15.1 | 21.8 | 13.5 | 17.4 |
| 11/09/09 | 15.0 | 14.7 | 14.9 | 14.5 | 13.5 | 13.7 | 12.5 | 13.3 | 16.5 | 19.7 | 20.9 | 21.7 | 22.2 | 22.7 | 22.8 | 22.5 | 21.9 | 20.8 | 18.1 | 17.2 | 16.8 | 16.8 | 16.2 | 22.8 | 12.5 | 17.7 | |
| 11/10/09 | 16.0 | 15.5 | 15.2 | 16.0 | 16.1 | 15.9 | 15.7 | 16.5 | 18.0 | 19.6 | 21.6 | 23.3 | 24.2 | 24.8 | 25.3 | 25.1 | 24.4 | 22.8 | 20.9 | 20.5 | 20.9 | 20.3 | 19.3 | 18.0 | 25.3 | 15.2 | 19.8 |
| 11/11/09 | 17.0 | 16.9 | 16.5 | 16.4 | 16.0 | 15.8 | 15.8 | 16.3 | 18.1 | 19.5 | 19.4 | 19.7 | 22.3 | 23.4 | 24.0 | 23.8 | 22.5 | 21.1 | 20.0 | 18.9 | 18.5 | 18.4 | 18.1 | 18.3 | 24.0 | 15.8 | 19.0 |
| 11/12/09 | 18.8 | 19.6 | 19.4 | 19.4 | 19.0 | 18.5 | 17.2 | 17.9 | 18.5 | 19.3 | 19.2 | 19.3 | 19.2 | 18.8 | 18.4 | 18.2 | 18.1 | 17.9 | 17.8 | 17.4 | 17.1 | 16.8 | 15.9 | 15.4 | 19.6 | 15.4 | 18.2 |
| 11/13/09 | 15.1 | 15.0 | 14.8 | 14.6 | 14.4 | 14.0 | 13.4 | 12.5 | 11.6 | 11.8 | 11.9 | 12.2 | 12.6 | 12.7 | 12.6 | 12.5 | 12.3 | 12.1 | 11.9 | 10.8 | 10.0 | 9.7 | 9.2 | 9.3 | 15.1 | 9.2 | 12.4 |
| 11/14/09 | 9.4 | 9.5 | 8.5 | 8.2 | 8.0 | 8.1 | 7.9 | 7.9 | 8.5 | 9.2 | 10.0 | 10.5 | 10.6 | 11.6 | 10.0 | 8.3 | 8.9 | 8.8 | 7.9 | 7.3 | 7.0 | 6.9 | 6.4 | 6.3 | 11.6 | 6.3 | 8.6 |
| 11/15/09 | 6.3 | 5.9 | 5.9 | 5.7 | 5.5 | 5.6 | 5.1 | 5.5 | 6.7 | 8.7 | 8.4 | 9.2 | 10.2 | 10.8 | 11.4 | 11.4 | 10.8 | 9.5 | 9.0 | 8.4 | 7.9 | 7.3 | 7.1 | 6.9 | 11.4 | 5.1 | 7.9 |
| 11/16/09 | 6.6 | 6.3 | 6.2 | 6.2 | 6.4 | 6.2 | 6.0 | 6.4 | 7.6 | 8.8 | 10.3 | 11.6 | 13.0 | 14.1 | 15.0 | 15.1 | 14.4 | 13.4 | 12.6 | 12.4 | 12.5 | 12.0 | 11.5 | 11.1 | 15.1 | 6.0 | 10.2 |
| 11/17/09 | 10.5 | 10.0 | 9.7 | 9.3 | 9.0 | 8.5 | 8.5 | 8.9 | 10.0 | 11.3 | 12.9 | 14.1 | 15.7 | 16.5 | 16.7 | 16.7 | 15.9 | 14.4 | 13.2 | 12.7 | 12.3 | 11.4 | 11.7 | 11.7 | 16.7 | 8.5 | 12.1 |
| 11/18/09 | 11.4 | 11.2 | 11.0 | 10.6 | 10.2 | 10.0 | 9.8 | 10.1 | 11.6 | 13.6 | 15.5 | 17.2 | 18.0 | 18.2 | 18.9 | 18.7 | 17.8 | 16.6 | 15.2 | 13.8 | 12.4 | 12.7 | 12.0 | 11.5 | 18.9 | 9.8 | 13.7 |
| 11/19/09 | 11.7 | 10.9 | 10.5 | 9.8 | 9.4 | 10.2 | 9.8 | 8.7 | 11.1 | 14.0 | 16.2 | 16.9 | 17.2 | 17.8 | 17.5 | 17.1 | 16.4 | 15.2 | 14.6 | 14.3 | 11.9 | 11.9 | 11.1 | 10.8 | 17.8 | 8.7 | 13.1 |
| 11/20/09 | 10.7 | 11.2 | 11.2 | 10.5 | 10.1 | 9.6 | 9.1 | 9.4 | 12.6 | 15.5 | 16.8 | 18.4 | 18.7 | 19.5 | 19.7 | 19.4 | 18.6 | 16.8 | 15.2 | 13.8 | 12.7 | 12.9 | 13.1 | 12.2 | 19.7 | 9.1 | 14.1 |
| 11/21/09 | 12.7 | 11.4 | 11.4 | 11.2 | 10.5 | 10.2 | 9.0 | 9.4 | 12.0 | 14.4 | 16.1 | 17.2 | 17.9 | 18.0 | 17.9 | 17.2 | 16.4 | 15.4 | 14.5 | 14.1 | 14.0 | 11.7 | 11.5 | 11.6 | 18.0 | 9.0 | 13.6 |
| 11/22/09 | 11.6 | 11.4 | 10.3 | 9.6 | 9.1 | 8.0 | 6.7 | 7.1 | 10.0 | 13.5 | 15.4 | 16.5 | 17.0 | 17.6 | 17.8 | 17.5 | 16.3 | 15.1 | 14.1 | 12.3 | 11.7 | 11.3 | 11.6 | 11.4 | 17.8 | 6.7 | 12.6 |
| 11/23/09 | 10.7 | 10.6 | 9.8 | 9.6 | 9.9 | 9.7 | 8.6 | 9.7 | 11.3 | 13.4 | 14.9 | 15.4 | 15.9 | 16.3 | 16.5 | 16.4 | 15.4 | 14.3 | 13.3 | 10.9 | 10.2 | 10.6 | 11.0 | 10.7 | 16.5 | 8.6 | 12.3 |
| 11/24/09 | 10.4 | 9.9 | 9.6 | 9.1 | 8.4 | 8.1 | 8.1 | 8.6 | 9.4 | 10.1 | 11.5 | 12.9 | 14.3 | 15.3 | 15.9 | 15.7 | 14.8 | 13.6 | 13.4 | 13.1 | 12.6 | 12.0 | 11.0 | 10.6 | 15.9 | 8.1 | 11.6 |
| 11/25/09 | 10.3 | 9.8 | 9.4 | 8.9 | 8.6 | 8.3 | 8.1 | 8.4 | 9.5 | 10.5 | 12.5 | 14.0 | 15.1 | 16.0 | 16.7 | 16.9 | 16.6 | 15.0 | 14.3 | 14.1 | 13.3 | 12.5 | 12.4 | 12.2 | 16.9 | 8.1 | 12.2 |
| 11/26/09 | 11.5 | 11.0 | 10.8 | 10.7 | 10.6 | 10.5 | 10.0 | 10.2 | 11.6 | 13.0 | 14.6 | 17.5 | 18.8 | 19.1 | 19.0 | 18.7 | 17.6 | 16.4 | 14.6 | 13.9 | 13.6 | 13.1 | 12.9 | 12.7 | 19.1 | 10.0 | 13.8 |
| 11/27/09 | 12.2 | 11.9 | 11.9 | 11.8 | 11.6 | 11.4 | 11.4 | 11.7 | 13.0 | 14.6 | 16.5 | 18.4 | 18.7 | 19.4 | 19.8 | 19.6 | 18.8 | 17.8 | 16.8 | 14.9 | 14.5 | 14.7 | 14.1 | 19.8 | 11.4 | 15.0 | |
| 11/28/09 | 12.9 | 12.9 | 14.6 | 14.1 | 13.9 | 13.4 | 12.7 | 12.5 | 12.7 | 13.2 | 14.1 | 14.0 | 14.8 | 15.3 | 15.0 | 14.5 | 13.4 | 12.0 | 10.1 | 9.0 | 7.8 | 7.4 | 7.4 | 7.0 | 15.3 | 7.0 | 12.3 |
| 11/29/09 | 6.4 | 5.8 | 4.8 | 5.1 | 5.6 | 5.5 | 6.2 | 6.1 | 7.1 | 7.6 | 6.0 | 8.1 | 9.0 | 6.2 | 6.3 | 8.8 | 8.6 | 8.2 | 7.6 | 7.6 | 7.3 | 6.5 | 6.1 | 9.0 | 4.8 | 6.9 | |
| 11/30/09 | 6.2 | 6.2 | 6.4 | 6.6 | 6.4 | 5.9 | 5.8 | 6.0 | 6.0 | 6.3 | 7.6 | 9.1 | 9.2 | 10.4 | 11.1 | 11.0 | 10.1 | 9.2 | 8.3 | 7.5 | 6.7 | 5.8 | 5.4 | 5.3 | 11.1 | 5.3 | 7.4 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| Hourly Averages | | 13.2 | 12.9 | 12.6 | 12.4 | 12.1 | 11.9 | 11.8 | 13.4 | 15.1 | 16.3 | 17.5 | 18.3 | 18.7 | 18.9 | 18.7 | 18.0 | 16.9 | 15.8 | 14.8 | 14.2 | 13.8 | 13.5 | 13.1 | |
| Maximum Hourly Temperature: | 27.4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Minimum Hourly Temperature: | 4.8 | | | | | | | | | | | | | | | | | | | | | | | | |
| Average Monthly Temperature: | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | |
|--------------------------------------|------|--|--|---|-----|--|
| Maximum 24-Hour Mean: | 21.7 | | | Minimum 24-Hour Mean: | 6.9 | |
| Total Number of Observations: | 720 | | | Possible Number of Observations: | 720 | |
| | | | | INV = Invalid Data | | |
| | | | | ND = No Data Collection | | |

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

NOVEMBER 2009

DIFFERENTIAL TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 11/01/09 | 0.200 | 0.233 | 0.174 | 0.195 | 0.197 | 0.153 | 0.132 | -0.134 | -0.517 | -0.869 | -1.283 | -1.400 | -1.333 | -1.003 | -0.852 | -0.625 | -0.315 | 0.129 | 0.137 | 0.583 | 0.757 | 0.878 | 0.631 | 0.700 | 0.878 | -1.400 | -0.135 |
| 11/02/09 | 0.749 | 0.607 | 0.904 | 0.780 | 0.748 | 0.493 | 0.664 | -0.032 | -0.544 | -0.812 | -0.965 | -1.290 | -0.994 | -0.655 | -0.624 | -0.501 | -0.170 | 0.142 | 0.282 | 0.791 | 0.682 | 0.659 | 0.556 | 0.521 | 0.904 | -1.290 | 0.083 |
| 11/03/09 | 0.374 | 0.505 | 0.411 | 0.341 | 0.311 | 0.305 | 0.248 | -0.046 | -0.465 | -0.763 | -0.905 | -1.062 | -1.152 | -1.113 | -0.885 | -0.479 | 0.074 | 0.360 | 0.345 | 0.420 | 0.441 | 0.508 | 0.444 | 0.315 | 0.508 | -1.152 | -0.061 |
| 11/04/09 | 0.306 | 0.347 | 0.238 | 0.329 | 0.274 | 0.295 | 0.223 | -0.074 | -0.484 | -0.781 | -0.985 | -1.159 | -1.028 | -0.666 | -0.300 | -0.042 | 0.247 | 0.351 | 0.304 | 0.254 | 0.359 | 0.514 | 0.364 | 0.514 | -1.159 | -0.074 | |
| 11/05/09 | 0.373 | 0.252 | 0.308 | 0.287 | 0.272 | 0.244 | 0.191 | -0.032 | -0.328 | -0.830 | -0.882 | -0.919 | -1.036 | -1.039 | -0.874 | -0.776 | -0.264 | 0.111 | 0.275 | 0.613 | 0.602 | 0.971 | 0.932 | 0.660 | 0.971 | -1.039 | -0.037 |
| 11/06/09 | 0.935 | 0.731 | 0.622 | 1.174 | 0.450 | 0.374 | 0.442 | -0.086 | -0.671 | -0.831 | -1.097 | -0.912 | -0.350 | -0.243 | -0.211 | -0.189 | 0.083 | 0.431 | 0.696 | 0.830 | 0.671 | 0.416 | 0.577 | 0.502 | 1.174 | -1.097 | 0.181 |
| 11/07/09 | 0.425 | 0.676 | 0.728 | 0.684 | 0.523 | 1.036 | 0.868 | 0.847 | -0.498 | -0.852 | -0.504 | -0.801 | -0.889 | -0.806 | -0.766 | -0.581 | -0.248 | 0.067 | 0.277 | 0.555 | 0.489 | 0.356 | 0.551 | 0.596 | 1.036 | -0.889 | 0.114 |
| 11/08/09 | 0.451 | 0.496 | 0.519 | 0.991 | 0.935 | 0.390 | 0.858 | 0.332 | -0.525 | -0.860 | -1.010 | -1.223 | -1.018 | -0.911 | -0.781 | -0.501 | -0.286 | 0.009 | 0.288 | 0.534 | 0.533 | 0.486 | 0.547 | 0.654 | 0.991 | -1.223 | 0.038 |
| 11/09/09 | 0.604 | 0.750 | 0.502 | 0.660 | 0.838 | 1.060 | 0.939 | 0.204 | -0.491 | -0.927 | -1.156 | -1.154 | -1.064 | -0.990 | -0.704 | -0.520 | -0.134 | 0.175 | 0.443 | 0.464 | 0.666 | 0.693 | 0.682 | 0.686 | 1.060 | -1.156 | 0.093 |
| 11/10/09 | 0.680 | 0.658 | 0.776 | 0.463 | 0.385 | 0.297 | 0.248 | -0.001 | -0.408 | -0.741 | -1.048 | -0.934 | -0.966 | -0.904 | -0.841 | -0.578 | -0.130 | 0.264 | 0.368 | 0.558 | 0.321 | 0.314 | 0.366 | 0.388 | 0.776 | -1.048 | -0.019 |
| 11/11/09 | 0.455 | 0.324 | 0.245 | 0.226 | 0.203 | 0.167 | 0.208 | 0.056 | -0.384 | -0.724 | -0.519 | -0.619 | -1.009 | -0.904 | -0.791 | -0.399 | -0.085 | 0.253 | 0.295 | 0.655 | 0.423 | 0.582 | 0.645 | 0.412 | 0.655 | -1.009 | -0.012 |
| 11/12/09 | 0.550 | 0.299 | 0.252 | 0.227 | 0.171 | 0.278 | 0.766 | 0.256 | -0.212 | -0.507 | -0.621 | -0.461 | -0.388 | -0.357 | -0.307 | -0.236 | -0.093 | -0.014 | -0.006 | 0.062 | -0.007 | -0.030 | -0.024 | -0.005 | 0.766 | -0.621 | -0.017 |
| 11/13/09 | 0.014 | 0.019 | 0.007 | -0.028 | -0.064 | -0.052 | -0.138 | -0.111 | 0.008 | -0.078 | -0.155 | -0.178 | -0.274 | -0.226 | -0.243 | -0.181 | -0.159 | -0.100 | -0.056 | 0.069 | 0.042 | -0.020 | -0.108 | -0.137 | 0.069 | -0.274 | -0.090 |
| 11/14/09 | -0.002 | 0.204 | 0.148 | 0.203 | 0.107 | 0.163 | 0.446 | 0.180 | -0.044 | -0.245 | -0.365 | -0.295 | -0.439 | -0.488 | -0.261 | -0.287 | -0.196 | 0.043 | 0.332 | 0.528 | 0.263 | 0.433 | 0.507 | 0.321 | 0.528 | -0.488 | 0.052 |
| 11/15/09 | 0.474 | 0.623 | 0.439 | 0.451 | 0.546 | 0.538 | 0.442 | 0.260 | -0.363 | -0.708 | -0.908 | -1.025 | -1.082 | -0.910 | -0.754 | -0.413 | -0.019 | 0.227 | 0.251 | 0.185 | 0.201 | 0.186 | 0.141 | 0.110 | 0.623 | -1.082 | -0.046 |
| 11/16/09 | 0.097 | 0.136 | 0.135 | 0.158 | 0.162 | 0.155 | 0.149 | -0.030 | -0.363 | -0.573 | -0.741 | -0.842 | -0.826 | -0.755 | -0.622 | -0.364 | 0.069 | 0.273 | 0.211 | 0.226 | 0.212 | 0.240 | 0.213 | 0.207 | 0.273 | -0.842 | -0.103 |
| 11/17/09 | 0.186 | 0.174 | 0.152 | 0.138 | 0.139 | 0.136 | 0.132 | -0.031 | -0.361 | -0.594 | -0.760 | -0.906 | -0.979 | -0.874 | -0.669 | -0.366 | 0.106 | 0.314 | 0.246 | 0.273 | 0.299 | 0.409 | 0.354 | 0.293 | 0.409 | -0.979 | -0.091 |
| 11/18/09 | 0.321 | 0.283 | 0.286 | 0.280 | 0.214 | 0.206 | 0.220 | -0.014 | -0.446 | -0.815 | -0.986 | -1.052 | -0.835 | -0.612 | -0.730 | -0.471 | -0.134 | 0.081 | 0.474 | 0.479 | 0.624 | 0.675 | 0.676 | 1.109 | 1.109 | -1.052 | -0.007 |
| 11/19/09 | 0.871 | 0.782 | 0.562 | 0.585 | 0.666 | 1.113 | 0.772 | 0.619 | -0.407 | -0.771 | -0.885 | -0.749 | -0.744 | -0.843 | -0.677 | -0.403 | -0.124 | 0.021 | 0.044 | 0.314 | 0.570 | 0.646 | 0.750 | 0.766 | 1.113 | -0.885 | 0.145 |
| 11/20/09 | 0.333 | 0.252 | 0.259 | 0.302 | 0.318 | 0.380 | 0.225 | -0.026 | -0.331 | -0.757 | -1.048 | -1.127 | -0.990 | -0.953 | -0.839 | -0.629 | -0.211 | 0.535 | 0.650 | 0.598 | 0.604 | 0.578 | 0.653 | 1.047 | 1.047 | -1.127 | -0.007 |
| 11/21/09 | 0.506 | 0.496 | 0.720 | 1.247 | 1.074 | 0.603 | 0.384 | 0.305 | -0.457 | -0.836 | -0.977 | -1.007 | -0.823 | -0.699 | -0.655 | -0.389 | -0.156 | 0.037 | 0.307 | 0.297 | 0.238 | 0.588 | 0.720 | 0.898 | 1.247 | -1.007 | 0.101 |
| 11/22/09 | 1.275 | 0.875 | 0.452 | 1.050 | 1.168 | 0.988 | 0.678 | 0.267 | -0.397 | -0.864 | -1.048 | -1.052 | -1.083 | -1.043 | -0.776 | -0.519 | -0.167 | 0.111 | 0.242 | 0.525 | 0.586 | 0.592 | 0.538 | 0.514 | 1.275 | -1.083 | 0.121 |
| 11/23/09 | 0.583 | 0.682 | 0.607 | 0.657 | 0.828 | 0.686 | 0.886 | 0.639 | -0.214 | -0.836 | -0.696 | -0.643 | -0.791 | -0.855 | -0.782 | -0.532 | -0.152 | -0.012 | 0.114 | 0.593 | 0.267 | 0.251 | 0.206 | 0.203 | 0.886 | -0.855 | 0.070 |
| 11/24/09 | 0.161 | 0.171 | 0.163 | 0.140 | 0.123 | 0.105 | 0.113 | -0.022 | -0.391 | -0.624 | -0.837 | -0.942 | -0.993 | -0.879 | -0.677 | -0.379 | 0.085 | 0.342 | 0.287 | 0.282 | 0.232 | 0.199 | 0.171 | 0.179 | 0.342 | -0.993 | -0.125 |
| 11/25/09 | 0.152 | 0.148 | 0.118 | 0.109 | 0.110 | 0.128 | 0.130 | -0.013 | -0.356 | -0.585 | -0.742 | -0.817 | -0.773 | -0.709 | -0.563 | -0.288 | 0.114 | 0.181 | 0.226 | 0.209 | 0.210 | 0.169 | 0.180 | 0.172 | 0.226 | -0.817 | -0.104 |
| 11/26/09 | 0.123 | 0.160 | 0.208 | 0.149 | 0.114 | 0.074 | 0.128 | 0.007 | -0.341 | -0.570 | -0.673 | -0.707 | -0.661 | -0.576 | -0.491 | -0.327 | -0.063 | 0.070 | 0.180 | 0.205 | 0.192 | 0.188 | 0.229 | 0.229 | -0.707 | -0.090 | |
| 11/27/09 | 0.202 | 0.208 | 0.220 | 0.206 | 0.172 | 0.172 | 0.185 | 0.041 | -0.361 | -0.746 | -1.104 | -1.189 | -1.053 | -0.938 | -0.828 | -0.520 | -0.186 | 0.085 | 0.136 | 0.595 | 0.641 | 0.635 | 0.686 | 0.955 | 0.955 | -1.189 | -0.074 |
| 11/28/09 | 0.339 | 0.363 | 0.381 | 0.282 | 0.078 | -0.031 | 0.007 | 0.010 | -0.085 | -0.294 | -0.589 | -0.399 | -0.685 | -0.720 | -0.547 | -0.420 | -0.215 | -0.088 | -0.082 | -0.005 | 0.294 | 0.347 | 0.466 | 0.555 | 0.555 | -0.720 | -0.043 |
| 11/29/09 | 0.337 | 0.293 | 0.291 | 0.230 | 0.186 | 0.263 | 0.087 | -0.009 | -0.270 | -0.707 | -0.350 | -0.951 | -0.742 | -0.007 | -0.100 | -0.085 | 0.086 | 0.155 | 0.158 | 0.249 | 0.371 | 0.322 | 0.124 | 0.120 | 0.371 | -0.951 | 0.002 |
| 11/30/09 | 0.138 | 0.052 | 0.071 | 0.080 | -0.001 | -0.019 | 0.023 | 0.038 | -0.219 | -0.467 | -0.356 | -0.620 | -0.373 | -0.469 | -0.454 | -0.313 | -0.072 | 0.254 | 0.414 | 0.314 | 0.186 | 0.183 | 0.226 | 0.395 | 0.414 | -0.620 | -0.041 |

Hourly Averages: 0.407 0.393 0.363 0.420 0.375 0.357 0.355 0.113 -0.364 -0.686 -0.807 -0.881 -0.846 -0.738 -0.632 -0.419 -0.100 0.157 0.263 0.410 0.395 0.427 0.438 0.457

Total Number of Observations: 720

Possible Number of Observations: 720

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

DECEMBER 2009

10-METER TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg | |
|--------------------------------------|------|------|------|-----|------|------|------|------|------|------|---|------|------|------|------|------|------|------|------|------|------|-------------------------------------|------|------|------|------|------|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | |
| 12/01/09 | 4.4 | 4.3 | 3.6 | 4.9 | 4.6 | 4.7 | 4.7 | 5.1 | 6.4 | 8.4 | 9.0 | 9.4 | 10.4 | 10.9 | 10.7 | 10.8 | 10.4 | 9.8 | 9.3 | 9.0 | 8.7 | 9.3 | 8.4 | 9.1 | 10.9 | 3.6 | 7.8 | |
| 12/02/09 | 7.7 | 8.2 | 8.2 | 7.0 | 6.5 | 5.8 | 5.9 | 5.2 | 6.3 | 7.8 | 9.1 | 9.7 | 10.4 | 11.1 | 11.4 | 11.4 | 10.9 | 10.1 | 9.5 | 8.7 | 9.2 | 9.4 | 9.5 | 9.0 | 11.4 | 5.2 | 8.7 | |
| 12/03/09 | 8.8 | 7.9 | 6.8 | 6.6 | 6.1 | 5.5 | 5.5 | 5.2 | 5.8 | 7.8 | 9.0 | 9.5 | 9.9 | 10.2 | 10.3 | 10.3 | 9.8 | 9.1 | 8.8 | 8.3 | 5.7 | 4.8 | 4.2 | 3.5 | 10.3 | 3.5 | 7.5 | |
| 12/04/09 | 2.9 | 2.5 | 2.0 | 1.3 | 1.1 | 0.9 | 0.3 | 0.0 | 0.8 | 1.6 | 2.6 | 4.1 | 5.5 | 6.3 | 7.3 | 7.6 | 7.1 | 5.8 | 4.7 | 4.3 | 4.3 | 3.4 | 2.6 | 1.6 | 7.6 | 0.0 | 3.4 | |
| 12/05/09 | 1.0 | 2.1 | 2.0 | 1.8 | 1.7 | 1.5 | 1.2 | 1.2 | 2.3 | 4.6 | 6.4 | 7.2 | 8.4 | 9.2 | 9.1 | 9.0 | 8.5 | 7.8 | 7.5 | 7.4 | 7.6 | 7.3 | 7.2 | 6.8 | 9.2 | 1.0 | 5.4 | |
| 12/06/09 | 6.3 | 5.7 | 5.0 | 4.3 | 4.1 | 4.2 | 4.3 | 2.2 | 3.2 | 3.2 | 3.3 | 4.0 | 4.9 | 5.7 | 6.4 | 6.7 | 7.0 | 6.9 | 7.1 | 7.3 | 7.3 | 7.1 | 6.7 | 6.5 | 7.3 | 2.2 | 5.4 | |
| 12/07/09 | 6.3 | 6.2 | 6.1 | 6.1 | 6.2 | 6.2 | 6.2 | 6.2 | 6.4 | 6.5 | 6.5 | 6.6 | 6.2 | 6.2 | 5.8 | 5.9 | 6.1 | 6.2 | 6.4 | 6.8 | 6.9 | 7.2 | 6.7 | 7.2 | 5.8 | 6.3 | | |
| 12/08/09 | 6.5 | 5.4 | 3.8 | 3.3 | 2.6 | 1.8 | 0.6 | 0.0 | 0.0 | 0.7 | 1.3 | 1.9 | 2.2 | 2.7 | 3.1 | 3.3 | 3.1 | 2.6 | 2.3 | 2.1 | 2.5 | 3.1 | 3.2 | 3.3 | 6.5 | 0.0 | 2.6 | |
| 12/09/09 | 3.1 | 3.6 | 3.4 | 3.2 | 2.8 | 2.7 | 2.7 | 2.9 | 3.2 | 3.9 | 4.4 | 4.9 | 5.5 | 5.7 | 5.4 | 4.8 | 4.0 | 3.5 | 2.8 | 1.9 | 2.4 | 1.6 | 0.9 | 5.7 | 0.9 | 3.4 | | |
| 12/10/09 | 0.5 | 0.7 | 0.4 | 0.3 | -0.1 | 0.0 | -0.2 | 0.3 | 2.4 | 5.0 | 6.7 | 7.3 | 8.6 | 8.5 | 8.0 | 8.4 | 8.0 | 6.3 | 5.5 | 4.3 | 3.9 | 3.4 | 3.7 | 3.7 | 8.6 | -0.2 | 4.0 | |
| 12/11/09 | 4.5 | 3.8 | 4.1 | 3.2 | 3.1 | 2.6 | 3.1 | 3.1 | 3.9 | 6.5 | 8.6 | 9.7 | 10.6 | 10.6 | 10.2 | 9.9 | 9.7 | 8.7 | 7.5 | 6.6 | 7.1 | 6.3 | 6.3 | 6.3 | 10.6 | 2.6 | 6.5 | |
| 12/12/09 | 6.4 | 7.1 | 5.2 | 6.0 | 6.2 | 5.4 | 5.8 | 5.3 | 5.8 | 6.8 | 8.0 | 9.2 | 9.6 | 10.0 | 10.3 | 10.7 | 10.4 | 9.8 | 9.2 | 8.1 | 8.0 | 8.1 | 7.7 | 7.8 | 10.7 | 5.2 | 7.8 | |
| 12/13/09 | 8.0 | 7.5 | 7.1 | 6.8 | 6.7 | 6.6 | 6.3 | 6.3 | 6.5 | 9.3 | 11.4 | 11.7 | 12.1 | 11.9 | 11.4 | 10.2 | 9.1 | 8.5 | 8.4 | 8.5 | 8.3 | 8.4 | 8.9 | 8.8 | 12.1 | 6.3 | 8.7 | |
| 12/14/09 | 8.3 | 8.2 | 7.8 | 7.7 | 7.3 | 7.6 | 6.9 | 7.2 | 7.1 | 8.1 | 8.8 | 9.8 | 10.0 | 9.8 | 9.8 | 9.4 | 8.8 | 8.3 | 8.1 | 6.8 | 6.1 | 6.0 | 5.4 | 10.0 | 5.4 | 8.0 | | |
| 12/15/09 | 5.6 | 5.9 | 5.6 | 5.6 | 5.1 | 5.6 | 5.2 | 4.4 | 6.2 | 7.0 | 7.7 | 9.3 | 10.5 | 11.5 | 11.9 | 12.4 | 12.0 | 10.4 | 9.1 | 8.6 | 8.3 | 8.5 | 8.7 | 8.3 | 12.4 | 4.4 | 8.1 | |
| 12/16/09 | 7.8 | 7.7 | 7.3 | 7.4 | 7.2 | 7.1 | 7.0 | 7.5 | 8.8 | 10.7 | 12.1 | 11.4 | 12.2 | 12.9 | 13.0 | 13.1 | 12.9 | 11.8 | 11.5 | 11.2 | 11.0 | 10.9 | 10.6 | 10.0 | 13.1 | 7.0 | 10.1 | |
| 12/17/09 | 9.4 | 9.9 | 9.6 | 9.6 | 9.2 | 9.3 | 8.9 | 9.2 | 9.5 | 10.4 | 11.1 | 12.2 | 13.3 | 14.3 | 15.1 | 15.3 | 15.1 | 13.5 | 11.8 | 11.8 | 11.3 | 10.7 | 10.9 | 10.3 | 15.3 | 8.9 | 11.3 | |
| 12/18/09 | 10.5 | 10.1 | 10.3 | 9.7 | 8.7 | 8.6 | 7.7 | 8.1 | 9.8 | 11.2 | 12.2 | 13.0 | 13.8 | 14.7 | 15.4 | 15.5 | 14.9 | 14.1 | 12.7 | 12.0 | 12.3 | 11.0 | 11.4 | 11.0 | 15.5 | 7.7 | 11.6 | |
| 12/19/09 | 10.4 | 9.8 | 9.9 | 9.4 | 9.1 | 8.1 | 7.3 | 7.5 | 8.3 | 8.8 | 9.8 | 11.3 | 12.5 | 13.1 | 13.3 | 13.2 | 13.2 | 12.0 | 11.8 | 10.9 | 10.4 | 10.3 | 9.7 | 9.1 | 13.3 | 7.3 | 10.4 | |
| 12/20/09 | 8.5 | 8.1 | 7.9 | 7.5 | 7.1 | 7.3 | 7.1 | 7.3 | 8.1 | 9.1 | 10.8 | 11.8 | 12.2 | 13.3 | 13.6 | 13.6 | 12.5 | 11.5 | 10.5 | 10.0 | 10.0 | 9.9 | 9.8 | 9.8 | 13.6 | 7.1 | 9.9 | |
| 12/21/09 | 10.1 | 9.3 | 9.3 | 9.0 | 8.5 | 8.1 | 7.9 | 7.9 | 8.6 | 11.0 | 12.0 | 13.0 | 13.3 | 13.4 | 13.2 | 12.8 | 12.7 | 12.4 | 12.0 | 11.1 | 10.8 | 11.4 | 10.1 | 10.6 | 13.4 | 7.9 | 10.8 | |
| 12/22/09 | 10.4 | 9.6 | 9.3 | 8.6 | 8.6 | 8.6 | 8.9 | 10.1 | 10.0 | 9.6 | 10.0 | 10.3 | 10.1 | 10.6 | 10.6 | 5.5 | 4.2 | 3.5 | 3.3 | 3.3 | 3.4 | 3.0 | 2.9 | 2.7 | 10.6 | 2.7 | 7.4 | |
| 12/23/09 | 2.1 | 1.9 | 1.6 | 1.2 | 0.8 | 0.5 | 0.2 | -0.3 | -0.5 | -0.1 | 0.0 | 0.3 | 0.9 | 1.7 | 2.6 | 3.3 | 2.9 | 2.3 | 2.7 | 2.5 | 2.8 | 3.4 | 3.4 | 2.8 | 3.4 | -0.5 | 1.6 | |
| 12/24/09 | 2.9 | 2.7 | 2.0 | 1.1 | 1.8 | 0.4 | 0.3 | 0.2 | 1.7 | 3.8 | 4.8 | 5.3 | 6.3 | 7.1 | 7.5 | 7.7 | 7.4 | 6.2 | 5.0 | 3.7 | 3.0 | 1.8 | 1.7 | 1.4 | 7.7 | 0.2 | 3.6 | |
| 12/25/09 | 1.2 | 1.0 | 0.6 | 0.4 | 0.2 | -0.2 | -0.4 | -0.5 | 0.7 | 3.5 | 5.4 | 6.2 | 6.5 | 6.7 | 6.8 | 6.4 | 5.7 | 4.8 | 4.2 | 3.2 | 2.4 | 1.9 | 2.1 | 2.2 | 6.8 | -0.5 | 3.0 | |
| 12/26/09 | 2.1 | 2.3 | 2.7 | 2.4 | 2.8 | 2.4 | 2.0 | 1.5 | 2.1 | 2.5 | 3.3 | 4.3 | 4.9 | 5.8 | 6.5 | 6.7 | 6.3 | 5.6 | 4.2 | 3.5 | 3.0 | 2.4 | 2.5 | 1.7 | 6.7 | 1.5 | 3.5 | |
| 12/27/09 | 0.8 | 0.6 | 0.8 | 0.2 | -0.3 | -0.4 | -0.1 | 0.3 | 2.1 | 3.2 | 4.3 | 5.5 | 6.2 | 7.4 | 8.4 | 9.0 | 8.6 | 7.2 | 6.0 | 5.8 | 5.6 | 5.8 | 5.9 | 5.3 | 9.0 | -0.4 | 4.1 | |
| 12/28/09 | 5.1 | 5.0 | 4.7 | 4.7 | 4.4 | 4.8 | 4.8 | 4.8 | 5.4 | 5.6 | 6.0 | 6.6 | 7.1 | 7.4 | 8.2 | 8.1 | 7.9 | 7.2 | 7.0 | 6.8 | 6.6 | 6.4 | 6.0 | 5.0 | 8.2 | 4.4 | 6.1 | |
| 12/29/09 | 5.3 | 5.2 | 5.0 | 4.8 | 4.9 | 4.3 | 4.4 | 4.0 | 3.9 | 4.6 | 5.5 | 6.1 | 7.5 | 8.1 | 8.2 | 8.2 | 7.8 | 7.3 | 7.0 | 6.4 | 5.9 | 5.7 | 6.3 | 6.7 | 8.2 | 3.9 | 6.0 | |
| 12/30/09 | 6.1 | 4.7 | 4.3 | 4.9 | 4.2 | 4.1 | 3.1 | 2.9 | 3.2 | 5.2 | 6.9 | 7.0 | 7.5 | 7.7 | 7.9 | 7.9 | 8.0 | 7.8 | 7.7 | 7.7 | 7.3 | 6.8 | 6.6 | 6.6 | 8.0 | 2.9 | 6.1 | |
| 12/31/09 | 6.6 | 6.4 | 5.9 | 5.8 | 5.0 | 3.6 | 3.0 | 3.8 | 4.2 | 4.7 | 5.4 | 6.2 | 7.2 | 8.1 | 8.7 | 8.9 | 8.8 | 7.7 | 6.9 | 6.8 | 6.7 | 6.6 | 5.8 | 5.5 | 8.9 | 3.0 | 6.2 | |
| Hourly Averages | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum Hourly Temperature: | | | | | | | | | | | Minimum Hourly Temperature: | | | | | | | | | | | Average Monthly Temperature: | | | | | | |
| 15.5 | | | | | | | | | | | -0.5 | | | | | | | | | | | 6.6 | | | | | | |
| Maximum 24-Hour Mean: | | | | | | | | | | | Minimum 24-Hour Mean: | | | | | | | | | | | 1.6 | | | | | | |
| Total Number of Observations: | | | | | | | | | | | Possible Number of Observations: | | | | | | | | | | | INV = Invalid Data | | | | | | |
| 744 | | | | | | | | | | | ND = No Data Collection | | | | | | | | | | | | | | | | | |

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE
DECEMBER 2009

2-METER TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|-----|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 12/01/09 | 4.2 | 4.1 | 3.4 | 4.3 | 4.3 | 4.1 | 4.0 | 4.5 | 6.8 | 9.0 | 9.4 | 10.0 | 11.1 | 11.6 | 11.3 | 11.1 | 10.5 | 9.8 | 9.4 | 8.9 | 8.2 | 9.0 | 7.8 | 8.7 | 11.6 | 3.4 | 7.7 |
| 12/02/09 | 7.1 | 7.5 | 7.6 | 6.3 | 5.9 | 4.8 | 5.5 | 4.8 | 6.5 | 8.4 | 9.9 | 10.4 | 11.3 | 12.0 | 12.1 | 11.8 | 11.1 | 10.1 | 9.5 | 8.3 | 8.9 | 9.3 | 9.3 | 8.8 | 12.1 | 4.8 | 8.6 |
| 12/03/09 | 8.7 | 7.2 | 6.3 | 6.1 | 5.6 | 4.8 | 5.2 | 4.9 | 5.8 | 8.3 | 9.6 | 10.2 | 10.6 | 10.9 | 10.9 | 10.8 | 10.0 | 9.1 | 8.8 | 8.2 | 5.6 | 4.7 | 4.0 | 3.4 | 10.9 | 3.4 | 7.5 |
| 12/04/09 | 2.8 | 2.5 | 1.9 | 1.2 | 1.1 | 0.8 | 0.2 | 0.0 | 1.2 | 2.2 | 3.4 | 5.1 | 6.5 | 7.4 | 8.2 | 8.3 | 7.1 | 5.6 | 4.5 | 4.0 | 4.0 | 3.1 | 2.3 | 1.3 | 8.3 | 0.0 | 3.5 |
| 12/05/09 | 0.8 | 1.9 | 1.8 | 1.6 | 1.6 | 1.4 | 1.1 | 1.1 | 2.6 | 5.3 | 7.2 | 8.1 | 9.3 | 9.8 | 9.5 | 9.2 | 8.6 | 7.8 | 7.3 | 7.1 | 7.4 | 7.2 | 7.1 | 6.7 | 9.8 | 0.8 | 5.5 |
| 12/06/09 | 6.2 | 5.6 | 5.0 | 4.3 | 4.2 | 4.3 | 4.4 | 2.3 | 3.2 | 3.3 | 3.5 | 4.3 | 5.2 | 6.1 | 6.8 | 6.9 | 7.2 | 7.0 | 7.1 | 7.3 | 7.3 | 7.1 | 6.8 | 6.6 | 7.3 | 2.3 | 5.5 |
| 12/07/09 | 6.4 | 6.3 | 6.2 | 6.1 | 6.2 | 6.2 | 6.3 | 6.3 | 6.6 | 6.6 | 6.6 | 6.5 | 6.7 | 6.3 | 6.3 | 5.9 | 6.0 | 6.2 | 6.3 | 6.6 | 6.9 | 7.2 | 7.3 | 6.7 | 7.3 | 5.9 | 6.4 |
| 12/08/09 | 6.6 | 5.5 | 3.9 | 3.4 | 2.7 | 1.9 | 0.7 | 0.1 | 0.2 | 1.1 | 1.7 | 2.4 | 2.8 | 3.4 | 3.8 | 3.8 | 3.3 | 2.6 | 2.2 | 2.0 | 2.2 | 3.0 | 3.2 | 3.3 | 6.6 | 0.1 | 2.8 |
| 12/09/09 | 3.0 | 3.5 | 3.5 | 3.2 | 2.9 | 2.8 | 2.7 | 2.7 | 3.0 | 3.5 | 4.6 | 5.1 | 5.7 | 6.2 | 6.4 | 6.0 | 5.1 | 4.0 | 3.3 | 2.5 | 1.4 | 1.6 | 1.0 | 0.5 | 6.4 | 0.5 | 3.5 |
| 12/10/09 | 0.2 | 0.5 | 0.1 | 0.1 | -0.4 | -0.3 | -0.4 | 0.3 | 2.9 | 5.5 | 7.6 | 8.1 | 9.6 | 9.1 | 8.3 | 8.8 | 8.3 | 6.2 | 5.2 | 4.0 | 3.6 | 3.0 | 3.2 | 3.2 | 9.6 | -0.4 | 4.0 |
| 12/11/09 | 3.7 | 3.0 | 3.0 | 2.7 | 2.4 | 2.2 | 2.3 | 2.7 | 4.1 | 7.1 | 9.3 | 10.6 | 11.6 | 11.3 | 10.7 | 10.3 | 9.8 | 8.6 | 7.1 | 6.3 | 6.5 | 6.0 | 5.8 | 5.9 | 11.6 | 2.2 | 6.4 |
| 12/12/09 | 5.9 | 6.4 | 4.6 | 5.6 | 5.6 | 4.9 | 5.0 | 4.9 | 5.6 | 7.0 | 8.6 | 9.8 | 10.3 | 10.6 | 10.7 | 11.3 | 10.5 | 9.6 | 8.9 | 7.7 | 7.5 | 7.3 | 7.2 | 7.3 | 11.3 | 4.6 | 7.6 |
| 12/13/09 | 7.5 | 6.9 | 6.5 | 6.4 | 6.2 | 5.9 | 5.7 | 5.7 | 6.7 | 9.8 | 11.9 | 12.2 | 12.4 | 12.0 | 11.6 | 10.4 | 9.2 | 8.6 | 8.5 | 8.6 | 8.4 | 8.4 | 8.9 | 8.8 | 12.4 | 5.7 | 8.6 |
| 12/14/09 | 8.2 | 8.0 | 7.6 | 7.5 | 7.0 | 7.4 | 6.6 | 7.1 | 7.1 | 8.4 | 9.3 | 10.4 | 10.7 | 10.3 | 10.4 | 10.5 | 9.7 | 8.7 | 8.3 | 8.0 | 6.3 | 5.6 | 5.7 | 5.2 | 10.7 | 5.2 | 8.1 |
| 12/15/09 | 5.4 | 5.8 | 5.5 | 5.4 | 4.9 | 5.3 | 5.0 | 4.3 | 6.3 | 7.5 | 8.4 | 10.0 | 11.2 | 12.2 | 12.4 | 12.6 | 11.9 | 10.2 | 8.9 | 8.5 | 8.1 | 8.3 | 8.6 | 8.2 | 12.6 | 4.3 | 8.1 |
| 12/16/09 | 7.7 | 7.6 | 7.2 | 7.3 | 7.1 | 6.9 | 6.9 | 7.4 | 8.9 | 11.2 | 12.6 | 12.0 | 12.9 | 13.6 | 13.6 | 13.4 | 12.9 | 11.6 | 11.2 | 10.9 | 10.8 | 10.6 | 10.3 | 9.7 | 13.6 | 6.9 | 10.2 |
| 12/17/09 | 9.1 | 9.7 | 9.3 | 9.3 | 8.9 | 9.1 | 8.7 | 9.0 | 9.7 | 10.9 | 11.8 | 13.1 | 14.3 | 15.3 | 15.8 | 15.7 | 14.9 | 13.2 | 11.3 | 11.6 | 11.0 | 10.3 | 10.4 | 10.0 | 15.8 | 8.7 | 11.4 |
| 12/18/09 | 10.2 | 9.8 | 10.0 | 9.5 | 8.5 | 8.4 | 7.6 | 7.9 | 9.9 | 11.6 | 12.9 | 13.9 | 14.8 | 15.7 | 16.2 | 15.9 | 14.9 | 13.7 | 12.2 | 11.3 | 12.0 | 10.8 | 11.2 | 10.7 | 16.2 | 7.6 | 11.6 |
| 12/19/09 | 10.2 | 9.6 | 9.7 | 9.3 | 8.9 | 8.0 | 7.2 | 7.4 | 8.5 | 9.2 | 10.4 | 12.1 | 13.4 | 13.8 | 13.8 | 13.5 | 13.2 | 11.9 | 11.6 | 10.8 | 10.2 | 10.1 | 9.6 | 9.0 | 13.9 | 7.2 | 10.5 |
| 12/20/09 | 8.4 | 7.9 | 7.8 | 7.4 | 6.9 | 7.1 | 7.0 | 7.2 | 8.3 | 9.6 | 11.7 | 12.8 | 13.2 | 14.1 | 14.1 | 13.9 | 12.6 | 11.4 | 10.4 | 9.8 | 9.7 | 9.6 | 9.6 | 9.4 | 14.1 | 6.9 | 10.0 |
| 12/21/09 | 9.7 | 8.9 | 9.0 | 8.6 | 8.1 | 7.7 | 7.6 | 7.6 | 8.6 | 11.5 | 12.5 | 13.7 | 13.9 | 13.8 | 13.5 | 13.0 | 12.7 | 12.1 | 11.4 | 10.7 | 10.1 | 10.6 | 9.6 | 9.9 | 13.9 | 7.6 | 10.6 |
| 12/22/09 | 9.5 | 9.0 | 8.9 | 8.4 | 8.3 | 8.4 | 9.8 | 9.9 | 9.5 | 10.0 | 10.2 | 10.5 | 10.3 | 10.9 | 10.7 | 5.6 | 4.3 | 3.6 | 3.4 | 3.4 | 3.1 | 3.0 | 2.7 | 10.9 | 2.7 | 7.4 | |
| 12/23/09 | 2.1 | 2.0 | 1.8 | 1.3 | 0.7 | 0.6 | 0.2 | -0.3 | -0.3 | 0.2 | 0.3 | 0.6 | 1.4 | 2.4 | 3.3 | 3.8 | 3.1 | 2.5 | 2.7 | 2.5 | 2.7 | 3.2 | 3.3 | 2.6 | 3.8 | -0.3 | 1.8 |
| 12/24/09 | 2.8 | 2.5 | 1.4 | 0.7 | 1.2 | -0.1 | -0.1 | -0.1 | 1.9 | 4.2 | 5.4 | 6.1 | 7.1 | 7.8 | 8.3 | 8.2 | 7.4 | 5.9 | 4.5 | 3.5 | 2.4 | 1.6 | 1.6 | 1.3 | 8.3 | -0.1 | 3.6 |
| 12/25/09 | 1.1 | 0.8 | 0.4 | 0.2 | -0.2 | -0.8 | -0.9 | -1.1 | 1.0 | 4.2 | 6.2 | 6.7 | 6.9 | 7.3 | 7.3 | 6.8 | 5.9 | 4.8 | 4.1 | 2.7 | 1.8 | 1.6 | 1.8 | 2.0 | 7.3 | -1.1 | 2.9 |
| 12/26/09 | 1.9 | 2.0 | 2.4 | 2.2 | 2.5 | 2.2 | 1.8 | 1.3 | 2.2 | 3.0 | 4.1 | 5.3 | 5.8 | 6.8 | 7.5 | 7.4 | 6.3 | 5.4 | 4.0 | 3.4 | 2.8 | 2.2 | 2.4 | 1.5 | 7.5 | 1.3 | 3.6 |
| 12/27/09 | 0.7 | 0.6 | 0.6 | 0.0 | -0.4 | -0.6 | -0.4 | 0.0 | 2.3 | 3.8 | 5.2 | 6.6 | 7.4 | 8.6 | 9.3 | 9.6 | 8.6 | 6.9 | 5.3 | 5.4 | 5.2 | 5.6 | 5.7 | 5.2 | 9.6 | -0.6 | 4.2 |
| 12/28/09 | 5.1 | 5.0 | 4.6 | 4.6 | 4.4 | 4.8 | 4.8 | 4.8 | 5.4 | 5.7 | 6.2 | 6.8 | 7.4 | 7.7 | 8.4 | 8.2 | 7.9 | 7.2 | 6.9 | 6.8 | 6.6 | 6.4 | 5.9 | 4.9 | 8.4 | 4.4 | 6.1 |
| 12/29/09 | 5.2 | 5.1 | 4.9 | 4.7 | 4.9 | 4.2 | 4.4 | 4.0 | 4.0 | 5.0 | 5.9 | 6.7 | 8.3 | 8.8 | 8.7 | 8.5 | 7.9 | 7.3 | 6.9 | 6.0 | 5.4 | 5.2 | 5.9 | 6.5 | 8.8 | 4.0 | 6.0 |
| 12/30/09 | 5.9 | 4.1 | 3.9 | 4.5 | 3.9 | 3.7 | 2.7 | 2.4 | 3.2 | 5.8 | 7.6 | 7.6 | 8.1 | 8.1 | 8.2 | 7.8 | 7.7 | 7.8 | 7.4 | 6.8 | 6.8 | 6.7 | 8.2 | 2.4 | 6.1 | | |
| 12/31/09 | 6.7 | 6.5 | 5.9 | 5.8 | 4.8 | 3.4 | 2.9 | 3.7 | 4.4 | 5.1 | 6.1 | 7.1 | 8.1 | 8.9 | 9.2 | 9.3 | 8.8 | 7.5 | 6.7 | 6.6 | 6.5 | 6.4 | 5.6 | 5.3 | 9.3 | 2.9 | 6.3 |

Hourly Averages

5.6 5.3 5.0 4.8 4.5 4.2 4.0 5.0 6.6 7.7 8.5 9.3 9.8 9.9 9.6 9.0 8.0 7.3 6.8 6.5 6.3 6.1 5.9

Maximum Hourly Temperature: 16.2 **Minimum Hourly Temperature:** -1.1 **Average Monthly Temperature:** 6.6

Maximum 24-Hour Mean: 11.6 **Minimum 24-Hour Mean:** 1.8

Total Number of Observations: 744

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

DECEMBER 2009

DIFFERENTIAL TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 12/01/09 | 0.228 | 0.238 | 0.254 | 0.629 | 0.361 | 0.554 | 0.740 | 0.619 | -0.364 | -0.586 | -0.399 | -0.637 | -0.681 | -0.744 | -0.556 | -0.345 | -0.104 | -0.033 | -0.025 | 0.086 | 0.495 | 0.247 | 0.598 | 0.402 | 0.740 | -0.744 | 0.041 |
| 12/02/09 | 0.581 | 0.724 | 0.605 | 0.743 | 0.514 | 0.978 | 0.402 | 0.334 | -0.200 | -0.581 | -0.772 | -0.690 | -0.845 | -0.824 | -0.662 | -0.461 | -0.166 | 0.018 | 0.069 | 0.425 | 0.351 | 0.146 | 0.160 | 0.218 | 0.978 | -0.845 | 0.044 |
| 12/03/09 | 0.171 | 0.648 | 0.590 | 0.476 | 0.527 | 0.699 | 0.374 | 0.313 | 0.018 | -0.534 | -0.610 | -0.688 | -0.717 | -0.701 | -0.626 | -0.499 | -0.213 | -0.007 | 0.041 | 0.127 | 0.145 | 0.132 | 0.135 | 0.099 | 0.699 | -0.717 | -0.004 |
| 12/04/09 | 0.084 | 0.076 | 0.096 | 0.086 | 0.082 | 0.113 | 0.072 | -0.048 | -0.356 | -0.593 | -0.809 | -0.951 | -1.043 | -1.141 | -0.915 | -0.678 | -0.003 | 0.117 | 0.253 | 0.235 | 0.213 | 0.315 | 0.310 | 0.233 | 0.315 | -1.141 | -0.177 |
| 12/05/09 | 0.220 | 0.223 | 0.160 | 0.196 | 0.160 | 0.107 | 0.091 | 0.057 | -0.335 | -0.624 | -0.794 | -0.925 | -0.820 | -0.539 | -0.406 | -0.223 | -0.096 | -0.011 | 0.196 | 0.253 | 0.121 | 0.153 | 0.110 | 0.136 | 0.253 | -0.925 | -0.108 |
| 12/06/09 | 0.141 | 0.076 | 0.028 | 0.067 | -0.069 | -0.066 | -0.071 | -0.040 | -0.018 | -0.109 | -0.184 | -0.254 | -0.294 | -0.368 | -0.386 | -0.206 | -0.154 | -0.033 | 0.079 | 0.030 | 0.013 | -0.051 | -0.090 | -0.101 | 0.141 | -0.386 | -0.086 |
| 12/07/09 | -0.090 | -0.060 | -0.058 | -0.055 | -0.052 | -0.063 | -0.095 | -0.090 | -0.115 | -0.122 | -0.077 | -0.064 | -0.053 | -0.077 | -0.100 | -0.089 | -0.082 | -0.068 | -0.082 | -0.134 | -0.127 | -0.333 | -0.055 | -0.045 | -0.045 | -0.333 | -0.091 |
| 12/08/09 | -0.091 | -0.099 | -0.112 | -0.119 | -0.136 | -0.127 | -0.082 | -0.101 | -0.202 | -0.399 | -0.382 | -0.564 | -0.674 | -0.688 | -0.662 | -0.536 | -0.245 | -0.016 | 0.070 | 0.140 | 0.280 | 0.044 | -0.005 | 0.020 | 0.280 | -0.688 | -0.195 |
| 12/09/09 | 0.116 | 0.026 | -0.057 | -0.029 | -0.075 | -0.038 | 0.027 | 0.001 | -0.108 | -0.279 | -0.660 | -0.672 | -0.756 | -0.715 | -0.742 | -0.624 | -0.271 | 0.058 | 0.242 | 0.312 | 0.526 | 0.790 | 0.620 | 0.357 | 0.790 | -0.756 | -0.081 |
| 12/10/09 | 0.307 | 0.197 | 0.277 | 0.262 | 0.275 | 0.256 | 0.189 | -0.003 | -0.431 | -0.509 | -0.827 | -0.760 | -0.940 | -0.552 | -0.327 | -0.398 | -0.263 | 0.131 | 0.372 | 0.355 | 0.340 | 0.477 | 0.454 | 0.487 | 0.487 | -0.940 | -0.026 |
| 12/11/09 | 0.750 | 0.776 | 1.082 | 0.572 | 0.772 | 0.438 | 0.842 | 0.429 | -0.196 | -0.645 | -0.663 | -0.921 | -0.917 | -0.659 | -0.496 | -0.418 | -0.153 | 0.093 | 0.349 | 0.328 | 0.633 | 0.296 | 0.582 | 0.343 | 1.082 | -0.921 | 0.134 |
| 12/12/09 | 0.427 | 0.681 | 0.572 | 0.403 | 0.666 | 0.498 | 0.840 | 0.385 | 0.288 | -0.172 | -0.520 | -0.605 | -0.662 | -0.594 | -0.428 | -0.512 | -0.099 | 0.231 | 0.324 | 0.490 | 0.555 | 0.797 | 0.519 | 0.569 | 0.840 | -0.662 | 0.194 |
| 12/13/09 | 0.568 | 0.600 | 0.545 | 0.420 | 0.509 | 0.719 | 0.575 | 0.624 | -0.160 | -0.445 | -0.514 | -0.444 | -0.350 | -0.171 | -0.149 | -0.205 | -0.138 | -0.148 | -0.118 | -0.088 | -0.092 | -0.043 | -0.015 | 0.040 | 0.719 | -0.514 | 0.063 |
| 12/14/09 | 0.096 | 0.206 | 0.252 | 0.215 | 0.268 | 0.186 | 0.295 | 0.160 | 0.023 | -0.322 | -0.439 | -0.680 | -0.681 | -0.508 | -0.608 | -0.613 | -0.253 | 0.053 | 0.035 | 0.093 | 0.468 | 0.497 | 0.373 | 0.213 | 0.497 | -0.681 | -0.028 |
| 12/15/09 | 0.229 | 0.113 | 0.113 | 0.144 | 0.233 | 0.238 | 0.195 | 0.103 | -0.192 | -0.495 | -0.713 | -0.781 | -0.697 | -0.697 | -0.548 | -0.260 | 0.076 | 0.201 | 0.130 | 0.120 | 0.148 | 0.192 | 0.165 | 0.139 | 0.238 | -0.781 | -0.077 |
| 12/16/09 | 0.129 | 0.121 | 0.084 | 0.108 | 0.147 | 0.176 | 0.109 | 0.047 | -0.163 | -0.508 | -0.492 | -0.594 | -0.691 | -0.650 | -0.615 | -0.338 | 0.026 | 0.209 | 0.268 | 0.281 | 0.234 | 0.314 | 0.302 | 0.267 | 0.314 | -0.691 | -0.051 |
| 12/17/09 | 0.250 | 0.236 | 0.287 | 0.277 | 0.258 | 0.212 | 0.223 | 0.159 | -0.208 | -0.497 | -0.678 | -0.879 | -0.944 | -0.931 | -0.716 | -0.364 | 0.155 | 0.315 | 0.440 | 0.278 | 0.316 | 0.397 | 0.532 | 0.285 | 0.532 | -0.944 | -0.025 |
| 12/18/09 | 0.311 | 0.338 | 0.302 | 0.258 | 0.258 | 0.218 | 0.189 | 0.151 | -0.112 | -0.395 | -0.686 | -0.867 | -0.992 | -0.998 | -0.842 | -0.381 | -0.022 | 0.458 | 0.483 | 0.670 | 0.293 | 0.208 | 0.217 | 0.231 | 0.670 | -0.998 | -0.030 |
| 12/19/09 | 0.176 | 0.164 | 0.155 | 0.129 | 0.123 | 0.074 | 0.053 | 0.039 | -0.202 | -0.486 | -0.647 | -0.759 | -0.868 | -0.813 | -0.509 | -0.252 | -0.043 | 0.117 | 0.159 | 0.136 | 0.152 | 0.175 | 0.134 | 0.120 | 0.176 | -0.868 | -0.111 |
| 12/20/09 | 0.099 | 0.111 | 0.116 | 0.102 | 0.160 | 0.178 | 0.151 | 0.101 | -0.229 | -0.571 | -0.868 | -1.010 | -0.952 | -0.817 | -0.517 | -0.278 | -0.079 | 0.063 | 0.133 | 0.165 | 0.310 | 0.274 | 0.211 | 0.423 | 0.423 | -1.010 | -0.113 |
| 12/21/09 | 0.424 | 0.428 | 0.355 | 0.397 | 0.393 | 0.330 | 0.302 | 0.249 | 0.028 | -0.504 | -0.506 | -0.706 | -0.570 | -0.359 | -0.296 | -0.161 | 0.015 | 0.286 | 0.555 | 0.408 | 0.667 | 0.784 | 0.563 | 0.690 | 0.784 | -0.706 | 0.157 |
| 12/22/09 | 0.843 | 0.571 | 0.378 | 0.235 | 0.335 | 0.529 | 0.327 | 0.182 | 0.120 | -0.070 | -0.167 | -0.222 | -0.227 | -0.245 | -0.155 | -0.091 | -0.155 | -0.124 | -0.083 | -0.043 | 0.001 | -0.028 | -0.065 | -0.070 | 0.843 | -0.245 | 0.074 |
| 12/23/09 | 0.008 | -0.107 | -0.120 | -0.078 | 0.027 | -0.066 | -0.016 | -0.068 | -0.225 | -0.359 | -0.300 | -0.337 | -0.537 | -0.696 | -0.709 | -0.477 | -0.218 | -0.115 | 0.029 | 0.022 | 0.064 | 0.124 | 0.128 | 0.179 | 0.179 | -0.709 | -0.160 |
| 12/24/09 | 0.092 | 0.226 | 0.518 | 0.436 | 0.592 | 0.489 | 0.408 | 0.276 | -0.230 | -0.450 | -0.573 | -0.760 | -0.803 | -0.756 | -0.831 | -0.531 | -0.032 | 0.306 | 0.495 | 0.286 | 0.617 | 0.259 | 0.087 | 0.067 | 0.617 | -0.831 | 0.008 |
| 12/25/09 | 0.096 | 0.225 | 0.229 | 0.257 | 0.426 | 0.608 | 0.518 | 0.580 | -0.297 | -0.642 | -0.803 | -0.452 | -0.479 | -0.615 | -0.528 | -0.422 | -0.167 | -0.003 | 0.095 | 0.555 | 0.582 | 0.351 | 0.276 | 0.260 | 0.608 | -0.803 | 0.027 |
| 12/26/09 | 0.236 | 0.280 | 0.281 | 0.217 | 0.251 | 0.223 | 0.211 | 0.145 | -0.130 | -0.498 | -0.742 | -0.929 | -0.947 | -0.929 | -0.917 | -0.638 | 0.066 | 0.205 | 0.131 | 0.159 | 0.211 | 0.244 | 0.130 | 0.185 | 0.281 | -0.947 | -0.106 |
| 12/27/09 | 0.115 | 0.073 | 0.174 | 0.153 | 0.132 | 0.189 | 0.327 | 0.299 | -0.234 | -0.566 | -0.864 | -1.023 | -1.126 | -1.134 | -0.909 | -0.589 | -0.082 | 0.381 | 0.733 | 0.486 | 0.374 | 0.169 | 0.191 | 0.122 | 0.733 | -1.134 | -0.109 |
| 12/28/09 | 0.046 | 0.049 | 0.062 | 0.074 | 0.024 | 0.029 | 0.017 | -0.007 | -0.031 | -0.111 | -0.189 | -0.234 | -0.278 | -0.311 | -0.219 | -0.143 | -0.055 | 0.012 | 0.065 | 0.038 | 0.015 | 0.067 | 0.135 | 0.094 | 0.135 | -0.311 | -0.035 |
| 12/29/09 | 0.113 | 0.106 | 0.092 | 0.030 | 0.051 | 0.030 | 0.061 | 0.010 | -0.130 | -0.365 | -0.312 | -0.608 | -0.780 | -0.644 | -0.436 | -0.344 | -0.121 | 0.005 | 0.105 | 0.404 | 0.491 | 0.573 | 0.384 | 0.183 | 0.573 | -0.780 | -0.046 |
| 12/30/09 | 0.192 | 0.663 | 0.358 | 0.382 | 0.309 | 0.352 | 0.431 | 0.480 | -0.048 | -0.611 | -0.707 | -0.577 | -0.570 | -0.421 | -0.291 | -0.207 | -0.176 | -0.096 | -0.057 | -0.091 | -0.086 | -0.078 | -0.091 | -0.105 | 0.663 | -0.707 | -0.044 |
| 12/31/09 | -0.112 | -0.091 | 0.036 | 0.054 | 0.168 | 0.226 | 0.107 | 0.147 | -0.202 | -0.434 | -0.770 | -0.880 | -0.879 | -0.765 | -0.589 | -0.405 | -0.065 | 0.148 | 0.144 | 0.181 | 0.171 | 0.184 | 0.202 | 0.191 | 0.226 | -0.880 | -0.135 |

Hourly Averages

0.218 0.252 0.247 0.227 0.248 0.267 0.252 0.178 -0.150 -0.435 -0.570 -0.660 -0.702 -0.647 -0.538 -0.377 -0.101 0.089 0.182 0.216 0.274 0.248 0.232 0.201

Maximum Hourly Differential Temperature: 1.082

Minimum Hourly Differential Temperature: -1.141

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

OCTOBER 2009

TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 10/01/09 | 17.0 | 15.9 | 16.0 | 14.9 | 14.6 | 14.5 | 13.8 | 15.7 | 16.6 | 17.8 | 19.6 | 21.6 | 23.0 | 23.8 | 24.6 | 24.7 | 24.4 | 23.0 | 21.3 | 20.3 | 19.1 | 17.6 | 16.8 | 16.9 | 24.7 | 13.8 | 18.9 |
| 10/02/09 | 16.3 | 15.7 | 17.4 | 15.8 | 14.6 | 14.7 | 14.5 | 16.4 | 19.4 | 21.4 | 21.4 | 22.6 | 23.3 | 24.3 | 24.3 | 24.1 | 23.5 | 22.4 | 21.4 | 21.1 | 20.8 | 20.6 | 19.0 | 19.3 | 24.3 | 14.5 | 19.8 |
| 10/03/09 | 19.5 | 19.2 | 17.7 | 16.8 | 15.8 | 15.2 | 14.2 | 15.2 | 17.7 | 19.1 | 19.4 | 19.7 | 21.1 | 22.0 | 22.6 | 22.6 | 22.0 | 20.9 | 19.9 | 19.1 | 18.9 | 18.6 | 18.0 | 17.1 | 22.6 | 14.2 | 18.8 |
| 10/04/09 | 16.4 | 16.1 | 16.0 | 15.7 | 15.5 | 15.3 | 15.3 | 15.5 | 16.5 | 17.3 | 18.8 | 20.4 | 21.3 | 22.2 | 22.7 | 23.0 | 22.9 | 21.9 | 21.0 | 19.9 | 19.0 | 18.0 | 17.3 | 16.8 | 23.0 | 15.3 | 18.5 |
| 10/05/09 | 16.6 | 15.8 | 14.9 | 14.3 | 13.9 | 13.8 | 13.6 | 14.1 | 14.9 | 15.5 | 16.2 | 17.0 | 16.9 | 17.1 | 18.7 | 19.0 | 19.0 | 17.7 | 16.7 | 16.0 | 15.3 | 14.2 | 14.2 | 13.8 | 19.0 | 13.6 | 15.8 |
| 10/06/09 | 13.7 | 13.4 | 13.2 | 13.6 | 13.7 | 13.3 | 12.9 | 14.1 | 17.8 | 19.4 | 19.2 | 20.4 | 20.8 | 21.5 | 21.7 | 21.5 | 20.3 | 19.1 | 18.4 | 18.3 | 18.2 | 16.6 | 15.6 | 21.7 | 12.9 | 17.4 | |
| 10/07/09 | 14.9 | 15.5 | 14.0 | 14.6 | 14.0 | 14.3 | 14.4 | 15.4 | 16.2 | 16.4 | 16.0 | 16.6 | 17.0 | 18.0 | 18.1 | 18.1 | 18.2 | 17.5 | 16.2 | 15.3 | 15.0 | 14.4 | 14.3 | 14.0 | 18.2 | 14.0 | 15.8 |
| 10/08/09 | 12.4 | 13.0 | 12.8 | 12.3 | 12.0 | 10.9 | 10.9 | 11.8 | 13.1 | 14.0 | 15.3 | 16.4 | 17.2 | 17.6 | 18.2 | 18.0 | 17.6 | 16.8 | 16.0 | 15.6 | 15.4 | 15.3 | 15.3 | 15.0 | 18.2 | 10.9 | 14.7 |
| 10/09/09 | 13.1 | 13.5 | 12.3 | 11.5 | 11.0 | 11.4 | 11.0 | 13.2 | 16.7 | 17.9 | 18.0 | 19.0 | 20.2 | 20.7 | 21.5 | 21.1 | 21.0 | 19.6 | 18.5 | 17.9 | 17.2 | 17.2 | 16.2 | 15.3 | 21.5 | 11.0 | 16.5 |
| 10/10/09 | 14.8 | 14.3 | 14.6 | 13.6 | 13.8 | 13.7 | 13.2 | 14.7 | 18.7 | 20.8 | 21.8 | 23.1 | 23.7 | 23.5 | 23.3 | 22.8 | 21.9 | 21.1 | 20.0 | 19.4 | 18.5 | 18.3 | 16.8 | 16.9 | 23.7 | 13.2 | 18.5 |
| 10/11/09 | 17.0 | 16.4 | 16.1 | 15.6 | 14.8 | 14.3 | 14.0 | 16.4 | 18.3 | 18.7 | 19.4 | 20.6 | 21.2 | 21.6 | 22.1 | 21.7 | 21.2 | 20.3 | 19.5 | 18.7 | 18.2 | 17.1 | 17.2 | 17.8 | 22.1 | 14.0 | 18.3 |
| 10/12/09 | 17.6 | 16.0 | 15.0 | 13.9 | 13.9 | 14.0 | 13.1 | 15.9 | 17.7 | 18.2 | 19.3 | 20.5 | 21.3 | 22.5 | 22.9 | 23.0 | 22.5 | 21.4 | 20.5 | 19.9 | 19.2 | 18.1 | 17.4 | 16.6 | 23.0 | 13.1 | 18.4 |
| 10/13/09 | 16.0 | 15.3 | 14.4 | 13.6 | 13.1 | 12.9 | 12.7 | 13.3 | 14.1 | 15.5 | 16.8 | 18.4 | 19.2 | 20.4 | 21.1 | 20.7 | 20.7 | 19.3 | 18.3 | 17.9 | 17.7 | 17.0 | 16.2 | 16.6 | 21.1 | 12.7 | 16.7 |
| 10/14/09 | 16.6 | 16.0 | 15.8 | 14.6 | 13.7 | 13.3 | 13.2 | 15.3 | 17.8 | 19.5 | 20.1 | 21.0 | 21.8 | 22.2 | 22.6 | 22.7 | 22.2 | 20.8 | 19.7 | 19.2 | 18.8 | 17.7 | 16.7 | 17.4 | 22.7 | 13.2 | 18.3 |
| 10/15/09 | 16.2 | 16.9 | 15.6 | 15.0 | 14.6 | 14.5 | 14.6 | 16.8 | 19.8 | 21.8 | 23.2 | 24.2 | 24.6 | 24.8 | 25.3 | 25.4 | 24.7 | 23.3 | 22.4 | 21.9 | 20.2 | 20.5 | 21.3 | 19.2 | 25.4 | 14.5 | 20.3 |
| 10/16/09 | 19.6 | 19.0 | 17.9 | 17.8 | 17.6 | 18.2 | 21.2 | 22.6 | 23.9 | 25.0 | 26.6 | 28.4 | 29.5 | 30.0 | 29.5 | 29.1 | 27.7 | 26.2 | 24.9 | 24.1 | 23.0 | 23.6 | 23.1 | 30.0 | 17.6 | 23.6 | |
| 10/17/09 | 22.1 | 21.4 | 21.4 | 21.9 | 21.2 | 20.8 | 20.7 | 21.9 | 23.6 | 25.2 | 27.1 | 28.1 | 28.9 | 29.4 | 29.9 | 30.1 | 29.4 | 28.0 | 25.9 | 24.8 | 24.1 | 23.5 | 23.3 | 23.5 | 30.1 | 20.7 | 24.8 |
| 10/18/09 | 23.3 | 22.8 | 21.2 | 20.2 | 19.7 | 19.2 | 18.9 | 20.1 | 22.4 | 24.2 | 25.5 | 27.1 | 28.1 | 28.9 | 29.3 | 28.9 | 27.9 | 26.5 | 25.9 | 25.0 | 23.4 | 23.4 | 23.8 | 23.3 | 29.3 | 18.9 | 24.1 |
| 10/19/09 | 22.5 | 22.3 | 21.9 | 21.3 | 20.8 | 19.5 | 18.2 | 19.9 | 21.2 | 22.0 | 23.1 | 23.8 | 24.1 | 25.0 | 25.3 | 25.5 | 25.2 | 24.3 | 23.5 | 23.2 | 22.7 | 22.0 | 20.9 | 19.8 | 25.5 | 18.2 | 22.4 |
| 10/20/09 | 19.4 | 18.8 | 18.3 | 17.7 | 17.2 | 16.9 | 16.4 | 15.9 | 15.4 | 14.9 | 16.1 | 16.4 | 16.7 | 17.4 | 17.1 | 17.1 | 16.5 | 15.6 | 15.2 | 14.7 | 14.2 | 13.8 | 13.5 | 13.1 | 19.4 | 13.1 | 16.2 |
| 10/21/09 | 12.4 | 10.8 | 10.4 | 11.1 | 11.2 | 10.6 | 10.1 | 12.1 | 14.2 | 16.0 | 16.1 | 17.0 | 17.6 | 18.5 | 18.9 | 18.6 | 18.1 | 17.1 | 16.6 | 16.4 | 16.2 | 15.7 | 14.7 | 14.3 | 18.9 | 10.1 | 14.8 |
| 10/22/09 | 14.4 | 13.9 | 13.8 | 12.9 | 12.5 | 12.0 | 12.2 | 13.4 | 16.4 | 18.8 | 18.7 | 19.8 | 20.0 | 20.5 | 20.6 | 20.3 | 20.1 | 18.7 | 17.9 | 17.6 | 17.6 | 16.6 | 15.8 | 15.6 | 20.6 | 12.0 | 16.7 |
| 10/23/09 | 15.1 | 15.2 | 14.5 | 14.8 | 16.2 | 15.6 | 15.0 | 15.9 | 16.8 | 18.1 | 19.3 | 20.5 | 21.4 | 22.6 | 22.7 | 22.4 | 21.7 | 20.0 | 19.1 | 18.7 | 18.3 | 18.3 | 17.2 | 18.2 | 22.7 | 14.5 | 18.2 |
| 10/24/09 | 18.0 | 17.1 | 17.7 | 15.9 | 14.4 | 14.3 | 13.3 | 15.4 | 17.9 | 19.2 | 20.5 | 21.1 | 21.4 | 22.1 | 22.3 | 21.7 | 20.2 | 19.4 | 18.8 | 18.9 | 19.2 | 18.7 | 18.5 | 22.3 | 13.3 | 18.5 | |
| 10/25/09 | 18.6 | 16.7 | 16.2 | 16.4 | 15.9 | 14.9 | 14.6 | 16.9 | 19.5 | 20.1 | 20.2 | 21.4 | 21.7 | 22.3 | 22.8 | 22.6 | 22.0 | 20.6 | 19.9 | 18.7 | 17.8 | 17.3 | 16.4 | 16.3 | 22.8 | 14.6 | 18.7 |
| 10/26/09 | 16.2 | 15.9 | 15.4 | 14.9 | 14.0 | 13.1 | 12.4 | 12.8 | 13.5 | 14.7 | 16.3 | 17.3 | 18.7 | 19.6 | 20.4 | 21.1 | 20.5 | 18.9 | 17.6 | 16.3 | 14.9 | 14.2 | 14.2 | 13.3 | 21.1 | 12.4 | 16.1 |
| 10/27/09 | 13.0 | 12.7 | 11.6 | 11.2 | 12.5 | 12.1 | 11.2 | 12.2 | 14.5 | 15.3 | 17.0 | 17.6 | 18.7 | 20.1 | 20.3 | 20.5 | 20.1 | 19.3 | 18.6 | 17.7 | 17.1 | 15.5 | 13.8 | 12.1 | 20.5 | 11.2 | 15.6 |
| 10/28/09 | 10.6 | 9.6 | 8.2 | 7.1 | 6.2 | 4.7 | 3.4 | 3.5 | 4.1 | 4.8 | 5.3 | 5.8 | 6.2 | 6.4 | 5.8 | 5.3 | 5.5 | 5.0 | 4.6 | 4.3 | 3.8 | 3.5 | 3.4 | 2.9 | 10.6 | 2.9 | 5.4 |
| 10/29/09 | 2.9 | 2.7 | 2.2 | 2.1 | 1.7 | 0.9 | 0.3 | 1.9 | 4.4 | 5.0 | 6.1 | 7.1 | 7.7 | 8.0 | 7.9 | 8.1 | 8.0 | 6.9 | 6.6 | 6.3 | 6.1 | 5.8 | 5.7 | 5.6 | 8.1 | 0.3 | 5.0 |
| 10/30/09 | 4.0 | 3.5 | 3.0 | 2.7 | 2.8 | 2.5 | 1.6 | 3.0 | 6.4 | 8.7 | 9.1 | 9.6 | 10.4 | 11.4 | 12.0 | 12.0 | 11.4 | 10.3 | 10.0 | 8.8 | 8.2 | 9.6 | 9.5 | 9.7 | 12.0 | 1.6 | 7.5 |
| 10/31/09 | 9.7 | 9.9 | 9.9 | 9.2 | 9.2 | 9.8 | 11.0 | 12.0 | 13.2 | 14.4 | 16.4 | 18.0 | 19.2 | 20.5 | 20.8 | 20.2 | 18.5 | 16.7 | 16.1 | 15.5 | 15.7 | 15.8 | 15.3 | 20.8 | 9.2 | 14.4 | |

Hourly Averages

| | |
|------|------|
| 15.5 | 15.0 |
| 14.5 | 14.0 |
| 13.6 | 13.2 |
| 12.8 | 14.2 |
| 16.1 | 17.3 |
| 18.2 | 19.2 |
| 20.0 | 20.7 |
| 21.1 | 21.1 |
| 20.7 | 19.5 |
| 18.5 | 17.8 |
| 16.8 | 16.2 |
| 15.9 | 15.9 |

Maximum Hourly Temperature: 30.1 **Minimum Hourly Temperature:** 0.3 **Average Monthly Temperature:** 17.0

Maximum 24-Hour Mean: 24.8 **Minimum 24-Hour Mean:** 5.0

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

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

NOVEMBER 2009

TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 11/01/09 | 15.0 | 15.1 | 14.5 | 14.4 | 14.2 | 13.7 | 13.6 | 14.5 | 15.9 | 17.1 | 18.9 | 20.7 | 23.0 | 24.2 | 24.0 | 23.8 | 23.3 | 21.5 | 20.3 | 18.8 | 17.3 | 17.8 | 16.9 | 16.6 | 24.2 | 13.6 | 18.1 |
| 11/02/09 | 16.3 | 15.9 | 14.5 | 14.4 | 14.0 | 14.1 | 13.7 | 15.0 | 18.3 | 20.7 | 22.9 | 24.8 | 25.8 | 24.8 | 25.3 | 25.4 | 24.6 | 22.7 | 21.2 | 19.2 | 19.7 | 19.0 | 19.6 | 18.5 | 25.8 | 13.7 | 19.6 |
| 11/03/09 | 18.3 | 17.3 | 17.9 | 18.1 | 18.2 | 18.2 | 17.4 | 18.1 | 19.4 | 20.8 | 21.3 | 22.8 | 24.1 | 25.7 | 27.1 | 26.5 | 25.5 | 23.2 | 21.7 | 20.7 | 19.6 | 18.9 | 19.0 | 18.6 | 27.1 | 17.3 | 20.8 |
| 11/04/09 | 18.4 | 18.3 | 17.9 | 17.9 | 17.5 | 17.5 | 17.1 | 17.7 | 18.7 | 20.0 | 21.4 | 23.7 | 25.4 | 25.5 | 26.2 | 25.6 | 24.8 | 23.3 | 21.7 | 20.9 | 21.0 | 19.7 | 19.0 | 18.9 | 26.2 | 17.1 | 20.7 |
| 11/05/09 | 18.4 | 18.8 | 18.4 | 18.2 | 18.0 | 17.9 | 17.6 | 18.2 | 19.6 | 22.4 | 23.4 | 24.2 | 25.6 | 26.2 | 26.7 | 26.9 | 26.0 | 24.0 | 23.3 | 20.8 | 20.1 | 20.1 | 18.8 | 18.6 | 26.9 | 17.6 | 21.3 |
| 11/06/09 | 18.4 | 18.2 | 17.0 | 16.5 | 15.1 | 15.7 | 15.4 | 16.6 | 19.5 | 21.4 | 23.3 | 24.6 | 22.7 | 22.1 | 22.0 | 22.4 | 22.0 | 21.0 | 19.0 | 18.5 | 17.7 | 18.4 | 17.8 | 17.7 | 24.6 | 15.1 | 19.3 |
| 11/07/09 | 17.6 | 17.4 | 16.6 | 16.7 | 16.5 | 14.9 | 14.8 | 15.2 | 18.4 | 22.4 | 22.1 | 22.7 | 23.2 | 23.2 | 23.3 | 23.4 | 22.4 | 20.6 | 19.6 | 19.0 | 18.3 | 18.6 | 17.2 | 15.8 | 23.4 | 14.8 | 19.2 |
| 11/08/09 | 15.3 | 15.2 | 14.9 | 14.5 | 14.5 | 13.6 | 13.0 | 14.1 | 16.6 | 18.6 | 19.3 | 21.0 | 21.2 | 21.4 | 21.3 | 20.8 | 20.0 | 18.7 | 17.6 | 16.4 | 15.6 | 14.7 | 14.7 | 14.6 | 21.4 | 13.0 | 17.0 |
| 11/09/09 | 14.4 | 14.2 | 14.3 | 14.0 | 13.1 | 13.3 | 12.1 | 13.1 | 16.4 | 19.2 | 20.5 | 21.5 | 21.9 | 22.5 | 22.5 | 22.4 | 21.7 | 20.3 | 17.7 | 16.8 | 16.3 | 16.3 | 16.3 | 15.7 | 22.5 | 12.1 | 17.3 |
| 11/10/09 | 15.6 | 15.0 | 14.8 | 15.5 | 15.6 | 15.4 | 15.2 | 16.2 | 17.7 | 19.0 | 20.9 | 22.8 | 23.7 | 24.2 | 24.9 | 25.0 | 24.5 | 22.4 | 20.4 | 20.0 | 20.4 | 19.8 | 18.8 | 17.6 | 25.0 | 14.8 | 19.4 |
| 11/11/09 | 16.5 | 16.5 | 16.0 | 15.8 | 15.5 | 15.3 | 15.3 | 15.8 | 17.6 | 18.9 | 18.7 | 19.1 | 21.7 | 23.0 | 23.8 | 23.7 | 22.1 | 20.6 | 19.5 | 18.4 | 18.0 | 17.9 | 17.5 | 17.6 | 23.8 | 15.3 | 18.5 |
| 11/12/09 | 18.2 | 19.2 | 18.9 | 18.9 | 18.5 | 18.0 | 16.8 | 17.4 | 18.1 | 18.8 | 18.7 | 19.0 | 18.8 | 18.4 | 18.0 | 17.8 | 17.6 | 17.4 | 17.2 | 16.9 | 16.5 | 16.2 | 15.4 | 14.8 | 19.2 | 14.8 | 17.7 |
| 11/13/09 | 14.6 | 14.4 | 14.2 | 14.0 | 13.8 | 13.5 | 12.8 | 12.0 | 11.1 | 11.3 | 11.4 | 11.6 | 12.0 | 12.2 | 12.1 | 12.0 | 11.8 | 11.6 | 11.4 | 10.4 | 9.6 | 9.2 | 8.8 | 8.8 | 14.6 | 8.8 | 11.8 |
| 11/14/09 | 8.8 | 9.0 | 7.9 | 7.7 | 7.5 | 7.5 | 7.3 | 7.5 | 8.3 | 9.0 | 9.8 | 10.2 | 10.3 | 11.2 | 9.5 | 7.9 | 9.2 | 8.3 | 7.4 | 6.9 | 6.5 | 6.3 | 5.8 | 5.7 | 11.2 | 5.7 | 8.1 |
| 11/15/09 | 5.7 | 5.4 | 5.4 | 5.1 | 5.0 | 5.1 | 4.6 | 5.4 | 6.7 | 8.5 | 7.8 | 8.4 | 9.6 | 10.2 | 10.9 | 11.0 | 10.5 | 9.1 | 8.6 | 8.0 | 7.5 | 6.9 | 6.6 | 6.4 | 11.0 | 4.6 | 7.4 |
| 11/16/09 | 6.2 | 5.8 | 5.7 | 5.8 | 6.0 | 5.8 | 5.6 | 6.0 | 7.0 | 8.1 | 9.6 | 10.8 | 12.2 | 13.3 | 14.4 | 14.6 | 14.1 | 13.0 | 12.2 | 12.0 | 12.1 | 11.5 | 11.1 | 10.6 | 14.6 | 5.6 | 9.7 |
| 11/17/09 | 10.1 | 9.5 | 9.2 | 8.9 | 8.5 | 8.1 | 8.1 | 8.5 | 9.5 | 10.7 | 12.1 | 13.3 | 14.9 | 15.8 | 16.0 | 16.2 | 15.5 | 14.0 | 12.8 | 12.2 | 11.8 | 10.9 | 11.1 | 11.2 | 16.2 | 8.1 | 11.6 |
| 11/18/09 | 10.9 | 10.6 | 10.6 | 10.2 | 9.7 | 9.5 | 9.4 | 9.7 | 11.3 | 13.2 | 15.1 | 16.8 | 18.0 | 18.0 | 18.7 | 18.5 | 17.5 | 16.1 | 14.7 | 13.2 | 11.9 | 12.2 | 11.3 | 11.0 | 18.7 | 9.4 | 13.3 |
| 11/19/09 | 11.1 | 10.5 | 10.0 | 9.4 | 9.0 | 9.7 | 9.5 | 8.4 | 10.9 | 13.7 | 16.0 | 16.5 | 16.8 | 17.6 | 17.3 | 16.8 | 15.9 | 14.7 | 14.0 | 13.9 | 11.5 | 11.3 | 10.6 | 10.2 | 17.6 | 8.4 | 12.7 |
| 11/20/09 | 10.2 | 10.7 | 10.7 | 10.0 | 9.6 | 9.1 | 8.6 | 9.0 | 12.5 | 15.2 | 16.2 | 17.9 | 18.2 | 19.4 | 19.8 | 19.5 | 18.5 | 16.4 | 14.8 | 13.2 | 12.1 | 12.4 | 12.4 | 11.5 | 19.8 | 8.6 | 13.7 |
| 11/21/09 | 12.1 | 10.9 | 10.8 | 10.8 | 10.0 | 9.7 | 8.5 | 9.3 | 12.2 | 14.5 | 15.7 | 16.9 | 17.4 | 17.7 | 17.7 | 17.1 | 16.2 | 14.9 | 14.0 | 13.6 | 13.6 | 11.2 | 10.9 | 10.9 | 17.7 | 8.5 | 13.2 |
| 11/22/09 | 11.0 | 11.0 | 9.6 | 9.1 | 8.7 | 7.6 | 6.2 | 6.9 | 10.0 | 13.4 | 15.5 | 16.4 | 16.7 | 17.5 | 17.9 | 17.5 | 16.3 | 14.6 | 13.6 | 11.7 | 11.1 | 10.6 | 10.9 | 10.7 | 17.9 | 6.2 | 12.3 |
| 11/23/09 | 10.2 | 9.8 | 9.2 | 9.1 | 9.1 | 9.0 | 8.0 | 9.6 | 12.0 | 13.9 | 15.3 | 14.9 | 15.6 | 15.9 | 16.2 | 16.3 | 15.0 | 13.7 | 12.8 | 10.4 | 9.7 | 10.1 | 10.6 | 10.2 | 16.3 | 8.0 | 11.9 |
| 11/24/09 | 9.9 | 9.4 | 9.1 | 8.7 | 8.0 | 7.6 | 7.6 | 8.2 | 8.8 | 9.5 | 10.7 | 12.1 | 13.5 | 14.5 | 15.3 | 15.3 | 14.5 | 13.1 | 13.0 | 12.6 | 12.1 | 11.5 | 10.6 | 10.1 | 15.3 | 7.6 | 11.1 |
| 11/25/09 | 9.8 | 9.4 | 8.9 | 8.5 | 8.2 | 7.8 | 7.6 | 8.0 | 9.0 | 9.9 | 11.8 | 13.2 | 14.4 | 15.3 | 16.1 | 16.4 | 16.2 | 14.5 | 13.8 | 13.7 | 12.9 | 12.0 | 11.9 | 11.7 | 16.4 | 7.6 | 11.7 |
| 11/26/09 | 11.0 | 10.5 | 10.3 | 10.2 | 10.2 | 10.0 | 9.5 | 9.8 | 11.2 | 12.3 | 13.8 | 16.9 | 18.1 | 18.5 | 18.4 | 18.2 | 17.0 | 15.9 | 14.1 | 13.4 | 13.1 | 12.6 | 12.4 | 12.2 | 18.5 | 9.5 | 13.3 |
| 11/27/09 | 11.8 | 11.5 | 11.4 | 11.4 | 11.2 | 10.9 | 10.9 | 11.2 | 12.6 | 14.2 | 15.8 | 18.0 | 18.4 | 19.4 | 19.6 | 19.6 | 18.4 | 17.3 | 16.3 | 14.4 | 14.0 | 14.0 | 14.0 | 14.6 | 10.9 | 14.6 | |
| 11/28/09 | 12.3 | 12.3 | 14.1 | 13.6 | 13.3 | 12.9 | 12.2 | 12.0 | 12.2 | 12.7 | 13.5 | 13.4 | 14.4 | 14.8 | 14.6 | 14.1 | 13.0 | 11.5 | 9.6 | 8.5 | 7.3 | 6.8 | 7.1 | 6.4 | 14.8 | 6.4 | 11.8 |
| 11/29/09 | 6.0 | 5.4 | 4.3 | 4.5 | 5.1 | 5.0 | 5.7 | 5.6 | 6.6 | 6.9 | 5.4 | 7.5 | 8.4 | 5.7 | 5.9 | 8.6 | 8.3 | 8.1 | 7.8 | 7.1 | 6.8 | 6.1 | 5.7 | 8.6 | 4.3 | 6.4 | |
| 11/30/09 | 5.7 | 5.8 | 5.9 | 6.1 | 5.9 | 5.4 | 5.3 | 5.5 | 5.4 | 5.7 | 7.1 | 8.5 | 8.6 | 9.9 | 10.6 | 10.6 | 9.7 | 8.8 | 7.8 | 7.0 | 6.3 | 5.4 | 5.0 | 4.8 | 10.6 | 4.8 | 7.0 |

| Hourly Averages | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------------------------------|--|--|--|
| 12.7 | 12.4 | 12.1 | 11.9 | 11.6 | 11.4 | 11.0 | 11.5 | 13.1 | 14.7 | 15.8 | 17.0 | 17.8 | 18.3 | 18.5 | 18.5 | 17.7 | 16.4 | 15.3 | 14.3 | 13.7 | 13.3 | 12.9 | 12.6 | | | | |
| Maximum Hourly Temperature: | | | | | | | | | | | | Minimum Hourly Temperature: | | | | | | | | | | | | Average Monthly Temperature: | | | |
| Maximum 24-Hour Mean: | | | | | | | | | | | | Minimum 24-Hour Mean: | | | | | | | | | | | | | | | |
| Total Number of Observations: | | | | | | | | | | | | Possible Number of Observations: | | | | | | | | | | | | INV = Invalid Data | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | ND = No Data Collection | | | |

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

DECEMBER 2009

TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg | |
|--|------|-----|------|------|------|------|------|------|------|------|------|---|------|------|------|------|------|------|------|------|------|------|------|---|------|------|------|--------------------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | |
| 12/01/09 | 3.7 | 3.6 | 2.9 | 3.8 | 3.8 | 3.6 | 4.3 | 7.3 | 9.5 | 9.1 | 9.5 | 10.7 | 11.5 | 11.0 | 10.8 | 10.0 | 9.3 | 8.8 | 8.4 | 7.7 | 8.6 | 7.3 | 8.3 | 11.5 | 2.9 | 7.4 | | |
| 12/02/09 | 6.5 | 6.9 | 7.2 | 5.7 | 5.3 | 4.4 | 4.9 | 4.6 | 7.6 | 9.1 | 10.1 | 10.2 | 11.1 | 11.8 | 12.1 | 11.9 | 10.8 | 9.6 | 8.9 | 7.8 | 8.4 | 8.8 | 8.4 | 12.1 | 4.4 | 8.4 | | |
| 12/03/09 | 8.2 | 6.8 | 5.7 | 5.6 | 5.0 | 4.2 | 4.7 | 4.9 | 6.2 | 8.6 | 9.4 | 10.0 | 10.3 | 10.7 | 10.6 | 10.7 | 9.7 | 8.6 | 8.3 | 7.8 | 5.1 | 4.2 | 3.6 | 2.9 | 10.7 | 2.9 | 7.2 | |
| 12/04/09 | 2.3 | 2.0 | 1.4 | 0.8 | 0.6 | 0.4 | -0.3 | -0.4 | 0.8 | 1.8 | 2.7 | 4.3 | 5.8 | 6.8 | 8.0 | 8.2 | 6.8 | 5.2 | 4.0 | 3.5 | 3.6 | 2.6 | 1.8 | 0.9 | 8.2 | -0.4 | 3.1 | |
| 12/05/09 | 0.3 | 1.3 | 1.3 | 1.1 | 1.1 | 0.9 | 0.6 | 0.6 | 2.3 | 5.2 | 6.8 | 7.7 | 8.9 | 9.4 | 9.1 | 8.8 | 8.1 | 7.3 | 6.8 | 6.7 | 6.9 | 6.7 | 6.6 | 6.3 | 9.4 | 0.3 | 5.0 | |
| 12/06/09 | 5.7 | 5.1 | 4.5 | 3.8 | 3.7 | 3.8 | 3.9 | 1.8 | 2.7 | 2.9 | 3.0 | 3.9 | 4.8 | 5.8 | 6.6 | 6.5 | 6.7 | 6.5 | 6.6 | 6.8 | 6.6 | 6.3 | 6.1 | 6.8 | 1.8 | 5.0 | | |
| 12/07/09 | 5.8 | 5.8 | 5.7 | 5.6 | 5.7 | 5.8 | 5.8 | 5.8 | 6.0 | 6.1 | 6.0 | 6.2 | 5.8 | 5.7 | 5.4 | 5.5 | 5.6 | 5.7 | 6.1 | 6.6 | 6.8 | 6.2 | 6.8 | 5.4 | 5.9 | | | |
| 12/08/09 | 6.0 | 4.9 | 3.3 | 2.9 | 2.2 | 1.4 | 0.2 | -0.4 | 0.0 | 0.9 | 1.4 | 2.2 | 2.4 | 3.1 | 3.5 | 3.6 | 3.0 | 2.1 | 1.7 | 1.5 | 1.7 | 2.5 | 2.8 | 2.8 | 6.0 | -0.4 | 2.3 | |
| 12/09/09 | 2.6 | 3.0 | 3.0 | 2.8 | 2.4 | 2.3 | 2.2 | 2.3 | 2.7 | 3.2 | 4.7 | 4.8 | 5.5 | 6.0 | 6.3 | 6.0 | 4.9 | 3.6 | 2.9 | 2.1 | 0.8 | 1.1 | 0.5 | 0.0 | 6.3 | 0.0 | 3.2 | |
| 12/10/09 | -0.3 | 0.1 | -0.3 | -0.4 | -0.8 | -0.7 | -0.9 | -0.1 | 2.9 | 5.5 | 7.3 | 7.7 | 9.5 | 8.8 | 8.0 | 8.5 | 7.9 | 5.7 | 4.7 | 3.5 | 3.1 | 2.5 | 2.7 | 2.7 | 9.5 | -0.9 | 3.6 | |
| 12/11/09 | 3.2 | 2.5 | 2.5 | 2.2 | 1.9 | 1.7 | 1.8 | 2.4 | 4.3 | 7.3 | 9.3 | 10.6 | 11.6 | 11.1 | 10.3 | 10.1 | 9.6 | 8.2 | 6.7 | 5.7 | 5.9 | 5.3 | 5.3 | 5.1 | 11.6 | 1.7 | 6.0 | |
| 12/12/09 | 5.5 | 5.9 | 4.1 | 4.9 | 5.1 | 4.3 | 4.4 | 4.5 | 5.3 | 6.9 | 8.5 | 9.9 | 10.3 | 10.4 | 10.6 | 11.4 | 10.2 | 9.2 | 8.4 | 7.2 | 7.0 | 6.8 | 6.6 | 6.8 | 11.4 | 4.1 | 7.3 | |
| 12/13/09 | 6.9 | 6.4 | 6.0 | 5.9 | 5.6 | 5.3 | 5.2 | 5.4 | 7.4 | 9.6 | 11.4 | 11.6 | 11.9 | 11.5 | 11.1 | 10.0 | 8.8 | 8.1 | 8.1 | 7.9 | 7.9 | 8.4 | 8.3 | 11.9 | 5.2 | 8.2 | | |
| 12/14/09 | 7.8 | 7.5 | 7.2 | 7.0 | 6.5 | 7.0 | 6.2 | 6.6 | 7.0 | 8.5 | 9.1 | 10.4 | 10.5 | 9.9 | 10.2 | 10.6 | 9.4 | 8.3 | 7.8 | 7.5 | 5.9 | 5.2 | 4.8 | 10.6 | 4.8 | 7.8 | | |
| 12/15/09 | 4.9 | 5.3 | 5.0 | 5.0 | 4.5 | 4.9 | 4.6 | 4.0 | 6.0 | 7.0 | 7.8 | 9.4 | 10.6 | 11.5 | 11.9 | 12.3 | 11.7 | 9.8 | 8.5 | 8.0 | 7.7 | 7.9 | 8.1 | 7.7 | 12.3 | 4.0 | 7.7 | |
| 12/16/09 | 7.3 | 7.2 | 6.8 | 6.8 | 6.6 | 6.5 | 6.4 | 6.9 | 8.5 | 10.8 | 12.1 | 11.4 | 12.3 | 13.0 | 13.0 | 13.0 | 12.5 | 11.2 | 10.8 | 10.5 | 10.3 | 10.1 | 9.8 | 9.3 | 13.0 | 6.4 | 9.7 | |
| 12/17/09 | 8.7 | 9.2 | 8.9 | 8.9 | 8.5 | 8.7 | 8.3 | 8.7 | 9.4 | 10.4 | 11.2 | 12.5 | 13.6 | 14.7 | 15.4 | 15.5 | 14.7 | 12.9 | 10.9 | 11.1 | 10.6 | 9.9 | 9.9 | 9.5 | 15.5 | 8.3 | 10.9 | |
| 12/18/09 | 9.7 | 9.3 | 9.5 | 9.1 | 8.0 | 7.9 | 7.1 | 7.5 | 9.7 | 11.2 | 12.6 | 13.5 | 14.1 | 15.2 | 16.0 | 15.7 | 14.9 | 13.2 | 11.8 | 10.8 | 11.6 | 10.3 | 10.7 | 10.3 | 16.0 | 7.1 | 11.2 | |
| 12/19/09 | 9.8 | 9.2 | 9.3 | 8.8 | 8.5 | 7.5 | 6.8 | 7.0 | 8.1 | 8.7 | 9.7 | 11.4 | 12.8 | 13.3 | 13.2 | 13.1 | 12.8 | 11.5 | 11.2 | 10.4 | 9.8 | 9.6 | 9.1 | 8.5 | 13.3 | 6.8 | 10.0 | |
| 12/20/09 | 7.9 | 7.5 | 7.3 | 6.9 | 6.4 | 6.6 | 6.5 | 6.8 | 8.1 | 9.2 | 11.1 | 12.2 | 12.6 | 13.7 | 13.8 | 13.6 | 12.1 | 11.0 | 9.9 | 9.4 | 9.2 | 9.2 | 9.1 | 8.9 | 13.8 | 6.4 | 9.5 | |
| 12/21/09 | 9.1 | 8.5 | 8.6 | 8.2 | 7.6 | 7.3 | 7.1 | 7.2 | 8.3 | 11.3 | 12.2 | 13.5 | 13.7 | 13.6 | 13.2 | 12.6 | 12.4 | 11.7 | 11.0 | 10.3 | 9.6 | 10.2 | 9.0 | 9.3 | 13.7 | 7.1 | 10.2 | |
| 12/22/09 | 9.0 | 8.6 | 8.4 | 7.6 | 7.6 | 7.8 | 9.4 | 9.4 | 9.0 | 9.5 | 9.7 | 10.1 | 9.9 | 10.3 | 10.2 | 5.1 | 3.8 | 3.1 | 2.9 | 2.8 | 2.9 | 2.6 | 2.5 | 2.2 | 10.3 | 2.2 | 6.8 | |
| 12/23/09 | 1.6 | 1.5 | 1.2 | 0.8 | 0.3 | 0.1 | -0.2 | -0.7 | -0.5 | -0.1 | -0.1 | 0.1 | 1.1 | 2.2 | 3.1 | 3.6 | 2.7 | 1.9 | 2.2 | 2.0 | 2.2 | 2.8 | 2.9 | 2.1 | 3.6 | -0.7 | 1.4 | |
| 12/24/09 | 2.3 | 1.9 | 1.1 | 0.1 | 0.8 | -0.5 | -0.5 | -0.5 | 1.8 | 4.0 | 4.8 | 5.4 | 6.5 | 7.4 | 8.2 | 8.2 | 7.3 | 5.5 | 4.1 | 3.0 | 2.0 | 1.1 | 1.1 | 0.8 | 8.2 | -0.5 | 3.2 | |
| 12/25/09 | 0.6 | 0.3 | -0.1 | -0.3 | -0.7 | -1.2 | -1.4 | -1.5 | 1.3 | 4.4 | 6.3 | 6.5 | 6.6 | 6.9 | 7.0 | 6.6 | 5.6 | 4.3 | 3.6 | 2.2 | 1.4 | 1.1 | 1.3 | 1.5 | 7.0 | -1.5 | 2.6 | |
| 12/26/09 | 1.4 | 1.6 | 2.0 | 1.8 | 2.1 | 1.4 | 0.9 | 1.7 | 2.4 | 3.5 | 4.7 | 5.2 | 6.3 | 7.3 | 7.4 | 6.0 | 5.0 | 3.6 | 2.9 | 2.3 | 1.7 | 1.9 | 1.0 | 7.4 | 0.9 | 3.2 | | |
| 12/27/09 | 0.2 | 0.0 | 0.1 | -0.5 | -0.9 | -1.1 | -0.9 | -0.4 | 2.2 | 3.6 | 4.8 | 6.0 | 6.8 | 8.0 | 9.0 | 9.8 | 8.8 | 6.4 | 4.8 | 4.9 | 4.8 | 5.2 | 5.3 | 4.7 | 9.8 | -1.1 | 3.8 | |
| 12/28/09 | 4.6 | 4.5 | 4.1 | 4.1 | 3.9 | 4.3 | 4.3 | 4.9 | 5.2 | 5.6 | 6.2 | 6.8 | 7.1 | 7.8 | 7.6 | 7.4 | 6.7 | 6.4 | 6.3 | 6.1 | 5.8 | 5.4 | 4.4 | 7.8 | 3.9 | 5.6 | | |
| 12/29/09 | 4.7 | 4.6 | 4.4 | 4.2 | 4.4 | 3.7 | 3.9 | 3.5 | 3.5 | 4.6 | 5.4 | 6.4 | 8.1 | 8.4 | 8.4 | 8.3 | 7.4 | 6.9 | 6.3 | 5.4 | 4.8 | 4.8 | 5.3 | 6.0 | 8.4 | 3.5 | 5.6 | |
| 12/30/09 | 5.3 | 3.6 | 3.5 | 4.0 | 3.4 | 3.0 | 2.1 | 2.1 | 4.0 | 6.3 | 7.4 | 7.2 | 7.8 | 7.7 | 7.6 | 7.6 | 7.7 | 7.3 | 7.2 | 7.2 | 6.9 | 6.3 | 6.3 | 6.2 | 7.8 | 2.1 | 5.7 | |
| 12/31/09 | 6.1 | 6.0 | 5.4 | 5.3 | 4.4 | 2.9 | 2.4 | 3.2 | 4.0 | 4.5 | 5.7 | 6.5 | 7.6 | 8.2 | 8.7 | 9.0 | 8.5 | 7.1 | 6.3 | 6.2 | 6.1 | 5.9 | 5.2 | 4.9 | 9.0 | 2.4 | 5.8 | |
| Hourly Averages | | 5.1 | 4.9 | 4.5 | 4.3 | 4.0 | 3.7 | 3.5 | 3.6 | 4.9 | 6.4 | 7.4 | 8.1 | 8.9 | 9.4 | 9.6 | 9.4 | 8.6 | 7.5 | 6.8 | 6.3 | 6.0 | 5.8 | 5.7 | 5.4 | | | |
| Maximum Hourly Temperature: 16.0 | | | | | | | | | | | | Minimum Hourly Temperature: -1.5 | | | | | | | | | | | | Average Monthly Temperature: 6.2 | | | | |
| Maximum 24-Hour Mean: 11.2 | | | | | | | | | | | | Minimum 24-Hour Mean: 1.4 | | | | | | | | | | | | | | | | |
| 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

OCTOBER 2009

RELATIVE HUMIDITY (%)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 10/01/09 | 17.4 | 15.2 | 18.6 | 14.3 | 13.9 | 16.9 | 14.7 | 12.7 | 12.0 | 12.3 | 10.2 | 9.0 | 6.7 | 7.3 | 7.5 | 7.1 | 7.6 | 8.9 | 10.0 | 10.4 | 11.4 | 13.3 | 12.3 | 12.0 | 18.6 | 6.7 | 11.7 |
| 10/02/09 | 12.4 | 11.9 | 10.8 | 12.2 | 11.9 | 11.9 | 12.3 | 11.4 | 8.9 | 7.9 | 8.8 | 8.2 | 7.7 | 8.4 | 7.9 | 8.0 | 8.8 | 10.1 | 10.0 | 9.6 | 10.0 | 30.8 | 30.3 | 33.0 | 33.0 | 7.7 | 12.6 |
| 10/03/09 | 18.0 | 18.0 | 22.3 | 46.2 | 47.1 | 53.5 | 59.1 | 49.1 | 42.4 | 37.2 | 36.3 | 31.8 | 26.7 | 25.2 | 29.3 | 30.8 | 36.7 | 42.5 | 47.7 | 50.0 | 52.6 | 55.8 | 68.8 | 78.6 | 78.6 | 18.0 | 41.9 |
| 10/04/09 | 78.4 | 79.8 | 81.9 | 83.7 | 84.6 | 85.9 | 86.5 | 85.5 | 80.1 | 67.6 | 55.0 | 44.8 | 42.5 | 34.2 | 33.6 | 31.6 | 28.5 | 38.9 | 23.1 | 23.9 | 26.4 | 27.7 | 28.5 | 26.9 | 86.5 | 23.1 | 53.3 |
| 10/05/09 | 36.5 | 52.7 | 61.3 | 68.9 | 70.5 | 69.0 | 71.2 | 70.1 | 67.4 | 66.6 | 63.2 | 52.1 | 57.2 | 49.6 | 43.5 | 40.5 | 40.5 | 37.6 | 37.2 | 34.2 | 33.3 | 38.0 | 41.7 | 37.5 | 71.2 | 33.3 | 51.7 |
| 10/06/09 | 40.5 | 40.7 | 39.7 | 38.0 | 39.4 | 41.6 | 42.4 | 35.7 | 33.9 | 48.6 | 46.6 | 36.3 | 35.6 | 39.8 | 34.3 | 33.6 | 34.6 | 35.9 | 36.3 | 38.1 | 34.3 | 36.1 | 33.4 | 29.7 | 48.6 | 29.7 | 37.7 |
| 10/07/09 | 26.1 | 33.6 | 32.6 | 25.0 | 29.4 | 23.4 | 22.2 | 17.7 | 18.9 | 40.7 | 51.3 | 52.5 | 48.5 | 45.7 | 45.9 | 37.5 | 33.8 | 43.0 | 48.6 | 52.6 | 54.7 | 54.9 | 57.6 | 56.7 | 57.6 | 17.7 | 39.7 |
| 10/08/09 | 60.1 | 54.6 | 57.7 | 60.0 | 62.4 | 63.2 | 64.0 | 60.7 | 53.5 | 48.5 | 43.0 | 24.9 | 24.4 | 22.1 | 19.5 | 16.8 | 17.8 | 19.4 | 18.4 | 19.5 | 21.2 | 22.2 | 22.1 | 22.2 | 64.0 | 16.8 | 37.4 |
| 10/09/09 | 23.7 | 25.1 | 28.6 | 26.5 | 28.8 | 27.1 | 29.4 | 24.6 | 19.2 | 19.9 | 19.6 | 18.1 | 15.4 | 15.2 | 15.2 | 14.9 | 15.3 | 18.1 | 20.0 | 21.3 | 19.3 | 19.4 | 20.1 | 20.4 | 29.4 | 14.9 | 21.0 |
| 10/10/09 | 19.0 | 20.0 | 22.6 | 23.3 | 24.6 | 25.7 | 25.8 | 20.9 | 17.2 | 14.3 | 13.1 | 12.9 | 11.5 | 12.1 | 12.6 | 13.1 | 13.8 | 14.7 | 15.6 | 18.3 | 18.1 | 19.2 | 19.6 | 18.3 | 25.8 | 11.5 | 17.8 |
| 10/11/09 | 17.3 | 19.0 | 19.5 | 21.2 | 22.3 | 23.4 | 22.3 | 19.9 | 32.3 | 30.6 | 35.5 | 29.7 | 30.1 | 29.6 | 24.3 | 27.5 | 30.3 | 32.9 | 36.8 | 38.4 | 41.8 | 43.2 | 37.0 | 38.2 | 43.2 | 17.3 | 29.3 |
| 10/12/09 | 41.3 | 47.0 | 54.0 | 51.0 | 61.7 | 58.4 | 60.9 | 54.9 | 51.6 | 44.2 | 41.4 | 29.6 | 29.0 | 25.1 | 26.2 | 28.6 | 32.2 | 37.5 | 38.1 | 39.4 | 46.9 | 52.1 | 55.4 | 61.1 | 61.7 | 25.1 | 44.5 |
| 10/13/09 | 70.4 | 82.3 | 85.3 | 86.7 | 81.7 | 81.2 | 79.9 | 76.0 | 70.3 | 65.2 | 57.5 | 49.1 | 36.5 | 33.2 | 33.3 | 30.7 | 31.3 | 35.1 | 38.5 | 39.9 | 41.9 | 44.2 | 43.4 | 39.0 | 86.7 | 30.7 | 55.5 |
| 10/14/09 | 43.1 | 44.2 | 46.9 | 50.6 | 51.6 | 51.6 | 51.0 | 44.2 | 38.4 | 33.8 | 33.3 | 35.2 | 32.0 | 30.9 | 27.7 | 25.7 | 26.7 | 26.8 | 26.9 | 28.3 | 29.7 | 30.2 | 31.4 | 33.0 | 51.6 | 25.7 | 36.4 |
| 10/15/09 | 43.3 | 45.4 | 48.0 | 54.5 | 51.0 | 46.3 | 44.0 | 36.0 | 28.7 | 28.5 | 26.2 | 27.4 | 25.8 | 25.1 | 24.1 | 24.7 | 27.4 | 29.9 | 31.8 | 32.9 | 37.0 | 25.7 | 23.4 | 26.7 | 54.5 | 23.4 | 33.9 |
| 10/16/09 | 28.4 | 31.0 | 31.7 | 31.1 | 30.5 | 29.3 | 25.3 | 21.2 | 19.5 | 17.5 | 16.7 | 15.3 | 13.9 | 14.8 | 15.1 | 15.5 | 15.7 | 17.8 | 19.8 | 19.5 | 22.8 | 17.2 | 14.8 | 15.1 | 31.7 | 13.9 | 20.8 |
| 10/17/09 | 15.9 | 17.5 | 18.8 | 19.8 | 21.3 | 23.3 | 23.8 | 23.7 | 22.5 | 21.7 | 19.0 | 19.4 | 17.7 | 17.4 | 15.0 | 15.6 | 19.1 | 22.5 | 25.3 | 26.9 | 28.6 | 29.7 | 30.0 | 31.7 | 31.7 | 15.0 | 21.9 |
| 10/18/09 | 33.1 | 35.2 | 38.9 | 41.5 | 42.3 | 45.3 | 43.6 | 38.5 | 32.0 | 32.7 | 28.7 | 22.5 | 18.5 | 18.5 | 18.2 | 18.6 | 20.6 | 22.5 | 24.2 | 26.7 | 26.9 | 27.2 | 25.9 | 45.3 | 18.2 | 29.5 | |
| 10/19/09 | 27.8 | 28.3 | 31.3 | 35.1 | 38.4 | 46.1 | 48.5 | 45.5 | 57.9 | 44.1 | 37.9 | 35.9 | 28.3 | 27.3 | 25.9 | 23.7 | 22.7 | 23.6 | 23.2 | 21.2 | 24.8 | 31.4 | 35.8 | 40.1 | 57.9 | 21.2 | 33.5 |
| 10/20/09 | 28.8 | 27.4 | 29.7 | 35.0 | 38.4 | 40.8 | 47.1 | 52.8 | 51.1 | 47.9 | 47.7 | 50.1 | 46.5 | 36.2 | 30.9 | 32.2 | 31.5 | 34.7 | 35.4 | 33.8 | 32.4 | 32.0 | 31.0 | 32.1 | 52.8 | 27.4 | 37.7 |
| 10/21/09 | 34.2 | 38.3 | 40.3 | 42.6 | 44.6 | 47.3 | 47.0 | 41.1 | 35.9 | 32.3 | 32.3 | 30.7 | 29.4 | 26.6 | 27.9 | 29.2 | 30.6 | 33.4 | 34.5 | 34.7 | 34.7 | 36.6 | 40.7 | 35.3 | 47.3 | 26.6 | 35.8 |
| 10/22/09 | 38.1 | 36.4 | 39.4 | 39.9 | 40.7 | 43.9 | 44.4 | 37.9 | 25.5 | 27.1 | 23.7 | 25.2 | 23.0 | 19.8 | 21.1 | 21.0 | 20.5 | 23.3 | 25.1 | 25.1 | 28.4 | 27.0 | 29.4 | 44.4 | 19.8 | 29.6 | |
| 10/23/09 | 27.1 | 26.4 | 28.2 | 24.7 | 24.4 | 25.1 | 25.7 | 23.8 | 23.1 | 20.9 | 18.8 | 16.1 | 14.2 | 14.5 | 14.1 | 15.3 | 17.0 | 19.5 | 20.0 | 20.8 | 21.6 | 21.5 | 21.8 | 28.2 | 14.1 | 21.1 | |
| 10/24/09 | 21.1 | 22.2 | 22.0 | 26.7 | 26.6 | 30.4 | 26.2 | 24.6 | 22.6 | 21.2 | 18.1 | 15.1 | 15.6 | 14.7 | 14.7 | 14.9 | 15.5 | 17.7 | 17.9 | 18.1 | 18.0 | 18.8 | 19.7 | 19.3 | 30.4 | 14.7 | 20.1 |
| 10/25/09 | 19.9 | 23.5 | 23.0 | 24.1 | 26.3 | 26.4 | 25.5 | 20.5 | 18.4 | 18.8 | 17.5 | 17.6 | 17.0 | 17.3 | 16.0 | 15.9 | 18.5 | 20.0 | 20.2 | 17.5 | 14.2 | 13.6 | 14.5 | 11.9 | 26.4 | 11.9 | 19.1 |
| 10/26/09 | 8.5 | 8.0 | 8.7 | 9.2 | 10.2 | 11.6 | 12.3 | 12.6 | 11.8 | 10.6 | 9.2 | 9.0 | 8.5 | 6.9 | 7.5 | 7.5 | 7.3 | 8.5 | 9.1 | 9.2 | 9.9 | 10.5 | 10.4 | 10.6 | 12.6 | 6.9 | 9.5 |
| 10/27/09 | 9.6 | 10.8 | 11.9 | 11.0 | 12.3 | 13.8 | 14.6 | 13.8 | 14.2 | 9.2 | 7.9 | 7.2 | 7.7 | 9.5 | 11.0 | 12.7 | 15.5 | 19.9 | 24.4 | 29.8 | 31.6 | 27.0 | 27.0 | 29.0 | 31.6 | 7.2 | 15.9 |
| 10/28/09 | 29.2 | 32.9 | 28.5 | 29.7 | 30.7 | 37.0 | 38.5 | 33.8 | 30.8 | 28.2 | 24.9 | 21.2 | 20.9 | 19.0 | 20.1 | 19.2 | 21.4 | 21.4 | 24.6 | 29.9 | 33.7 | 37.9 | 39.8 | 42.0 | 42.0 | 19.0 | 29.0 |
| 10/29/09 | 44.0 | 47.2 | 48.0 | 49.8 | 54.2 | 54.6 | 56.2 | 44.1 | 42.1 | 35.2 | 33.9 | 27.9 | 27.9 | 27.7 | 27.9 | 27.3 | 28.8 | 30.5 | 30.5 | 30.7 | 31.4 | 31.5 | 29.5 | 29.8 | 56.2 | 27.3 | 37.1 |
| 10/30/09 | 35.6 | 35.8 | 35.8 | 37.3 | 38.5 | 37.8 | 39.1 | 32.5 | 26.5 | 23.5 | 23.5 | 22.0 | 19.6 | 18.4 | 18.0 | 18.6 | 19.2 | 20.1 | 21.3 | 23.1 | 21.3 | 22.8 | 27.0 | 32.9 | 39.1 | 18.0 | 27.1 |
| 10/31/09 | 32.1 | 32.5 | 34.7 | 36.2 | 36.9 | 36.2 | 28.2 | 27.8 | 26.8 | 24.2 | 21.5 | 19.5 | 18.8 | 17.9 | 15.6 | 17.0 | 18.2 | 19.8 | 21.3 | 22.3 | 21.9 | 21.0 | 20.6 | 20.4 | 36.9 | 15.6 | 24.6 |

Hourly Averages

31.6 33.6 35.5 37.3 38.6 39.6 39.7 35.9 33.4 31.6 29.7 26.3 24.4 22.9 22.1 21.8 22.8 25.4 26.3 27.3 28.3 29.7 30.4 31.0

Maximum Hourly Humidity: 86.7

Minimum Hourly Humidity: 6.7

Total Number of Observations: 744

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

NOVEMBER 2009

RELATIVE HUMIDITY (%)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 11/01/09 | 20.8 | 21.3 | 22.0 | 21.2 | 23.2 | 24.4 | 25.5 | 22.7 | 22.6 | 21.4 | 20.1 | 17.3 | 14.1 | 13.8 | 14.7 | 14.2 | 15.2 | 17.9 | 19.4 | 23.2 | 22.3 | 22.3 | 24.5 | 23.2 | 25.5 | 13.8 | 20.3 |
| 11/02/09 | 26.1 | 26.8 | 28.0 | 29.0 | 28.3 | 27.4 | 26.0 | 21.4 | 18.1 | 14.0 | 12.2 | 10.7 | 12.3 | 12.9 | 12.6 | 13.2 | 14.8 | 17.5 | 19.9 | 15.3 | 14.1 | 11.8 | 13.1 | 13.1 | 29.0 | 10.7 | 18.3 |
| 11/03/09 | 14.4 | 14.8 | 14.8 | 14.9 | 15.5 | 16.0 | 17.7 | 17.4 | 15.5 | 15.4 | 14.4 | 13.4 | 12.4 | 11.1 | 10.4 | 10.6 | 10.9 | 11.3 | 11.6 | 12.4 | 14.9 | 15.0 | 15.6 | 17.1 | 17.7 | 10.4 | 14.1 |
| 11/04/09 | 17.0 | 18.0 | 19.0 | 19.0 | 19.8 | 20.4 | 20.8 | 19.5 | 18.7 | 15.9 | 15.1 | 12.6 | 12.2 | 12.2 | 12.2 | 13.0 | 13.6 | 14.5 | 15.7 | 15.6 | 17.3 | 19.6 | 18.7 | 19.2 | 20.8 | 12.2 | 16.6 |
| 11/05/09 | 19.2 | 18.0 | 18.5 | 18.5 | 18.6 | 18.6 | 19.1 | 17.4 | 15.8 | 14.3 | 13.5 | 12.9 | 13.8 | 13.5 | 12.4 | 12.2 | 15.0 | 16.3 | 17.4 | 20.5 | 20.5 | 22.1 | 22.5 | 21.3 | 22.5 | 12.2 | 17.2 |
| 11/06/09 | 23.2 | 22.6 | 26.6 | 27.7 | 24.7 | 25.3 | 24.5 | 21.6 | 18.2 | 15.7 | 14.5 | 15.0 | 15.8 | 18.8 | 16.0 | 13.9 | 13.5 | 15.2 | 16.5 | 17.4 | 15.3 | 15.9 | 16.1 | 17.9 | 27.7 | 13.5 | 18.8 |
| 11/07/09 | 17.4 | 17.8 | 19.3 | 19.2 | 20.5 | 23.9 | 24.1 | 22.9 | 17.9 | 14.5 | 14.8 | 14.4 | 14.5 | 14.4 | 14.4 | 15.0 | 15.6 | 18.0 | 18.7 | 20.1 | 21.5 | 22.0 | 22.9 | 26.4 | 26.9 | 14.4 | 19.3 |
| 11/08/09 | 27.5 | 30.2 | 31.0 | 33.9 | 38.4 | 36.4 | 40.8 | 34.3 | 27.9 | 26.5 | 26.0 | 23.8 | 25.3 | 23.6 | 24.4 | 26.2 | 28.5 | 29.5 | 31.8 | 35.0 | 34.5 | 38.5 | 38.0 | 38.3 | 40.8 | 23.6 | 31.3 |
| 11/09/09 | 32.6 | 28.7 | 30.0 | 32.3 | 33.2 | 35.1 | 39.4 | 35.5 | 26.6 | 24.7 | 21.0 | 21.1 | 18.5 | 18.1 | 17.5 | 18.1 | 20.6 | 21.5 | 27.8 | 29.0 | 30.1 | 29.7 | 30.4 | 29.0 | 39.4 | 17.5 | 27.1 |
| 11/10/09 | 30.0 | 30.9 | 30.9 | 29.8 | 30.3 | 30.4 | 31.2 | 27.8 | 24.9 | 22.0 | 19.5 | 15.9 | 15.8 | 15.5 | 15.7 | 15.3 | 17.7 | 20.7 | 22.7 | 22.2 | 22.0 | 22.8 | 25.4 | 29.1 | 31.2 | 15.3 | 23.7 |
| 11/11/09 | 28.2 | 30.7 | 31.4 | 32.7 | 33.6 | 32.3 | 32.3 | 30.6 | 27.8 | 26.5 | 28.1 | 26.6 | 22.7 | 22.0 | 19.4 | 21.8 | 26.8 | 28.7 | 30.8 | 31.3 | 31.9 | 32.6 | 31.7 | 32.5 | 33.6 | 19.4 | 28.9 |
| 11/12/09 | 27.6 | 30.0 | 31.8 | 33.7 | 37.4 | 36.0 | 41.3 | 37.3 | 35.3 | 37.6 | 37.3 | 37.9 | 37.4 | 38.8 | 36.1 | 36.6 | 37.0 | 37.4 | 38.2 | 38.3 | 36.1 | 39.0 | 41.1 | 40.4 | 41.3 | 27.6 | 36.6 |
| 11/13/09 | 35.1 | 37.3 | 35.5 | 39.3 | 42.1 | 48.2 | 66.4 | 85.4 | 77.1 | 71.9 | 72.1 | 72.7 | 67.7 | 71.0 | 64.6 | 61.2 | 63.7 | 63.5 | 62.7 | 77.0 | 93.6 | 91.1 | 95.5 | 96.4 | 96.4 | 35.1 | 66.3 |
| 11/14/09 | 81.2 | 89.0 | 88.6 | 89.8 | 95.9 | 93.5 | 90.2 | 92.6 | 87.7 | 89.7 | 70.0 | 79.0 | 57.5 | 59.8 | 96.8 | 88.5 | 86.6 | 80.0 | 90.4 | 93.9 | 87.3 | 87.8 | 85.7 | 83.8 | 96.8 | 57.5 | 85.2 |
| 11/15/09 | 85.0 | 86.8 | 91.9 | 87.9 | 90.8 | 90.0 | 93.4 | 89.3 | 72.4 | 74.9 | 55.5 | 45.6 | 32.2 | 22.8 | 18.0 | 19.4 | 20.3 | 23.1 | 23.3 | 24.7 | 22.1 | 26.3 | 26.3 | 27.6 | 93.4 | 18.0 | 52.1 |
| 11/16/09 | 27.5 | 27.9 | 26.8 | 27.3 | 25.9 | 27.7 | 27.9 | 26.1 | 23.4 | 22.1 | 18.7 | 17.8 | 14.7 | 14.2 | 13.1 | 13.7 | 14.5 | 15.7 | 16.8 | 17.6 | 17.8 | 19.3 | 21.1 | 21.7 | 27.9 | 13.1 | 20.8 |
| 11/17/09 | 22.8 | 21.5 | 21.6 | 22.2 | 22.2 | 22.3 | 21.9 | 20.1 | 19.1 | 17.4 | 14.5 | 14.2 | 13.0 | 12.3 | 13.4 | 14.2 | 16.3 | 17.3 | 18.8 | 20.4 | 21.3 | 22.1 | 21.0 | 21.6 | 22.8 | 12.3 | 18.8 |
| 11/18/09 | 22.0 | 22.1 | 23.5 | 23.9 | 25.3 | 25.2 | 26.0 | 24.5 | 22.7 | 20.9 | 18.0 | 17.1 | 15.0 | 15.1 | 15.4 | 15.8 | 18.5 | 19.3 | 22.8 | 24.3 | 24.9 | 25.4 | 24.9 | 28.1 | 28.1 | 15.0 | 21.7 |
| 11/19/09 | 25.3 | 27.4 | 25.4 | 29.3 | 31.3 | 26.4 | 32.9 | 31.4 | 26.2 | 22.3 | 20.3 | 18.1 | 16.8 | 18.2 | 17.8 | 19.3 | 21.6 | 22.4 | 21.5 | 25.8 | 26.9 | 26.1 | 27.5 | 26.4 | 32.9 | 16.8 | 24.4 |
| 11/20/09 | 22.7 | 20.8 | 23.3 | 24.5 | 26.1 | 27.3 | 28.3 | 25.3 | 17.0 | 16.3 | 14.7 | 13.8 | 12.9 | 12.2 | 12.4 | 12.1 | 13.8 | 15.1 | 18.8 | 19.5 | 19.1 | 21.7 | 21.6 | 19.5 | 28.3 | 12.1 | 19.1 |
| 11/21/09 | 20.5 | 22.9 | 22.1 | 25.6 | 25.2 | 26.9 | 30.6 | 24.3 | 22.8 | 19.8 | 17.8 | 16.4 | 17.4 | 16.0 | 17.3 | 17.1 | 19.8 | 21.3 | 24.8 | 22.4 | 27.3 | 26.6 | 30.2 | 27.9 | 30.6 | 16.0 | 22.6 |
| 11/22/09 | 28.6 | 33.2 | 32.5 | 32.9 | 38.2 | 38.2 | 38.0 | 33.6 | 25.9 | 22.4 | 22.1 | 19.4 | 19.5 | 15.4 | 16.9 | 18.6 | 21.8 | 23.3 | 28.2 | 28.7 | 28.9 | 29.1 | 27.2 | 24.6 | 38.2 | 15.4 | 27.0 |
| 11/23/09 | 27.6 | 27.0 | 28.0 | 32.9 | 30.5 | 29.0 | 30.1 | 26.5 | 23.1 | 20.3 | 22.6 | 19.4 | 19.5 | 19.3 | 19.0 | 20.5 | 22.5 | 24.2 | 27.4 | 30.2 | 23.9 | 21.7 | 21.3 | 19.0 | 32.9 | 19.0 | 24.4 |
| 11/24/09 | 17.4 | 13.9 | 12.9 | 13.2 | 13.9 | 14.4 | 14.6 | 13.9 | 13.5 | 13.3 | 13.4 | 14.2 | 14.1 | 13.1 | 13.1 | 13.2 | 14.0 | 14.0 | 14.0 | 14.5 | 14.8 | 15.0 | 15.4 | 15.8 | 17.4 | 12.9 | 14.2 |
| 11/25/09 | 15.4 | 15.5 | 17.0 | 17.5 | 17.5 | 17.7 | 18.0 | 15.8 | 15.5 | 15.2 | 14.8 | 14.7 | 14.1 | 13.8 | 13.2 | 15.0 | 14.9 | 17.4 | 15.1 | 15.4 | 15.0 | 14.3 | 13.9 | 14.2 | 18.0 | 13.2 | 15.4 |
| 11/26/09 | 14.5 | 15.5 | 15.9 | 16.2 | 15.8 | 15.8 | 15.9 | 14.6 | 13.6 | 12.9 | 12.8 | 14.1 | 15.7 | 14.9 | 14.6 | 14.8 | 15.4 | 18.4 | 20.3 | 20.2 | 21.7 | 23.8 | 25.5 | 26.4 | 26.4 | 12.8 | 17.0 |
| 11/27/09 | 26.9 | 26.8 | 26.5 | 26.2 | 26.3 | 26.4 | 26.3 | 24.8 | 23.1 | 21.8 | 21.8 | 23.4 | 23.3 | 22.8 | 22.0 | 25.1 | 27.1 | 27.9 | 29.6 | 33.2 | 37.1 | 32.9 | 36.9 | 37.4 | 37.4 | 21.8 | 27.3 |
| 11/28/09 | 39.6 | 33.6 | 31.8 | 37.6 | 43.1 | 55.8 | 57.6 | 58.6 | 57.7 | 53.5 | 37.7 | 29.8 | 25.6 | 25.4 | 25.5 | 30.5 | 39.0 | 47.8 | 50.4 | 55.9 | 62.7 | 53.1 | 68.0 | 54.0 | 68.0 | 25.4 | 44.7 |
| 11/29/09 | 64.6 | 69.0 | 69.4 | 63.2 | 66.6 | 63.6 | 65.3 | 65.9 | 67.7 | 70.9 | 76.0 | 67.1 | 71.6 | 83.2 | 71.7 | 61.2 | 67.8 | 66.3 | 66.0 | 68.1 | 62.2 | 65.8 | 76.2 | 75.5 | 83.2 | 61.2 | 68.5 |
| 11/30/09 | 75.0 | 79.5 | 72.9 | 75.2 | 85.0 | 82.4 | 82.7 | 80.2 | 80.0 | 71.8 | 61.4 | 60.2 | 52.3 | 47.4 | 44.2 | 49.6 | 55.2 | 59.7 | 64.2 | 67.1 | 74.9 | 78.1 | 79.5 | 81.3 | 85.0 | 44.2 | 69.1 |
| Hourly Averages | | 31.2 | 32.0 | 32.3 | 33.2 | 34.8 | 35.2 | 37.0 | 35.4 | 31.9 | 30.2 | 27.4 | 25.9 | 23.9 | 23.7 | 23.8 | 24.0 | 26.2 | 27.5 | 29.6 | 31.3 | 32.1 | 32.4 | 34.0 | 33.6 | | |
| Maximum Hourly Humidity: | | 96.8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minimum Hourly Humidity: | | 10.4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Number of Observations: | | 720 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Possible Number of Observations: | | 720 | | | | | | | | | | | | | | | | | | | | | | | | | |
| INV = Invalid Data | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ND = No Data Collection | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

DECEMBER 2009

RELATIVE HUMIDITY (%)

| 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 | |
|----------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|------|------|------|------|------|-------|------|------|--|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12/01/09 | 84.7 | 86.7 | 88.0 | 76.7 | 77.3 | 74.1 | 76.7 | 63.2 | 47.0 | 34.3 | 49.4 | 45.9 | 39.7 | 42.6 | 44.1 | 42.3 | 47.1 | 48.4 | 49.7 | 52.5 | 49.1 | 47.7 | 46.2 | 51.4 | 88.0 | 34.3 | 56.9 | |
| 12/02/09 | 53.6 | 51.3 | 60.0 | 59.8 | 57.9 | 62.2 | 64.5 | 57.9 | 47.9 | 44.6 | 43.1 | 42.4 | 39.2 | 33.8 | 29.8 | 31.3 | 35.0 | 40.3 | 38.4 | 45.1 | 37.0 | 38.6 | 39.2 | 39.6 | 64.5 | 29.8 | 45.5 | |
| 12/03/09 | 41.9 | 51.2 | 53.9 | 54.9 | 60.3 | 65.5 | 69.8 | 58.6 | 54.0 | 41.6 | 42.8 | 54.6 | 50.3 | 43.7 | 42.3 | 39.2 | 39.4 | 38.9 | 37.9 | 28.6 | 27.5 | 21.9 | 19.6 | 19.3 | 69.8 | 19.3 | 44.1 | |
| 12/04/09 | 15.5 | 14.8 | 14.7 | 14.3 | 14.5 | 14.3 | 14.8 | 14.8 | 12.8 | 11.8 | 12.8 | 13.5 | 14.0 | 12.9 | 16.8 | 19.8 | 21.9 | 20.3 | 18.9 | 21.1 | 22.7 | 25.2 | 29.9 | 29.9 | 11.8 | 16.9 | | |
| 12/05/09 | 30.9 | 32.6 | 34.4 | 36.0 | 38.0 | 40.4 | 43.4 | 43.2 | 33.1 | 29.5 | 25.7 | 23.3 | 18.2 | 20.1 | 17.8 | 19.4 | 22.4 | 23.7 | 19.6 | 13.2 | 14.7 | 15.7 | 20.0 | 22.3 | 43.4 | 13.2 | 26.6 | |
| 12/06/09 | 25.5 | 30.7 | 37.8 | 38.1 | 44.0 | 52.9 | 77.5 | 86.8 | 89.6 | 90.3 | 87.2 | 86.3 | 81.4 | 77.9 | 74.0 | 68.6 | 70.3 | 74.5 | 68.2 | 70.8 | 72.6 | 76.0 | 81.1 | 83.8 | 90.3 | 25.5 | 68.6 | |
| 12/07/09 | 85.0 | 84.1 | 84.2 | 84.8 | 85.2 | 86.0 | 87.2 | 87.6 | 88.1 | 90.5 | 87.5 | 90.9 | 90.9 | 99.4 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 96.2 | 92.7 | 87.7 | 89.1 | 94.4 | 100.0 | 84.1 | 91.3 | |
| 12/08/09 | 100.0 | 100.0 | 100.0 | 93.0 | 93.8 | 78.3 | 73.2 | 76.4 | 74.6 | 68.4 | 59.5 | 63.6 | 59.3 | 63.2 | 55.1 | 53.4 | 62.0 | 59.7 | 61.6 | 65.1 | 58.4 | 57.7 | 57.6 | 60.3 | 100.0 | 53.4 | 70.6 | |
| 12/09/09 | 63.2 | 59.5 | 56.8 | 59.1 | 62.1 | 57.8 | 61.0 | 57.1 | 54.0 | 50.8 | 54.6 | 45.4 | 45.6 | 45.3 | 50.9 | 51.8 | 54.3 | 63.1 | 63.8 | 75.9 | 71.2 | 73.5 | 63.3 | 63.0 | 75.9 | 45.3 | 58.5 | |
| 12/10/09 | 67.5 | 67.9 | 70.1 | 73.6 | 76.1 | 75.7 | 75.5 | 65.5 | 54.6 | 49.0 | 50.1 | 47.3 | 45.6 | 51.8 | 49.3 | 48.3 | 61.6 | 68.9 | 73.8 | 66.6 | 71.5 | 70.8 | 67.5 | 64.2 | 76.1 | 45.6 | 63.0 | |
| 12/11/09 | 69.8 | 62.8 | 59.4 | 61.1 | 58.2 | 60.7 | 58.9 | 55.1 | 52.6 | 41.1 | 38.2 | 27.1 | 35.0 | 43.7 | 47.5 | 44.3 | 46.4 | 51.4 | 56.7 | 53.8 | 55.2 | 54.1 | 52.1 | 47.2 | 69.8 | 27.1 | 51.3 | |
| 12/12/09 | 50.1 | 54.8 | 53.2 | 53.9 | 65.4 | 52.7 | 56.7 | 61.4 | 65.6 | 53.7 | 47.3 | 57.7 | 54.2 | 54.0 | 54.0 | 53.8 | 57.9 | 66.1 | 72.4 | 72.9 | 73.2 | 75.1 | 73.1 | 72.8 | 75.1 | 47.3 | 60.5 | |
| 12/13/09 | 71.3 | 74.6 | 76.3 | 76.3 | 77.7 | 76.6 | 77.2 | 71.0 | 61.5 | 54.3 | 52.6 | 51.3 | 52.3 | 58.1 | 66.6 | 72.7 | 81.9 | 81.6 | 80.3 | 78.2 | 82.0 | 72.8 | 61.8 | 62.9 | 82.0 | 51.3 | 69.6 | |
| 12/14/09 | 69.6 | 66.2 | 71.0 | 75.1 | 70.7 | 77.6 | 77.9 | 80.2 | 72.1 | 68.7 | 47.4 | 49.4 | 52.2 | 52.8 | 52.1 | 51.1 | 58.4 | 62.5 | 63.1 | 64.4 | 74.3 | 71.7 | 65.9 | 58.4 | 80.2 | 47.4 | 64.7 | |
| 12/15/09 | 51.4 | 51.3 | 52.1 | 50.0 | 54.0 | 49.3 | 50.9 | 44.2 | 38.3 | 34.9 | 33.5 | 25.1 | 24.0 | 24.5 | 21.1 | 22.8 | 28.2 | 36.1 | 35.3 | 40.3 | 43.4 | 40.5 | 39.3 | 44.0 | 54.0 | 21.1 | 38.9 | |
| 12/16/09 | 44.0 | 42.2 | 44.0 | 41.1 | 37.9 | 35.9 | 37.9 | 34.9 | 31.5 | 28.9 | 30.5 | 31.2 | 31.1 | 32.0 | 31.8 | 33.9 | 39.5 | 41.3 | 40.4 | 42.6 | 42.4 | 41.6 | 45.2 | 48.5 | 48.5 | 28.9 | 37.9 | |
| 12/17/09 | 46.7 | 46.9 | 45.8 | 45.7 | 46.8 | 50.6 | 50.8 | 49.0 | 43.7 | 39.5 | 34.1 | 32.3 | 30.4 | 28.0 | 25.2 | 23.9 | 27.9 | 36.1 | 35.1 | 37.2 | 38.8 | 33.5 | 23.9 | 24.6 | 50.8 | 23.9 | 37.4 | |
| 12/18/09 | 21.8 | 22.6 | 25.3 | 33.0 | 33.9 | 36.1 | 40.4 | 37.3 | 29.7 | 27.2 | 26.9 | 25.3 | 25.5 | 24.4 | 22.7 | 24.7 | 27.2 | 31.0 | 33.2 | 30.8 | 31.8 | 29.2 | 30.6 | 32.0 | 40.4 | 21.8 | 29.3 | |
| 12/19/09 | 36.3 | 35.5 | 37.1 | 38.8 | 38.8 | 44.3 | 44.1 | 36.9 | 34.4 | 33.9 | 31.3 | 29.2 | 27.8 | 26.8 | 26.5 | 26.7 | 29.2 | 30.2 | 31.9 | 33.5 | 33.5 | 33.0 | 37.3 | 37.9 | 44.3 | 26.5 | 34.0 | |
| 12/20/09 | 40.9 | 41.7 | 42.5 | 44.6 | 45.9 | 45.6 | 47.0 | 44.1 | 41.2 | 36.8 | 33.5 | 32.7 | 31.3 | 29.9 | 28.2 | 31.7 | 36.5 | 39.1 | 40.9 | 42.5 | 41.4 | 42.3 | 42.3 | 43.3 | 47.0 | 28.2 | 39.4 | |
| 12/21/09 | 36.5 | 42.4 | 43.2 | 46.2 | 46.4 | 49.2 | 48.7 | 48.2 | 44.2 | 34.8 | 31.7 | 29.8 | 29.5 | 30.3 | 32.5 | 33.3 | 32.5 | 37.8 | 35.1 | 42.0 | 41.6 | 42.3 | 42.8 | 39.8 | 49.2 | 29.5 | 39.2 | |
| 12/22/09 | 32.6 | 40.6 | 44.6 | 44.6 | 46.0 | 38.1 | 36.8 | 36.3 | 41.0 | 35.8 | 34.3 | 38.0 | 35.1 | 36.7 | 42.8 | 99.5 | 97.3 | 89.6 | 88.8 | 81.8 | 85.1 | 88.6 | 84.8 | 99.5 | 32.6 | 57.7 | | |
| 12/23/09 | 89.4 | 89.2 | 86.8 | 91.5 | 93.6 | 92.6 | 90.2 | 87.1 | 83.1 | 74.8 | 82.8 | 81.1 | 75.3 | 75.0 | 76.2 | 75.8 | 81.1 | 83.8 | 77.1 | 83.6 | 80.7 | 71.6 | 79.1 | 80.6 | 93.6 | 71.6 | 82.6 | |
| 12/24/09 | 76.3 | 79.0 | 88.0 | 86.6 | 84.1 | 88.5 | 93.3 | 87.2 | 65.8 | 44.0 | 41.3 | 38.6 | 32.7 | 27.8 | 29.6 | 24.7 | 27.9 | 48.2 | 44.7 | 39.2 | 43.0 | 41.3 | 39.9 | 40.6 | 93.3 | 24.7 | 54.7 | |
| 12/25/09 | 38.7 | 39.0 | 35.0 | 36.0 | 37.6 | 37.3 | 37.2 | 36.2 | 26.6 | 24.7 | 20.4 | 24.0 | 25.1 | 28.5 | 31.1 | 32.7 | 38.7 | 44.8 | 48.2 | 52.4 | 55.0 | 48.8 | 50.1 | 40.0 | 55.0 | 20.4 | 37.0 | |
| 12/26/09 | 36.4 | 33.1 | 31.3 | 32.8 | 30.1 | 31.4 | 34.2 | 35.7 | 33.1 | 30.1 | 29.6 | 27.3 | 24.9 | 24.5 | 19.7 | 22.7 | 26.7 | 31.0 | 37.7 | 42.0 | 39.5 | 37.9 | 38.0 | 36.0 | 42.0 | 19.7 | 31.9 | |
| 12/27/09 | 39.7 | 38.6 | 37.7 | 40.6 | 42.6 | 41.6 | 41.9 | 33.5 | 27.0 | 26.9 | 26.5 | 26.5 | 23.4 | 20.2 | 18.2 | 19.1 | 23.5 | 31.0 | 26.6 | 26.3 | 23.4 | 27.5 | 27.9 | 31.9 | 42.6 | 18.2 | 30.1 | |
| 12/28/09 | 32.6 | 33.4 | 33.5 | 33.8 | 35.7 | 34.4 | 37.0 | 34.0 | 33.5 | 32.9 | 30.3 | 28.8 | 29.6 | 27.8 | 27.9 | 27.7 | 30.6 | 30.8 | 32.4 | 35.1 | 36.4 | 38.4 | 41.8 | 41.8 | 27.7 | 32.8 | | |
| 12/29/09 | 40.4 | 41.9 | 44.0 | 44.3 | 46.3 | 48.7 | 48.8 | 55.3 | 61.0 | 62.0 | 63.0 | 57.6 | 45.2 | 47.6 | 40.0 | 33.3 | 36.2 | 37.4 | 38.6 | 46.1 | 38.2 | 46.4 | 38.0 | 38.3 | 63.0 | 33.3 | 45.8 | |
| 12/30/09 | 39.6 | 46.3 | 48.3 | 46.5 | 49.0 | 52.5 | 48.3 | 48.8 | 40.4 | 34.6 | 38.9 | 42.1 | 40.1 | 42.7 | 43.6 | 41.1 | 43.4 | 46.1 | 45.9 | 42.1 | 43.1 | 60.3 | 61.3 | 65.1 | 65.1 | 34.6 | 46.3 | |
| 12/31/09 | 67.9 | 69.0 | 69.5 | 60.4 | 74.7 | 73.2 | 64.0 | 54.0 | 47.6 | 44.2 | 39.2 | 31.1 | 29.4 | 24.5 | 22.9 | 22.4 | 25.0 | 27.2 | 28.2 | 26.9 | 27.5 | 29.3 | 30.9 | 31.2 | 74.7 | 22.4 | 42.5 | |

Hourly Averages
 Maximum Hourly Humidity: 100.0
 Total Number of Observations: 744

Minimum Hourly Humidity: 11.8
 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
OCTOBER 2009

BAROMETRIC PRESSURE (in Hg)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg | | | |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | | | |
| 10/01/09 | 25.78 | 25.79 | 25.80 | 25.80 | 25.79 | 25.80 | 25.82 | 25.84 | 25.85 | 25.87 | 25.88 | 25.87 | 25.86 | 25.84 | 25.82 | 25.80 | 25.80 | 25.81 | 25.81 | 25.82 | 25.83 | 25.82 | 25.88 | 25.78 | 25.82 | | | | | |
| 10/02/09 | 25.81 | 25.80 | 25.80 | 25.79 | 25.80 | 25.80 | 25.80 | 25.81 | 25.82 | 25.82 | 25.81 | 25.80 | 25.78 | 25.76 | 25.73 | 25.72 | 25.72 | 25.70 | 25.69 | 25.71 | 25.72 | 25.72 | 25.73 | 25.71 | 25.82 | 25.69 | 25.76 | | | |
| 10/03/09 | 25.70 | 25.70 | 25.71 | 25.71 | 25.70 | 25.68 | 25.69 | 25.69 | 25.69 | 25.68 | 25.68 | 25.66 | 25.64 | 25.60 | 25.58 | 25.56 | 25.54 | 25.54 | 25.55 | 25.55 | 25.56 | 25.57 | 25.57 | 25.58 | 25.71 | 25.54 | 25.63 | | | |
| 10/04/09 | 25.58 | 25.57 | 25.57 | 25.56 | 25.56 | 25.56 | 25.57 | 25.59 | 25.60 | 25.60 | 25.59 | 25.57 | 25.58 | 25.55 | 25.54 | 25.53 | 25.52 | 25.52 | 25.54 | 25.57 | 25.59 | 25.60 | 25.61 | 25.61 | 25.52 | 25.57 | | | | |
| 10/05/09 | 25.61 | 25.61 | 25.63 | 25.62 | 25.63 | 25.63 | 25.64 | 25.65 | 25.67 | 25.67 | 25.68 | 25.67 | 25.67 | 25.66 | 25.66 | 25.65 | 25.65 | 25.66 | 25.67 | 25.68 | 25.69 | 25.69 | 25.69 | 25.69 | 25.66 | 25.61 | 25.66 | | | |
| 10/06/09 | 25.69 | 25.69 | 25.68 | 25.67 | 25.67 | 25.67 | 25.68 | 25.69 | 25.69 | 25.70 | 25.70 | 25.69 | 25.68 | 25.66 | 25.64 | 25.64 | 25.63 | 25.63 | 25.63 | 25.64 | 25.64 | 25.65 | 25.65 | 25.70 | 25.63 | 25.66 | | | | |
| 10/07/09 | 25.65 | 25.65 | 25.65 | 25.63 | 25.64 | 25.64 | 25.65 | 25.67 | 25.67 | 25.70 | 25.69 | 25.68 | 25.66 | 25.64 | 25.64 | 25.64 | 25.64 | 25.64 | 25.66 | 25.67 | 25.67 | 25.68 | 25.68 | 25.70 | 25.63 | 25.66 | | | | |
| 10/08/09 | 25.69 | 25.69 | 25.70 | 25.70 | 25.70 | 25.71 | 25.72 | 25.73 | 25.75 | 25.77 | 25.77 | 25.78 | 25.77 | 25.76 | 25.75 | 25.76 | 25.77 | 25.78 | 25.79 | 25.80 | 25.81 | 25.83 | 25.84 | 25.84 | 25.84 | 25.69 | 25.76 | | | |
| 10/09/09 | 25.83 | 25.84 | 25.86 | 25.86 | 25.86 | 25.86 | 25.87 | 25.88 | 25.89 | 25.88 | 25.88 | 25.88 | 25.86 | 25.84 | 25.81 | 25.80 | 25.78 | 25.78 | 25.78 | 25.79 | 25.79 | 25.78 | 25.79 | 25.89 | 25.78 | 25.83 | | | | |
| 10/10/09 | 25.77 | 25.77 | 25.76 | 25.74 | 25.74 | 25.74 | 25.73 | 25.74 | 25.75 | 25.74 | 25.73 | 25.72 | 25.71 | 25.68 | 25.66 | 25.65 | 25.64 | 25.64 | 25.65 | 25.66 | 25.66 | 25.66 | 25.66 | 25.77 | 25.64 | 25.70 | | | | |
| 10/11/09 | 25.65 | 25.66 | 25.65 | 25.64 | 25.65 | 25.65 | 25.66 | 25.67 | 25.69 | 25.70 | 25.70 | 25.69 | 25.68 | 25.66 | 25.64 | 25.63 | 25.63 | 25.63 | 25.63 | 25.64 | 25.65 | 25.66 | 25.67 | 25.68 | 25.68 | 25.70 | 25.63 | 25.66 | | |
| 10/12/09 | 25.68 | 25.68 | 25.69 | 25.68 | 25.67 | 25.68 | 25.69 | 25.69 | 25.70 | 25.70 | 25.69 | 25.69 | 25.67 | 25.64 | 25.64 | 25.61 | 25.60 | 25.58 | 25.58 | 25.59 | 25.60 | 25.61 | 25.63 | 25.66 | 25.70 | 25.57 | 25.65 | | | |
| 10/13/09 | 25.67 | 25.68 | 25.69 | 25.69 | 25.70 | 25.72 | 25.72 | 25.73 | 25.74 | 25.75 | 25.77 | 25.77 | 25.77 | 25.76 | 25.76 | 25.75 | 25.76 | 25.76 | 25.76 | 25.78 | 25.80 | 25.81 | 25.82 | 25.83 | 25.83 | 25.67 | 25.75 | | | |
| 10/14/09 | 25.83 | 25.83 | 25.84 | 25.84 | 25.83 | 25.85 | 25.86 | 25.87 | 25.89 | 25.90 | 25.89 | 25.89 | 25.87 | 25.86 | 25.84 | 25.83 | 25.83 | 25.82 | 25.83 | 25.84 | 25.85 | 25.85 | 25.85 | 25.90 | 25.82 | 25.85 | | | | |
| 10/15/09 | 25.83 | 25.84 | 25.83 | 25.83 | 25.84 | 25.85 | 25.85 | 25.86 | 25.87 | 25.87 | 25.87 | 25.86 | 25.84 | 25.82 | 25.80 | 25.78 | 25.78 | 25.78 | 25.79 | 25.80 | 25.82 | 25.83 | 25.83 | 25.87 | 25.78 | 25.83 | | | | |
| 10/16/09 | 25.80 | 25.80 | 25.80 | 25.80 | 25.80 | 25.81 | 25.82 | 25.83 | 25.83 | 25.84 | 25.84 | 25.84 | 25.84 | 25.82 | 25.79 | 25.76 | 25.76 | 25.76 | 25.77 | 25.78 | 25.79 | 25.80 | 25.81 | 25.84 | 25.76 | 25.80 | | | | |
| 10/17/09 | 25.81 | 25.82 | 25.82 | 25.82 | 25.82 | 25.83 | 25.84 | 25.85 | 25.86 | 25.87 | 25.87 | 25.87 | 25.86 | 25.84 | 25.82 | 25.81 | 25.80 | 25.80 | 25.81 | 25.82 | 25.83 | 25.84 | 25.84 | 25.87 | 25.80 | 25.83 | | | | |
| 10/18/09 | 25.84 | 25.85 | 25.85 | 25.86 | 25.86 | 25.87 | 25.89 | 25.89 | 25.90 | 25.91 | 25.91 | 25.90 | 25.88 | 25.85 | 25.82 | 25.80 | 25.79 | 25.78 | 25.78 | 25.77 | 25.78 | 25.78 | 25.79 | 25.91 | 25.77 | 25.84 | | | | |
| 10/19/09 | 25.79 | 25.79 | 25.80 | 25.79 | 25.79 | 25.79 | 25.80 | 25.80 | 25.81 | 25.81 | 25.81 | 25.78 | 25.76 | 25.73 | 25.71 | 25.70 | 25.68 | 25.67 | 25.66 | 25.67 | 25.67 | 25.67 | 25.67 | 25.81 | 25.66 | 25.75 | | | | |
| 10/20/09 | 25.67 | 25.66 | 25.66 | 25.64 | 25.63 | 25.61 | 25.60 | 25.61 | 25.62 | 25.63 | 25.63 | 25.62 | 25.62 | 25.60 | 25.57 | 25.55 | 25.54 | 25.55 | 25.56 | 25.57 | 25.59 | 25.60 | 25.61 | 25.62 | 25.67 | 25.54 | 25.61 | | | |
| 10/21/09 | 25.62 | 25.62 | 25.62 | 25.62 | 25.61 | 25.62 | 25.64 | 25.66 | 25.67 | 25.68 | 25.68 | 25.66 | 25.64 | 25.62 | 25.62 | 25.64 | 25.64 | 25.65 | 25.66 | 25.66 | 25.68 | 25.69 | 25.70 | 25.71 | 25.71 | 25.61 | 25.65 | | | |
| 10/22/09 | 25.71 | 25.71 | 25.71 | 25.70 | 25.70 | 25.70 | 25.72 | 25.74 | 25.75 | 25.75 | 25.75 | 25.74 | 25.74 | 25.72 | 25.69 | 25.69 | 25.68 | 25.70 | 25.71 | 25.71 | 25.73 | 25.74 | 25.75 | 25.75 | 25.75 | 25.68 | 25.72 | | | |
| 10/23/09 | 25.75 | 25.75 | 25.76 | 25.75 | 25.75 | 25.76 | 25.77 | 25.77 | 25.79 | 25.80 | 25.82 | 25.82 | 25.81 | 25.80 | 25.78 | 25.76 | 25.75 | 25.76 | 25.76 | 25.77 | 25.77 | 25.78 | 25.78 | 25.82 | 25.75 | 25.77 | | | | |
| 10/24/09 | 25.77 | 25.77 | 25.77 | 25.76 | 25.75 | 25.75 | 25.75 | 25.76 | 25.78 | 25.79 | 25.78 | 25.76 | 25.74 | 25.72 | 25.69 | 25.68 | 25.67 | 25.67 | 25.68 | 25.69 | 25.69 | 25.70 | 25.69 | 25.77 | 25.67 | 25.73 | | | | |
| 10/25/09 | 25.69 | 25.67 | 25.68 | 25.68 | 25.69 | 25.69 | 25.68 | 25.69 | 25.73 | 25.74 | 25.74 | 25.73 | 25.73 | 25.72 | 25.72 | 25.70 | 25.68 | 25.69 | 25.69 | 25.71 | 25.73 | 25.76 | 25.76 | 25.80 | 25.67 | 25.71 | | | | |
| 10/26/09 | 25.80 | 25.79 | 25.80 | 25.81 | 25.82 | 25.84 | 25.86 | 25.86 | 25.87 | 25.89 | 25.90 | 25.87 | 25.84 | 25.81 | 25.80 | 25.79 | 25.77 | 25.77 | 25.78 | 25.76 | 25.76 | 25.75 | 25.76 | 25.90 | 25.75 | 25.82 | | | | |
| 10/27/09 | 25.74 | 25.72 | 25.71 | 25.68 | 25.65 | 25.64 | 25.62 | 25.61 | 25.61 | 25.59 | 25.58 | 25.55 | 25.55 | 25.46 | 25.41 | 25.37 | 25.35 | 25.32 | 25.30 | 25.29 | 25.28 | 25.28 | 25.28 | 25.74 | 25.25 | 25.49 | | | | |
| 10/28/09 | 25.29 | 25.30 | 25.30 | 25.30 | 25.31 | 25.32 | 25.32 | 25.34 | 25.36 | 25.38 | 25.39 | 25.40 | 25.40 | 25.39 | 25.39 | 25.40 | 25.42 | 25.44 | 25.45 | 25.47 | 25.50 | 25.51 | 25.53 | 25.54 | 25.54 | 25.29 | 25.39 | | | |
| 10/29/09 | 25.54 | 25.55 | 25.56 | 25.57 | 25.58 | 25.60 | 25.62 | 25.63 | 25.64 | 25.67 | 25.66 | 25.67 | 25.65 | 25.65 | 25.66 | 25.68 | 25.69 | 25.71 | 25.72 | 25.72 | 25.74 | 25.75 | 25.75 | 25.54 | 25.65 | | | | | |
| 10/30/09 | 25.74 | 25.74 | 25.75 | 25.76 | 25.76 | 25.79 | 25.80 | 25.82 | 25.85 | 25.86 | 25.87 | 25.87 | 25.85 | 25.84 | 25.84 | 25.84 | 25.84 | 25.85 | 25.86 | 25.86 | 25.88 | 25.87 | 25.88 | 25.74 | 25.83 | | | | | |
| 10/31/09 | 25.86 | 25.87 | 25.85 | 25.84 | 25.84 | 25.84 | 25.83 | 25.84 | 25.84 | 25.86 | 25.85 | 25.84 | 25.81 | 25.80 | 25.79 | 25.81 | 25.82 | 25.83 | 25.85 | 25.85 | 25.85 | 25.85 | 25.87 | 25.79 | 25.83 | | | | | |

Maximum Hourly Pressure: 25.91

Minimum Hourly Pressure: 25.25

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE
NOVEMBER 2009

BAROMETRIC PRESSURE (in Hg)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg | |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | |
| 11/01/09 | 25.85 | 25.85 | 25.85 | 25.84 | 25.83 | 25.84 | 25.85 | 25.86 | 25.87 | 25.89 | 25.89 | 25.89 | 25.88 | 25.85 | 25.84 | 25.83 | 25.83 | 25.84 | 25.85 | 25.86 | 25.87 | 25.88 | 25.88 | 25.89 | 25.89 | 25.83 | 25.86 | |
| 11/02/09 | 25.89 | 25.89 | 25.89 | 25.89 | 25.89 | 25.89 | 25.90 | 25.90 | 25.91 | 25.93 | 25.94 | 25.94 | 25.94 | 25.92 | 25.89 | 25.88 | 25.88 | 25.87 | 25.88 | 25.88 | 25.90 | 25.90 | 25.91 | 25.90 | 25.94 | 25.87 | 25.90 | |
| 11/03/09 | 25.90 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.92 | 25.93 | 25.94 | 25.94 | 25.94 | 25.94 | 25.94 | 25.92 | 25.90 | 25.88 | 25.86 | 25.86 | 25.85 | 25.87 | 25.87 | 25.88 | 25.89 | 25.89 | 25.94 | 25.85 | 25.90 | |
| 11/04/09 | 25.89 | 25.90 | 25.90 | 25.90 | 25.90 | 25.90 | 25.91 | 25.92 | 25.93 | 25.93 | 25.94 | 25.94 | 25.94 | 25.93 | 25.93 | 25.92 | 25.89 | 25.88 | 25.88 | 25.88 | 25.90 | 25.91 | 25.91 | 25.93 | 25.94 | 25.94 | 25.88 | 25.91 |
| 11/05/09 | 25.94 | 25.94 | 25.93 | 25.93 | 25.93 | 25.93 | 25.93 | 25.94 | 25.95 | 25.97 | 25.97 | 25.96 | 25.94 | 25.91 | 25.88 | 25.87 | 25.86 | 25.86 | 25.86 | 25.87 | 25.87 | 25.87 | 25.88 | 25.88 | 25.97 | 25.86 | 25.91 | |
| 11/06/09 | 25.87 | 25.86 | 25.86 | 25.85 | 25.85 | 25.85 | 25.85 | 25.86 | 25.86 | 25.87 | 25.86 | 25.85 | 25.83 | 25.80 | 25.79 | 25.78 | 25.76 | 25.76 | 25.77 | 25.77 | 25.77 | 25.77 | 25.77 | 25.76 | 25.87 | 25.76 | 25.82 | |
| 11/07/09 | 25.75 | 25.75 | 25.74 | 25.73 | 25.72 | 25.72 | 25.73 | 25.74 | 25.74 | 25.75 | 25.75 | 25.74 | 25.73 | 25.70 | 25.69 | 25.68 | 25.68 | 25.69 | 25.70 | 25.70 | 25.71 | 25.72 | 25.73 | 25.73 | 25.75 | 25.68 | 25.72 | |
| 11/08/09 | 25.73 | 25.73 | 25.73 | 25.73 | 25.73 | 25.74 | 25.75 | 25.76 | 25.78 | 25.79 | 25.79 | 25.79 | 25.77 | 25.76 | 25.74 | 25.74 | 25.75 | 25.76 | 25.77 | 25.79 | 25.80 | 25.80 | 25.82 | 25.82 | 25.82 | 25.73 | 25.77 | |
| 11/09/09 | 25.83 | 25.83 | 25.82 | 25.83 | 25.84 | 25.85 | 25.86 | 25.88 | 25.90 | 25.91 | 25.92 | 25.92 | 25.90 | 25.88 | 25.86 | 25.86 | 25.86 | 25.86 | 25.87 | 25.88 | 25.88 | 25.89 | 25.89 | 25.92 | 25.82 | 25.87 | | |
| 11/10/09 | 25.89 | 25.89 | 25.89 | 25.89 | 25.89 | 25.90 | 25.91 | 25.92 | 25.94 | 25.95 | 25.95 | 25.94 | 25.93 | 25.90 | 25.88 | 25.88 | 25.87 | 25.87 | 25.88 | 25.89 | 25.90 | 25.90 | 25.91 | 25.92 | 25.95 | 25.87 | 25.90 | |
| 11/11/09 | 25.92 | 25.92 | 25.91 | 25.91 | 25.89 | 25.89 | 25.89 | 25.90 | 25.91 | 25.93 | 25.92 | 25.91 | 25.89 | 25.85 | 25.84 | 25.82 | 25.81 | 25.80 | 25.80 | 25.81 | 25.80 | 25.80 | 25.80 | 25.79 | 25.93 | 25.79 | 25.86 | |
| 11/12/09 | 25.78 | 25.77 | 25.76 | 25.74 | 25.73 | 25.73 | 25.73 | 25.73 | 25.73 | 25.73 | 25.73 | 25.72 | 25.69 | 25.67 | 25.65 | 25.63 | 25.62 | 25.62 | 25.61 | 25.61 | 25.61 | 25.61 | 25.61 | 25.61 | 25.78 | 25.61 | 25.68 | |
| 11/13/09 | 25.61 | 25.59 | 25.58 | 25.57 | 25.56 | 25.56 | 25.56 | 25.57 | 25.59 | 25.60 | 25.61 | 25.61 | 25.61 | 25.59 | 25.58 | 25.58 | 25.59 | 25.60 | 25.60 | 25.61 | 25.62 | 25.62 | 25.64 | 25.64 | 25.64 | 25.56 | 25.60 | |
| 11/14/09 | 25.63 | 25.63 | 25.64 | 25.63 | 25.64 | 25.64 | 25.66 | 25.68 | 25.70 | 25.71 | 25.73 | 25.72 | 25.71 | 25.69 | 25.69 | 25.70 | 25.70 | 25.71 | 25.73 | 25.74 | 25.75 | 25.77 | 25.77 | 25.77 | 25.63 | 25.69 | | |
| 11/15/09 | 25.78 | 25.79 | 25.79 | 25.79 | 25.79 | 25.81 | 25.83 | 25.86 | 25.86 | 25.88 | 25.88 | 25.89 | 25.88 | 25.87 | 25.86 | 25.87 | 25.87 | 25.88 | 25.89 | 25.91 | 25.91 | 25.92 | 25.93 | 25.93 | 25.78 | 25.86 | | |
| 11/16/09 | 25.93 | 25.93 | 25.94 | 25.93 | 25.93 | 25.93 | 25.95 | 25.96 | 25.96 | 25.96 | 25.95 | 25.94 | 25.91 | 25.89 | 25.88 | 25.88 | 25.87 | 25.87 | 25.87 | 25.88 | 25.89 | 25.90 | 25.90 | 25.96 | 25.87 | 25.92 | | |
| 11/17/09 | 25.90 | 25.90 | 25.89 | 25.88 | 25.87 | 25.86 | 25.86 | 25.87 | 25.88 | 25.87 | 25.85 | 25.83 | 25.81 | 25.79 | 25.77 | 25.77 | 25.77 | 25.78 | 25.79 | 25.79 | 25.79 | 25.78 | 25.90 | 25.77 | 25.83 | | | |
| 11/18/09 | 25.78 | 25.78 | 25.77 | 25.76 | 25.76 | 25.76 | 25.77 | 25.78 | 25.78 | 25.78 | 25.77 | 25.75 | 25.72 | 25.71 | 25.70 | 25.69 | 25.70 | 25.70 | 25.71 | 25.72 | 25.73 | 25.74 | 25.78 | 25.69 | 25.74 | | | |
| 11/19/09 | 25.74 | 25.74 | 25.75 | 25.75 | 25.74 | 25.74 | 25.76 | 25.78 | 25.80 | 25.81 | 25.80 | 25.78 | 25.77 | 25.76 | 25.76 | 25.77 | 25.78 | 25.79 | 25.81 | 25.83 | 25.85 | 25.85 | 25.86 | 25.78 | 25.78 | 25.78 | | |
| 11/20/09 | 25.87 | 25.86 | 25.85 | 25.85 | 25.85 | 25.86 | 25.87 | 25.88 | 25.89 | 25.90 | 25.91 | 25.90 | 25.87 | 25.85 | 25.83 | 25.82 | 25.82 | 25.81 | 25.81 | 25.81 | 25.80 | 25.80 | 25.79 | 25.91 | 25.79 | 25.85 | | |
| 11/21/09 | 25.78 | 25.77 | 25.76 | 25.75 | 25.74 | 25.74 | 25.74 | 25.74 | 25.74 | 25.75 | 25.74 | 25.71 | 25.69 | 25.68 | 25.68 | 25.69 | 25.68 | 25.68 | 25.71 | 25.72 | 25.73 | 25.73 | 25.78 | 25.68 | 25.72 | | | |
| 11/22/09 | 25.74 | 25.74 | 25.75 | 25.74 | 25.74 | 25.75 | 25.76 | 25.78 | 25.80 | 25.80 | 25.79 | 25.77 | 25.75 | 25.73 | 25.73 | 25.72 | 25.73 | 25.73 | 25.75 | 25.76 | 25.77 | 25.77 | 25.78 | 25.80 | 25.72 | 25.76 | | |
| 11/23/09 | 25.78 | 25.78 | 25.78 | 25.79 | 25.79 | 25.80 | 25.81 | 25.82 | 25.84 | 25.85 | 25.84 | 25.83 | 25.81 | 25.80 | 25.80 | 25.81 | 25.81 | 25.82 | 25.83 | 25.84 | 25.84 | 25.85 | 25.86 | 25.87 | 25.78 | 25.82 | | |
| 11/24/09 | 25.87 | 25.86 | 25.86 | 25.85 | 25.86 | 25.86 | 25.87 | 25.88 | 25.89 | 25.90 | 25.91 | 25.91 | 25.89 | 25.86 | 25.84 | 25.83 | 25.83 | 25.84 | 25.85 | 25.86 | 25.86 | 25.86 | 25.87 | 25.91 | 25.83 | 25.87 | | |
| 11/25/09 | 25.88 | 25.87 | 25.87 | 25.88 | 25.87 | 25.86 | 25.86 | 25.88 | 25.88 | 25.89 | 25.90 | 25.89 | 25.87 | 25.85 | 25.83 | 25.83 | 25.82 | 25.82 | 25.83 | 25.84 | 25.85 | 25.86 | 25.86 | 25.87 | 25.90 | 25.82 | 25.86 | |
| 11/26/09 | 25.89 | 25.88 | 25.89 | 25.88 | 25.87 | 25.86 | 25.89 | 25.91 | 25.92 | 25.92 | 25.92 | 25.91 | 25.89 | 25.86 | 25.84 | 25.84 | 25.84 | 25.84 | 25.85 | 25.87 | 25.88 | 25.88 | 25.92 | 25.84 | 25.88 | | | |
| 11/27/09 | 25.88 | 25.88 | 25.88 | 25.87 | 25.86 | 25.86 | 25.86 | 25.87 | 25.87 | 25.87 | 25.86 | 25.83 | 25.79 | 25.76 | 25.74 | 25.74 | 25.73 | 25.73 | 25.72 | 25.71 | 25.71 | 25.70 | 25.88 | 25.70 | 25.80 | | | |
| 11/28/09 | 25.69 | 25.67 | 25.66 | 25.65 | 25.62 | 25.60 | 25.60 | 25.62 | 25.61 | 25.61 | 25.60 | 25.58 | 25.54 | 25.52 | 25.51 | 25.52 | 25.52 | 25.53 | 25.55 | 25.56 | 25.57 | 25.59 | 25.60 | 25.69 | 25.51 | 25.59 | | |
| 11/29/09 | 25.60 | 25.61 | 25.61 | 25.61 | 25.61 | 25.60 | 25.61 | 25.61 | 25.64 | 25.65 | 25.66 | 25.65 | 25.64 | 25.64 | 25.63 | 25.64 | 25.65 | 25.67 | 25.69 | 25.69 | 25.71 | 25.73 | 25.74 | 25.74 | 25.60 | 25.65 | | |
| 11/30/09 | 25.73 | 25.73 | 25.75 | 25.75 | 25.74 | 25.74 | 25.74 | 25.75 | 25.76 | 25.77 | 25.78 | 25.78 | 25.75 | 25.74 | 25.72 | 25.70 | 25.73 | 25.74 | 25.74 | 25.74 | 25.74 | 25.75 | 25.78 | 25.70 | 25.74 | | | |

Hourly Averages
 Maximum Hourly Pressure: 25.97 Minimum Hourly Pressure: 25.51

Total Number of Observations: 720

Possible Number of Observations: 720

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

DECEMBER 2009

BAROMETRIC PRESSURE (in Hg)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 12/01/09 | 25.75 | 25.73 | 25.73 | 25.71 | 25.71 | 25.71 | 25.72 | 25.72 | 25.73 | 25.73 | 25.73 | 25.71 | 25.69 | 25.67 | 25.65 | 25.64 | 25.64 | 25.65 | 25.65 | 25.66 | 25.66 | 25.67 | 25.67 | 25.75 | 25.64 | 25.69 | |
| 12/02/09 | 25.68 | 25.67 | 25.68 | 25.68 | 25.68 | 25.68 | 25.69 | 25.69 | 25.70 | 25.70 | 25.71 | 25.71 | 25.68 | 25.66 | 25.64 | 25.64 | 25.64 | 25.64 | 25.65 | 25.66 | 25.66 | 25.66 | 25.66 | 25.71 | 25.64 | 25.67 | |
| 12/03/09 | 25.66 | 25.66 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.68 | 25.70 | 25.71 | 25.71 | 25.68 | 25.66 | 25.64 | 25.64 | 25.64 | 25.64 | 25.65 | 25.66 | 25.66 | 25.66 | 25.66 | 25.71 | 25.66 | 25.70 | |
| 12/04/09 | 25.79 | 25.80 | 25.82 | 25.84 | 25.83 | 25.86 | 25.86 | 25.89 | 25.89 | 25.92 | 25.93 | 25.91 | 25.90 | 25.88 | 25.87 | 25.86 | 25.85 | 25.85 | 25.84 | 25.84 | 25.84 | 25.84 | 25.84 | 25.93 | 25.79 | 25.86 | |
| 12/05/09 | 25.83 | 25.81 | 25.80 | 25.79 | 25.77 | 25.75 | 25.74 | 25.74 | 25.73 | 25.73 | 25.73 | 25.72 | 25.69 | 25.66 | 25.62 | 25.60 | 25.59 | 25.58 | 25.57 | 25.57 | 25.57 | 25.57 | 25.57 | 25.83 | 25.57 | 25.67 | |
| 12/06/09 | 25.56 | 25.57 | 25.58 | 25.59 | 25.59 | 25.60 | 25.59 | 25.63 | 25.64 | 25.67 | 25.68 | 25.69 | 25.67 | 25.65 | 25.63 | 25.63 | 25.64 | 25.64 | 25.65 | 25.65 | 25.66 | 25.67 | 25.67 | 25.69 | 25.56 | 25.64 | |
| 12/07/09 | 25.68 | 25.66 | 25.66 | 25.66 | 25.65 | 25.63 | 25.65 | 25.66 | 25.66 | 25.64 | 25.61 | 25.58 | 25.54 | 25.52 | 25.49 | 25.49 | 25.48 | 25.46 | 25.42 | 25.40 | 25.38 | 25.36 | 25.35 | 25.68 | 25.35 | 25.55 | |
| 12/08/09 | 25.32 | 25.31 | 25.33 | 25.38 | 25.41 | 25.44 | 25.51 | 25.57 | 25.59 | 25.64 | 25.67 | 25.67 | 25.68 | 25.68 | 25.68 | 25.69 | 25.69 | 25.70 | 25.70 | 25.72 | 25.73 | 25.73 | 25.74 | 25.75 | 25.75 | 25.75 | |
| 12/09/09 | 25.73 | 25.73 | 25.73 | 25.73 | 25.73 | 25.72 | 25.73 | 25.74 | 25.76 | 25.77 | 25.79 | 25.77 | 25.74 | 25.72 | 25.71 | 25.71 | 25.72 | 25.73 | 25.73 | 25.74 | 25.75 | 25.76 | 25.78 | 25.79 | 25.71 | 25.74 | |
| 12/10/09 | 25.78 | 25.76 | 25.76 | 25.75 | 25.74 | 25.75 | 25.75 | 25.76 | 25.76 | 25.78 | 25.77 | 25.77 | 25.74 | 25.73 | 25.73 | 25.74 | 25.74 | 25.74 | 25.76 | 25.76 | 25.77 | 25.78 | 25.79 | 25.79 | 25.73 | 25.76 | |
| 12/11/09 | 25.78 | 25.78 | 25.78 | 25.78 | 25.78 | 25.79 | 25.79 | 25.80 | 25.81 | 25.83 | 25.83 | 25.83 | 25.80 | 25.78 | 25.76 | 25.77 | 25.78 | 25.78 | 25.79 | 25.80 | 25.81 | 25.82 | 25.82 | 25.83 | 25.76 | 25.80 | |
| 12/12/09 | 25.82 | 25.81 | 25.81 | 25.81 | 25.81 | 25.80 | 25.81 | 25.84 | 25.85 | 25.87 | 25.89 | 25.90 | 25.87 | 25.84 | 25.84 | 25.83 | 25.84 | 25.82 | 25.84 | 25.84 | 25.83 | 25.83 | 25.83 | 25.90 | 25.80 | 25.84 | |
| 12/13/09 | 25.83 | 25.80 | 25.79 | 25.79 | 25.78 | 25.77 | 25.76 | 25.76 | 25.76 | 25.76 | 25.75 | 25.74 | 25.71 | 25.72 | 25.72 | 25.74 | 25.74 | 25.74 | 25.74 | 25.74 | 25.74 | 25.75 | 25.75 | 25.83 | 25.71 | 25.76 | |
| 12/14/09 | 25.75 | 25.74 | 25.74 | 25.74 | 25.74 | 25.74 | 25.74 | 25.75 | 25.78 | 25.81 | 25.81 | 25.80 | 25.79 | 25.79 | 25.79 | 25.80 | 25.81 | 25.82 | 25.86 | 25.86 | 25.88 | 25.90 | 25.90 | 25.74 | 25.80 | | |
| 12/15/09 | 25.90 | 25.91 | 25.90 | 25.91 | 25.92 | 25.93 | 25.93 | 25.95 | 25.97 | 25.99 | 26.01 | 26.00 | 25.97 | 25.95 | 25.94 | 25.94 | 25.95 | 25.96 | 25.97 | 25.98 | 25.98 | 25.98 | 25.98 | 26.01 | 25.90 | 25.95 | |
| 12/16/09 | 25.99 | 25.97 | 25.98 | 25.97 | 25.96 | 25.95 | 25.97 | 25.97 | 25.98 | 25.98 | 25.98 | 25.98 | 25.96 | 25.92 | 25.91 | 25.90 | 25.90 | 25.90 | 25.91 | 25.91 | 25.91 | 25.91 | 25.99 | 25.90 | 25.94 | | |
| 12/17/09 | 25.90 | 25.89 | 25.88 | 25.88 | 25.87 | 25.86 | 25.87 | 25.88 | 25.88 | 25.88 | 25.90 | 25.89 | 25.86 | 25.83 | 25.83 | 25.83 | 25.84 | 25.84 | 25.83 | 25.83 | 25.84 | 25.84 | 25.90 | 25.81 | 25.86 | | |
| 12/18/09 | 25.83 | 25.82 | 25.83 | 25.84 | 25.83 | 25.82 | 25.82 | 25.82 | 25.83 | 25.85 | 25.83 | 25.80 | 25.78 | 25.77 | 25.77 | 25.77 | 25.76 | 25.76 | 25.77 | 25.77 | 25.78 | 25.78 | 25.85 | 25.76 | 25.80 | | |
| 12/19/09 | 25.77 | 25.77 | 25.76 | 25.78 | 25.78 | 25.78 | 25.80 | 25.80 | 25.82 | 25.84 | 25.86 | 25.86 | 25.85 | 25.84 | 25.83 | 25.84 | 25.84 | 25.85 | 25.86 | 25.87 | 25.87 | 25.89 | 25.90 | 25.76 | 25.83 | | |
| 12/20/09 | 25.90 | 25.89 | 25.89 | 25.90 | 25.90 | 25.90 | 25.91 | 25.92 | 25.92 | 25.94 | 25.96 | 25.95 | 25.93 | 25.91 | 25.89 | 25.89 | 25.89 | 25.89 | 25.90 | 25.90 | 25.90 | 25.89 | 25.96 | 25.89 | 25.91 | | |
| 12/21/09 | 25.88 | 25.88 | 25.88 | 25.86 | 25.86 | 25.85 | 25.86 | 25.86 | 25.86 | 25.86 | 25.86 | 25.84 | 25.81 | 25.78 | 25.78 | 25.77 | 25.78 | 25.78 | 25.76 | 25.76 | 25.76 | 25.76 | 25.88 | 25.74 | 25.82 | | |
| 12/22/09 | 25.72 | 25.70 | 25.70 | 25.68 | 25.67 | 25.65 | 25.63 | 25.62 | 25.60 | 25.58 | 25.57 | 25.55 | 25.52 | 25.46 | 25.41 | 25.38 | 25.40 | 25.42 | 25.44 | 25.46 | 25.47 | 25.49 | 25.72 | 25.38 | 25.54 | | |
| 12/23/09 | 25.50 | 25.50 | 25.50 | 25.49 | 25.50 | 25.51 | 25.54 | 25.56 | 25.59 | 25.62 | 25.63 | 25.63 | 25.62 | 25.63 | 25.63 | 25.66 | 25.69 | 25.70 | 25.71 | 25.72 | 25.73 | 25.74 | 25.76 | 25.76 | 25.49 | 25.61 | |
| 12/24/09 | 25.76 | 25.77 | 25.78 | 25.77 | 25.77 | 25.78 | 25.79 | 25.82 | 25.83 | 25.83 | 25.82 | 25.81 | 25.80 | 25.78 | 25.78 | 25.79 | 25.78 | 25.79 | 25.80 | 25.82 | 25.82 | 25.81 | 25.80 | 25.83 | 25.76 | 25.80 | |
| 12/25/09 | 25.79 | 25.78 | 25.76 | 25.76 | 25.75 | 25.74 | 25.74 | 25.75 | 25.75 | 25.76 | 25.77 | 25.73 | 25.70 | 25.68 | 25.68 | 25.68 | 25.68 | 25.68 | 25.70 | 25.71 | 25.72 | 25.73 | 25.79 | 25.68 | 25.73 | | |
| 12/26/09 | 25.73 | 25.73 | 25.74 | 25.73 | 25.74 | 25.74 | 25.75 | 25.77 | 25.78 | 25.79 | 25.82 | 25.83 | 25.81 | 25.80 | 25.79 | 25.78 | 25.79 | 25.79 | 25.80 | 25.80 | 25.82 | 25.83 | 25.84 | 25.84 | 25.73 | 25.79 | |
| 12/27/09 | 25.87 | 25.85 | 25.85 | 25.86 | 25.86 | 25.85 | 25.86 | 25.86 | 25.88 | 25.90 | 25.90 | 25.90 | 25.88 | 25.86 | 25.85 | 25.84 | 25.85 | 25.86 | 25.87 | 25.89 | 25.90 | 25.89 | 25.88 | 25.90 | 25.84 | 25.87 | |
| 12/28/09 | 25.87 | 25.87 | 25.87 | 25.86 | 25.87 | 25.86 | 25.85 | 25.86 | 25.86 | 25.85 | 25.87 | 25.84 | 25.82 | 25.79 | 25.78 | 25.76 | 25.77 | 25.76 | 25.74 | 25.75 | 25.76 | 25.77 | 25.78 | 25.87 | 25.74 | 25.82 | |
| 12/29/09 | 25.76 | 25.75 | 25.75 | 25.74 | 25.75 | 25.75 | 25.76 | 25.79 | 25.80 | 25.81 | 25.82 | 25.83 | 25.81 | 25.79 | 25.79 | 25.79 | 25.79 | 25.80 | 25.81 | 25.82 | 25.83 | 25.86 | 25.87 | 25.87 | 25.74 | 25.80 | |
| 12/30/09 | 25.87 | 25.88 | 25.88 | 25.88 | 25.90 | 25.88 | 25.88 | 25.89 | 25.90 | 25.91 | 25.92 | 25.92 | 25.90 | 25.86 | 25.84 | 25.83 | 25.82 | 25.82 | 25.81 | 25.81 | 25.84 | 25.85 | 25.86 | 25.92 | 25.80 | 25.87 | |
| 12/31/09 | 25.88 | 25.89 | 25.90 | 25.91 | 25.93 | 25.95 | 25.96 | 25.97 | 25.99 | 26.02 | 26.04 | 26.03 | 26.00 | 25.99 | 25.99 | 26.00 | 26.00 | 26.00 | 26.02 | 26.03 | 26.04 | 26.05 | 26.05 | 25.88 | 25.98 | | |

Hourly Averages
 25.77 25.76 25.77 25.77 25.76 25.77 25.78 25.79 25.80 25.81 25.81 25.79 25.76 25.75 25.75 25.75 25.75 25.75 25.75 25.75 25.77 25.78 25.78 25.78 25.78 25.78 25.78

Maximum Hourly Pressure: 26.05 **Minimum Hourly Pressure:** 25.31

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
OCTOBER 2009

SOLAR RADIATION (W/m²)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|-----|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----|-----|-----|-----|-----|-----|-------|------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 10/01/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33.1 | 225.4 | 430.1 | 605.1 | 728.7 | 793.7 | 802.0 | 749.8 | 644.6 | 490.0 | 300.1 | 81.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 802.0 | 33.1 | 490.3 |
| 10/02/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30.9 | 218.8 | 412.2 | 587.3 | 716.5 | 782.1 | 790.5 | 736.4 | 634.0 | 473.0 | 289.6 | 53.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 790.5 | 30.9 | 477.0 |
| 10/03/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.0 | 165.4 | 405.1 | 609.7 | 688.2 | 760.2 | 771.8 | 718.1 | 612.0 | 458.0 | 274.2 | 69.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 771.8 | 10.0 | 461.9 |
| 10/04/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.3 | 83.6 | 271.2 | 450.9 | 505.6 | 588.7 | 569.7 | 581.4 | 533.7 | 438.0 | 247.2 | 54.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 588.7 | 6.3 | 360.9 |
| 10/05/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.1 | 200.7 | 404.3 | 287.8 | 408.5 | 519.6 | 311.0 | 443.0 | 581.2 | 435.5 | 258.8 | 60.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 581.2 | 27.1 | 328.1 |
| 10/06/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.4 | 111.0 | 276.6 | 464.4 | 442.3 | 632.8 | 655.8 | 498.0 | 597.1 | 446.7 | 255.0 | 53.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 655.8 | 15.4 | 370.7 |
| 10/07/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.6 | 143.3 | 258.4 | 453.0 | 469.2 | 350.9 | 420.4 | 494.4 | 249.5 | 236.0 | 159.6 | 57.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 494.4 | 10.6 | 275.2 |
| 10/08/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.3 | 170.7 | 352.7 | 501.2 | 618.6 | 629.9 | 679.1 | 648.2 | 552.0 | 408.9 | 240.0 | 48.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 679.1 | 10.3 | 405.0 |
| 10/09/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21.9 | 181.0 | 354.8 | 506.8 | 624.3 | 689.7 | 698.0 | 649.3 | 548.7 | 407.0 | 239.1 | 44.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 698.0 | 21.9 | 413.7 |
| 10/10/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.2 | 186.4 | 317.0 | 482.4 | 619.2 | 690.2 | 699.4 | 400.6 | 389.6 | 249.0 | 113.5 | 42.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 699.4 | 20.2 | 350.8 |
| 10/11/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.9 | 157.6 | 339.2 | 488.1 | 603.9 | 668.6 | 674.2 | 466.4 | 533.4 | 388.5 | 218.9 | 37.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 674.2 | 13.9 | 382.5 |
| 10/12/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.4 | 169.4 | 338.7 | 496.4 | 608.7 | 672.8 | 665.9 | 631.1 | 531.4 | 323.2 | 156.9 | 34.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 672.8 | 20.4 | 387.5 |
| 10/13/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.5 | 143.2 | 292.3 | 527.7 | 541.3 | 672.2 | 666.1 | 614.4 | 455.1 | 339.2 | 211.2 | 39.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 672.2 | 11.5 | 376.1 |
| 10/14/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.7 | 164.9 | 327.3 | 475.3 | 587.7 | 648.4 | 655.1 | 608.2 | 511.3 | 374.3 | 211.7 | 32.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 655.1 | 16.7 | 384.5 |
| 10/15/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.9 | 161.9 | 323.2 | 469.1 | 579.5 | 641.9 | 650.7 | 605.0 | 505.2 | 366.8 | 205.0 | 29.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 650.7 | 15.9 | 379.5 |
| 10/16/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.8 | 158.7 | 322.4 | 469.6 | 581.5 | 644.8 | 651.9 | 605.4 | 503.5 | 363.9 | 202.9 | 28.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 651.9 | 14.8 | 379.0 |
| 10/17/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.7 | 155.0 | 317.9 | 465.4 | 575.2 | 635.0 | 644.3 | 599.4 | 498.9 | 356.2 | 171.7 | 27.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 644.3 | 13.7 | 371.7 |
| 10/18/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.7 | 144.7 | 306.3 | 452.9 | 564.7 | 626.0 | 636.4 | 588.5 | 489.6 | 280.1 | 165.2 | 10.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 636.4 | 10.9 | 356.4 |
| 10/19/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.8 | 146.3 | 306.6 | 462.4 | 566.3 | 637.5 | 637.6 | 589.7 | 488.3 | 350.6 | 193.4 | 22.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 637.6 | 6.8 | 367.3 |
| 10/20/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.3 | 52.1 | 61.7 | 135.0 | 284.6 | 310.5 | 311.4 | 504.4 | 492.4 | 351.0 | 181.4 | 24.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 504.4 | 6.3 | 226.2 |
| 10/21/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.5 | 150.0 | 312.6 | 455.2 | 566.3 | 633.6 | 642.0 | 592.8 | 488.4 | 349.6 | 178.8 | 19.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 642.0 | 10.5 | 366.6 |
| 10/22/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.6 | 146.7 | 310.1 | 456.4 | 569.2 | 631.7 | 640.1 | 594.6 | 514.8 | 320.6 | 159.8 | 18.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 640.1 | 9.6 | 364.3 |
| 10/23/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.6 | 149.7 | 316.7 | 464.6 | 576.7 | 634.9 | 642.4 | 591.0 | 490.5 | 342.8 | 169.0 | 12.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 642.4 | 9.6 | 366.7 |
| 10/24/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5 | 135.3 | 307.6 | 451.4 | 563.0 | 624.4 | 631.6 | 584.0 | 481.0 | 342.4 | 154.7 | 14.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 631.6 | 12.5 | 358.5 |
| 10/25/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 136.0 | 290.6 | 383.4 | 532.1 | 626.1 | 629.8 | 581.8 | 479.9 | 337.4 | 144.3 | 12.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 629.8 | 7.9 | 346.8 |
| 10/26/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.6 | 156.7 | 332.0 | 484.4 | 598.6 | 661.8 | 661.3 | 608.1 | 499.6 | 341.8 | 138.4 | 15.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 661.8 | 8.6 | 375.6 |
| 10/27/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 116.0 | 315.6 | 358.6 | 446.9 | 466.2 | 599.8 | 491.8 | 372.5 | 171.7 | 100.5 | 10.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 599.8 | 5.7 | 288.0 |
| 10/28/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 128.5 | 314.2 | 471.3 | 579.7 | 624.5 | 654.6 | 533.7 | 274.4 | 171.0 | 99.8 | 13.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 654.6 | 3.7 | 322.4 |
| 10/29/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 120.5 | 300.5 | 457.9 | 578.1 | 648.8 | 657.9 | 618.4 | 506.6 | 375.5 | 162.6 | 10.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 657.9 | 4.3 | 370.1 |
| 10/30/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 134.5 | 303.2 | 445.6 | 550.3 | 595.5 | 605.2 | 574.7 | 449.8 | 297.8 | 113.2 | 12.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 605.2 | 5.0 | 340.6 |
| 10/31/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 134.0 | 305.5 | 458.1 | 572.0 | 630.2 | 631.9 | 579.1 | 472.6 | 331.3 | 139.6 | 6.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 631.9 | 5.2 | 355.5 |

Hourly Averages 0.0 0.0 0.0 0.0 0.0 12.9 149.9 317.0 460.6 562.8 624.9 631.9 583.3 496.2 352.2 188.9 32.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0
Maximum Hourly Radiation: 802.0 **Minimum Hourly Radiation:** 3.7 **Average Monthly Radiation:** 367.7
Maximum 24-Hour Mean: 490.3 **Minimum 24-Hour Mean:** 226.2
Total Number of Observations: 744 **Possible Number of Observations:** 744 INV = Invalid Data ND = No Data Collection
Note: All Statistics Based on Daylight Hours

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE
NOVEMBER 2009

SOLAR RADIATION (W/m²)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-------|-----|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 11/01/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.8 | 130.1 | 298.7 | 446.1 | 551.1 | 609.8 | 613.6 | 564.0 | 462.7 | 324.6 | 137.4 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 613.6 | 4.8 | 345.7 |
| 11/02/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 127.7 | 293.9 | 439.1 | 548.1 | 606.0 | 612.0 | 565.1 | 462.2 | 323.3 | 138.1 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 612.0 | 4.3 | 343.8 |
| 11/03/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 122.8 | 291.5 | 438.4 | 550.0 | 608.8 | 612.6 | 563.5 | 460.5 | 318.1 | 136.7 | 6.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 612.6 | 3.8 | 342.7 |
| 11/04/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 121.7 | 288.9 | 432.4 | 541.5 | 600.7 | 520.2 | 368.0 | 353.2 | 152.5 | 65.2 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 600.7 | 3.3 | 287.7 |
| 11/05/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 97.1 | 210.9 | 426.6 | 532.2 | 534.2 | 585.8 | 538.0 | 439.1 | 302.0 | 124.4 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 585.8 | 1.9 | 316.5 |
| 11/06/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 114.1 | 286.8 | 439.9 | 545.0 | 493.9 | 270.1 | 160.8 | 137.4 | 102.1 | 48.3 | 6.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 545.0 | 3.1 | 217.3 |
| 11/07/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 79.2 | 269.6 | 408.4 | 525.7 | 570.1 | 566.1 | 521.0 | 438.5 | 305.5 | 113.2 | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 570.1 | 1.5 | 317.0 |
| 11/08/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 100.1 | 249.4 | 382.9 | 506.4 | 577.4 | 569.5 | 535.9 | 430.7 | 293.5 | 113.6 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 577.4 | 2.2 | 313.9 |
| 11/09/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 101.2 | 267.7 | 408.3 | 516.5 | 574.5 | 561.8 | 524.7 | 328.0 | 205.6 | 85.4 | 6.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 574.5 | 1.9 | 298.5 |
| 11/10/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 93.8 | 236.7 | 366.4 | 515.6 | 570.7 | 576.1 | 524.9 | 426.1 | 288.5 | 105.8 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 576.1 | 2.9 | 309.3 |
| 11/11/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 59.7 | 238.2 | 344.4 | 222.6 | 305.0 | 475.6 | 437.2 | 388.7 | 166.8 | 76.0 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 475.6 | 1.6 | 226.7 |
| 11/12/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 61.3 | 163.6 | 296.9 | 309.0 | 300.6 | 253.5 | 186.8 | 138.2 | 85.0 | 31.6 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 309.0 | 0.5 | 152.4 |
| 11/13/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.1 | 17.3 | 34.6 | 64.7 | 63.3 | 162.2 | 102.0 | 83.8 | 37.2 | 28.4 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 162.2 | 0.1 | 49.8 |
| 11/14/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 31.9 | 99.0 | 151.6 | 306.5 | 168.3 | 424.7 | 387.2 | 89.0 | 106.9 | 97.0 | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 424.7 | 1.2 | 155.7 |
| 11/15/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 86.7 | 258.2 | 409.7 | 516.3 | 582.5 | 592.5 | 546.5 | 444.7 | 304.3 | 107.2 | 4.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 592.5 | 1.3 | 321.2 |
| 11/16/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 88.9 | 266.6 | 419.4 | 533.9 | 596.5 | 602.7 | 551.8 | 446.1 | 304.5 | 105.3 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 602.7 | 0.9 | 326.7 |
| 11/17/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 85.6 | 261.1 | 412.4 | 526.9 | 589.5 | 595.2 | 545.9 | 442.7 | 301.8 | 102.0 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 595.2 | 0.8 | 322.3 |
| 11/18/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 78.6 | 252.0 | 398.1 | 446.3 | 565.8 | 502.1 | 381.7 | 430.4 | 283.2 | 97.7 | 3.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 565.8 | 0.7 | 286.7 |
| 11/19/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 72.7 | 239.8 | 385.4 | 495.4 | 557.9 | 567.6 | 521.8 | 421.6 | 285.5 | 91.9 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 567.6 | 0.7 | 303.7 |
| 11/20/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 75.0 | 246.5 | 392.6 | 503.4 | 565.4 | 574.7 | 524.5 | 423.4 | 287.6 | 90.2 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 574.7 | 0.6 | 307.3 |
| 11/21/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 65.9 | 238.9 | 386.3 | 496.6 | 558.0 | 568.3 | 521.4 | 417.5 | 285.5 | 86.5 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 568.3 | 0.8 | 302.5 |
| 11/22/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 73.2 | 223.1 | 377.8 | 499.9 | 564.5 | 571.8 | 524.5 | 420.7 | 286.8 | 82.9 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 571.8 | 0.7 | 302.4 |
| 11/23/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 66.5 | 227.1 | 381.4 | 489.5 | 560.4 | 564.9 | 518.9 | 418.8 | 281.8 | 76.5 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 564.9 | 0.4 | 299.1 |
| 11/24/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 66.3 | 238.5 | 386.8 | 500.4 | 563.9 | 572.1 | 525.2 | 424.0 | 287.0 | 76.3 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 572.1 | 0.4 | 303.7 |
| 11/25/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 64.4 | 236.8 | 386.6 | 500.8 | 564.7 | 574.0 | 527.7 | 426.1 | 288.3 | 81.2 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 574.0 | 0.4 | 304.5 |
| 11/26/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 59.4 | 230.0 | 381.4 | 494.6 | 555.5 | 521.5 | 511.3 | 410.4 | 262.6 | 68.8 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 555.5 | 0.2 | 291.7 |
| 11/27/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 51.5 | 212.8 | 357.4 | 466.1 | 525.4 | 535.0 | 490.3 | 395.5 | 266.4 | 79.7 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 535.0 | 0.2 | 281.9 |
| 11/28/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 12.6 | 62.2 | 193.9 | 412.5 | 229.9 | 503.0 | 503.5 | 379.4 | 253.9 | 68.5 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 503.5 | 0.2 | 218.5 |
| 11/29/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 17.6 | 125.0 | 265.8 | 217.7 | 552.8 | 302.8 | 34.2 | 196.2 | 277.7 | 70.1 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 552.8 | 0.1 | 171.9 |
| 11/30/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.3 | 142.4 | 260.8 | 244.2 | 559.1 | 216.5 | 426.7 | 419.2 | 242.4 | 65.4 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 559.1 | 0.0 | 216.7 |

Hourly Averages

0.0 0.0 0.0 0.0 0.0 0.0 1.4 74.3 222.4 360.4 452.6 509.2 505.6 454.5 371.8 250.4 88.4 4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Maximum Hourly Radiation: 613.6 **Minimum Hourly Radiation:** 0.0 **Average Monthly Radiation:** 274.6

Maximum 24-Hour Mean: 345.7

Minimum 24-Hour Mean: 49.8

Total Number of Observations: 720

Possible Number of Observations: 720

INV = Invalid Data

ND = No Data Collection

Note: All Statistics Based on Daylight Hours

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE
DECEMBER 2009
SOLAR RADIATION (W/m²)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|-----|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-------|-----|-------|-----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 12/01/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 48.7 | 218.7 | 366.1 | 483.3 | 552.1 | 563.8 | 518.6 | 420.4 | 282.9 | 88.8 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 563.8 | 2.7 | 322.4 | |
| 12/02/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40.2 | 224.7 | 312.5 | 457.2 | 518.8 | 554.2 | 516.7 | 413.5 | 277.8 | 91.3 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 554.2 | 3.5 | 310.0 | |
| 12/03/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 43.4 | 161.3 | 305.9 | 458.0 | 547.2 | 497.6 | 505.2 | 402.3 | 276.5 | 90.8 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 547.2 | 3.6 | 299.3 | |
| 12/04/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 48.4 | 227.6 | 384.3 | 507.4 | 577.5 | 589.4 | 541.6 | 437.3 | 294.8 | 98.1 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 589.4 | 2.6 | 337.2 | |
| 12/05/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.1 | 194.5 | 321.1 | 433.9 | 536.2 | 412.0 | 277.8 | 212.1 | 118.8 | 30.1 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 536.2 | 1.8 | 232.9 | |
| 12/06/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 27.4 | 77.0 | 126.6 | 161.9 | 199.3 | 217.5 | 178.5 | 82.6 | 48.4 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 217.5 | 2.9 | 102.6 | |
| 12/07/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 12.7 | 36.0 | 69.7 | 41.7 | 32.0 | 11.7 | 11.9 | 4.7 | 2.3 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 69.7 | 0.4 | 20.4 | |
| 12/08/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.2 | 218.3 | 374.3 | 474.8 | 567.3 | 561.9 | 572.1 | 435.1 | 291.0 | 103.1 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 572.1 | 3.2 | 330.7 | |
| 12/09/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.7 | 92.6 | 184.9 | 458.6 | 493.4 | 558.2 | 520.7 | 416.8 | 281.8 | 100.5 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 558.2 | 3.4 | 284.2 | |
| 12/10/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45.1 | 222.3 | 293.6 | 466.5 | 391.4 | 570.5 | 327.5 | 115.4 | 143.0 | 72.4 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 570.5 | 3.2 | 241.0 | |
| 12/11/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29.1 | 185.0 | 321.1 | 346.2 | 502.6 | 529.8 | 487.3 | 398.6 | 266.3 | 94.7 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 529.8 | 2.7 | 287.6 | |
| 12/12/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.4 | 54.2 | 191.6 | 226.8 | 299.8 | 342.7 | 320.5 | 225.5 | 270.0 | 38.0 | 3.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 342.7 | 3.9 | 180.3 | |
| 12/13/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.1 | 153.2 | 328.9 | 410.6 | 320.9 | 249.4 | 95.9 | 66.4 | 75.1 | 9.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 410.6 | 0.6 | 157.6 | |
| 12/14/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 74.8 | 197.1 | 240.9 | 511.3 | 511.0 | 376.9 | 363.9 | 271.8 | 98.5 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 511.3 | 3.6 | 241.3 | |
| 12/15/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28.6 | 190.3 | 342.5 | 461.8 | 534.2 | 552.8 | 512.3 | 419.2 | 270.4 | 107.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 552.8 | 2.9 | 311.1 | |
| 12/16/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21.3 | 165.1 | 383.3 | 334.6 | 355.7 | 394.5 | 410.8 | 382.0 | 265.0 | 98.3 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 410.8 | 2.9 | 255.8 | |
| 12/17/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25.4 | 180.8 | 331.1 | 448.8 | 520.5 | 537.3 | 500.4 | 409.7 | 279.1 | 108.8 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 537.3 | 3.4 | 304.1 | |
| 12/18/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21.8 | 169.6 | 311.5 | 447.3 | 517.9 | 534.5 | 495.9 | 404.1 | 242.2 | 94.1 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 534.5 | 3.5 | 294.8 | |
| 12/19/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.5 | 173.9 | 326.3 | 446.6 | 519.1 | 536.1 | 494.3 | 354.3 | 231.2 | 108.6 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 536.1 | 3.0 | 292.3 | |
| 12/20/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25.7 | 166.9 | 319.7 | 450.6 | 510.1 | 484.4 | 342.6 | 244.8 | 139.4 | 51.9 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 510.1 | 2.8 | 249.0 | |
| 12/21/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.4 | 101.0 | 271.8 | 263.8 | 359.8 | 296.2 | 162.5 | 155.3 | 84.5 | 32.9 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 359.8 | 2.1 | 158.1 | |
| 12/22/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 24.0 | 95.1 | 126.7 | 141.2 | 197.8 | 139.2 | 63.0 | 3.1 | 4.4 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 197.8 | 0.7 | 72.6 | |
| 12/23/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.9 | 118.8 | 260.5 | 158.0 | 195.8 | 335.3 | 426.7 | 440.9 | 237.1 | 76.3 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 440.9 | 5.3 | 206.1 | |
| 12/24/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.0 | 175.8 | 334.5 | 460.7 | 538.2 | 558.6 | 524.5 | 432.3 | 296.3 | 122.4 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 558.6 | 3.6 | 315.4 | |
| 12/25/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21.9 | 192.3 | 344.1 | 462.8 | 537.5 | 559.3 | 525.2 | 433.9 | 301.0 | 124.9 | 5.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 559.3 | 5.4 | 318.9 | |
| 12/26/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.3 | 179.0 | 340.1 | 466.6 | 541.8 | 557.3 | 508.5 | 448.2 | 300.6 | 75.6 | 6.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 557.3 | 6.5 | 313.1 | |
| 12/27/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19.6 | 174.3 | 333.9 | 459.6 | 536.9 | 560.2 | 527.0 | 437.6 | 304.8 | 128.6 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 560.2 | 3.2 | 316.9 | |
| 12/28/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 39.6 | 99.2 | 149.2 | 169.2 | 177.3 | 188.0 | 143.8 | 64.8 | 34.2 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 188.0 | 2.8 | 97.4 | |
| 12/29/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 33.2 | 170.4 | 132.1 | 313.3 | 478.4 | 345.7 | 192.4 | 170.3 | 51.1 | 3.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 478.4 | 3.2 | 172.2 | |
| 12/30/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.5 | 145.9 | 297.3 | 419.2 | 361.6 | 373.1 | 275.3 | 155.5 | 76.5 | 38.7 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 419.2 | 2.3 | 196.7 | |
| 12/31/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.9 | 172.1 | 334.1 | 461.0 | 544.0 | 567.3 | 537.3 | 448.9 | 315.6 | 139.1 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 567.3 | 5.0 | 322.0 | |

Hourly Averages

0.0 0.0 0.0 0.0 0.0 0.0 21.7 144.2 277.1 364.8 426.4 447.5 393.7 311.7 210.3 76.2 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Maximum Hourly Radiation: 589.4

Minimum Hourly Radiation: 0.4

Average Monthly Radiation: 243.4

Maximum 24-Hour Mean: 337.2

Minimum 24-Hour Mean: 20.4

Total Number of Observations: 744

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

Note: All Statistics Based on Daylight Hours

APPENDIX KC1-H

HOURLY EVAPORATION DATA

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

OCTOBER 2009

EVAPORATION (inches)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Total Evaporation |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | |
| 10/01/09 | 0.003 | 0.003 | 0.005 | 0.002 | 0.005 | 0.005 | 0.008 | 0.006 | 0.008 | 0.008 | 0.010 | 0.011 | 0.010 | 0.015 | 0.018 | 0.028 | 0.023 | 0.028 | 0.020 | 0.018 | 0.010 | 0.008 | 0.005 | 0.008 | 0.265 |
| 10/02/09 | 0.005 | 0.002 | 0.005 | 0.005 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 0.008 | 0.010 | 0.013 | 0.018 | 0.020 | 0.023 | 0.023 | 0.023 | 0.020 | 0.015 | 0.015 | 0.018 | 0.010 | 0.005 | 0.005 | 0.255 |
| 10/03/09 | 0.008 | 0.007 | 0.007 | 0.005 | 0.008 | 0.005 | 0.005 | 0.008 | 0.000 | 0.000 | 0.005 | 0.008 | 0.013 | 0.023 | 0.018 | 0.018 | 0.020 | 0.025 | 0.015 | 0.013 | 0.005 | 0.005 | 0.003 | 0.003 | 0.237 |
| 10/04/09 | 0.005 | 0.005 | 0.003 | 0.033 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.003 | 0.005 | 0.010 | 0.015 | 0.020 | 0.026 | 0.020 | 0.023 | 0.023 | 0.018 | 0.018 | 0.010 | 0.010 | 0.008 | 0.008 | 0.255 |
| 10/05/09 | 0.008 | 0.008 | 0.005 | 0.003 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.003 | 0.010 | 0.005 | 0.010 | 0.013 | 0.015 | 0.015 | 0.015 | 0.015 | 0.010 | 0.013 | 0.005 | 0.005 | 0.002 | 0.002 | 0.154 |
| 10/06/09 | 0.002 | 0.003 | 0.003 | 0.005 | 0.003 | 0.000 | 0.002 | 0.003 | 0.000 | 0.000 | 0.003 | 0.008 | 0.015 | INV | 0.071 | 0.061 | 0.053 | 0.048 | 0.041 | 0.038 | 0.038 | 0.043 | 0.041 | 0.481 | |
| 10/07/09 | 0.033 | 0.033 | 0.036 | 0.049 | 0.003 | 0.003 | 0.005 | 0.005 | 0.005 | 0.006 | 0.010 | 0.003 | 0.005 | 0.008 | 0.010 | 0.010 | 0.013 | 0.010 | 0.010 | 0.010 | 0.005 | 0.005 | 0.003 | 0.003 | 0.293 |
| 10/08/09 | 0.002 | 0.003 | 0.003 | 0.003 | 0.005 | 0.003 | 0.000 | 0.000 | 0.003 | 0.003 | 0.003 | 0.008 | 0.010 | 0.013 | 0.028 | 0.015 | 0.020 | 0.015 | 0.013 | 0.010 | 0.008 | 0.008 | 0.008 | 0.005 | 0.189 |
| 10/09/09 | 0.004 | 0.003 | 0.005 | 0.002 | 0.002 | 0.003 | 0.000 | 0.003 | 0.001 | 0.003 | 0.005 | 0.011 | 0.011 | 0.013 | 0.018 | 0.020 | 0.020 | 0.037 | 0.017 | 0.015 | 0.008 | 0.008 | 0.005 | 0.005 | 0.219 |
| 10/10/09 | 0.002 | 0.002 | 0.002 | 0.005 | 0.003 | 0.003 | 0.005 | 0.003 | 0.003 | 0.003 | 0.010 | 0.010 | 0.015 | 0.018 | 0.020 | 0.020 | 0.020 | 0.025 | 0.015 | 0.015 | 0.008 | 0.013 | 0.003 | 0.003 | 0.209 |
| 10/11/09 | 0.003 | 0.003 | 0.005 | 0.003 | 0.002 | 0.002 | 0.003 | 0.001 | 0.003 | 0.005 | 0.006 | 0.010 | 0.015 | 0.015 | 0.020 | 0.026 | 0.030 | 0.012 | 0.007 | 0.008 | 0.013 | 0.005 | 0.003 | 0.003 | 0.203 |
| 10/12/09 | 0.005 | 0.005 | 0.003 | 0.005 | 0.002 | 0.002 | 0.003 | 0.000 | 0.003 | 0.003 | 0.011 | 0.010 | 0.013 | 0.020 | 0.023 | 0.023 | 0.015 | 0.012 | 0.015 | 0.010 | 0.010 | 0.008 | 0.008 | 0.008 | 0.212 |
| 10/13/09 | 0.010 | 0.008 | 0.005 | 0.003 | 0.005 | 0.003 | 0.005 | 0.003 | 0.000 | 0.003 | 0.003 | 0.010 | 0.015 | 0.018 | 0.023 | 0.020 | 0.015 | 0.017 | 0.013 | 0.008 | 0.005 | 0.003 | 0.003 | 0.201 | |
| 10/14/09 | 0.005 | 0.003 | 0.003 | 0.003 | 0.002 | 0.002 | 0.000 | 0.006 | 0.000 | 0.001 | 0.006 | 0.005 | 0.008 | 0.013 | 0.015 | 0.018 | 0.023 | 0.035 | 0.015 | 0.012 | 0.013 | 0.008 | 0.005 | 0.005 | 0.206 |
| 10/15/09 | 0.005 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.005 | 0.013 | 0.018 | 0.023 | 0.020 | 0.038 | 0.036 | 0.017 | 0.018 | 0.008 | 0.005 | 0.008 | 0.005 | 0.005 | 0.249 | |
| 10/16/09 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.021 | 0.003 | 0.003 | 0.010 | 0.026 | 0.008 | 0.015 | 0.018 | 0.023 | 0.023 | 0.015 | 0.010 | 0.010 | 0.013 | 0.015 | 0.013 | 0.013 | 0.284 | |
| 10/17/09 | 0.010 | 0.008 | 0.036 | 0.008 | 0.010 | 0.010 | 0.013 | 0.008 | 0.008 | 0.010 | 0.010 | 0.015 | 0.018 | 0.020 | 0.020 | 0.018 | 0.023 | 0.020 | 0.018 | 0.018 | 0.013 | 0.013 | 0.010 | 0.013 | 0.350 |
| 10/18/09 | 0.008 | 0.008 | 0.012 | 0.008 | 0.008 | 0.010 | 0.016 | 0.000 | 0.003 | 0.003 | 0.005 | 0.015 | 0.015 | 0.023 | 0.026 | 0.015 | 0.015 | 0.008 | 0.015 | 0.005 | 0.008 | 0.005 | 0.005 | 0.254 | |
| 10/19/09 | 0.008 | 0.005 | 0.008 | 0.008 | 0.005 | 0.020 | 0.002 | 0.000 | 0.000 | 0.003 | 0.008 | 0.015 | 0.026 | 0.023 | 0.041 | 0.031 | 0.015 | 0.018 | 0.015 | 0.013 | 0.015 | 0.010 | 0.005 | 0.005 | 0.294 |
| 10/20/09 | 0.010 | 0.015 | 0.005 | 0.005 | 0.003 | 0.008 | 0.005 | 0.003 | 0.003 | 0.003 | 0.005 | 0.005 | 0.008 | 0.013 | 0.018 | 0.010 | 0.012 | 0.013 | 0.008 | 0.008 | 0.005 | 0.005 | 0.005 | 0.178 | |
| 10/21/09 | 0.005 | 0.003 | 0.002 | 0.003 | 0.003 | 0.000 | 0.008 | 0.000 | 0.000 | 0.000 | 0.005 | 0.005 | 0.010 | 0.015 | 0.015 | 0.018 | 0.020 | 0.015 | 0.013 | 0.013 | 0.003 | 0.003 | 0.005 | 0.177 | |
| 10/22/09 | 0.002 | 0.000 | 0.003 | 0.003 | 0.000 | 0.000 | 0.003 | 0.003 | 0.000 | 0.010 | 0.000 | 0.008 | 0.010 | 0.015 | 0.018 | 0.020 | 0.023 | 0.020 | 0.010 | 0.005 | 0.010 | 0.005 | 0.003 | 0.171 | |
| 10/23/09 | 0.008 | 0.005 | 0.008 | 0.003 | 0.005 | 0.008 | 0.005 | 0.003 | 0.008 | 0.008 | 0.008 | 0.013 | 0.010 | 0.018 | 0.018 | 0.018 | 0.018 | 0.018 | 0.013 | 0.010 | 0.003 | 0.005 | 0.005 | 0.231 | |
| 10/24/09 | 0.003 | 0.008 | 0.003 | 0.008 | 0.005 | 0.000 | 0.003 | 0.000 | 0.005 | 0.000 | 0.005 | 0.003 | 0.010 | 0.026 | 0.018 | 0.018 | 0.020 | 0.015 | 0.013 | 0.010 | 0.013 | 0.005 | 0.005 | 0.206 | |
| 10/25/09 | 0.005 | 0.003 | 0.005 | 0.003 | 0.003 | 0.002 | 0.003 | 0.000 | 0.000 | 0.005 | 0.005 | 0.013 | 0.013 | 0.018 | 0.026 | 0.028 | 0.013 | 0.013 | 0.010 | 0.026 | 0.010 | 0.010 | 0.005 | 0.005 | 0.222 |
| 10/26/09 | 0.008 | 0.010 | 0.015 | 0.008 | 0.013 | 0.013 | 0.008 | 0.010 | 0.010 | 0.008 | 0.013 | 0.015 | 0.015 | 0.023 | 0.015 | 0.015 | 0.036 | 0.000 | 0.005 | 0.003 | 0.005 | 0.003 | 0.003 | 0.266 | |
| 10/27/09 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.000 | 0.005 | 0.003 | 0.008 | 0.010 | 0.020 | INV | INV | 0.041 | 0.020 | 0.015 | 0.017 | 0.028 | 0.010 | 0.013 | 0.018 | 0.023 | 0.232 | |
| 10/28/09 | 0.010 | 0.010 | 0.010 | 0.005 | 0.007 | 0.007 | 0.002 | 0.005 | 0.003 | 0.013 | 0.008 | 0.010 | 0.013 | 0.008 | 0.010 | 0.008 | 0.010 | 0.007 | 0.005 | 0.008 | 0.002 | 0.003 | 0.002 | 0.171 | |
| 10/29/09 | 0.000 | 0.002 | INV | 0.000 | 0.000 | 0.000 | 0.003 | 0.004 | 0.001 | 0.005 | 0.006 | 0.003 | 0.008 | 0.008 | 0.013 | 0.007 | 0.007 | 0.005 | 0.007 | 0.005 | 0.003 | 0.005 | 0.000 | 0.092 | |
| 10/30/09 | 0.002 | 0.003 | INV | 0.000 | 0.003 | 0.000 | 0.003 | 0.003 | 0.001 | 0.006 | 0.005 | 0.008 | 0.008 | 0.013 | 0.023 | 0.004 | 0.013 | 0.010 | 0.003 | 0.003 | 0.005 | 0.003 | 0.005 | 0.125 | |
| 10/31/09 | 0.005 | 0.003 | 0.005 | 0.003 | 0.005 | 0.005 | 0.003 | 0.008 | 0.006 | 0.033 | 0.015 | 0.008 | 0.016 | 0.013 | 0.010 | 0.012 | 0.020 | 0.008 | 0.015 | 0.005 | 0.005 | 0.005 | 0.005 | 0.231 | |

Total Evaporation for the month = 7.112

Total Number of Observations: 739

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

NOVEMBER 2009

EVAPORATION (inches)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Total Evaporation |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | |
| 11/01/09 | 0.005 | 0.005 | 0.007 | 0.005 | 0.008 | 0.005 | 0.010 | 0.008 | 0.026 | 0.003 | 0.005 | 0.004 | 0.006 | 0.008 | 0.010 | 0.015 | 0.020 | 0.017 | 0.025 | 0.008 | 0.005 | 0.005 | 0.002 | 0.217 | |
| 11/02/09 | 0.003 | 0.005 | 0.002 | 0.005 | 0.003 | 0.003 | 0.005 | 0.003 | 0.000 | 0.003 | 0.006 | 0.003 | 0.013 | 0.015 | 0.020 | 0.020 | 0.033 | 0.027 | 0.017 | 0.015 | 0.008 | 0.005 | 0.008 | 0.005 | 0.227 |
| 11/03/09 | 0.005 | 0.008 | 0.005 | 0.005 | 0.008 | 0.005 | 0.023 | 0.008 | 0.005 | 0.006 | 0.010 | 0.016 | 0.015 | 0.018 | 0.015 | INV | 0.003 | 0.012 | 0.012 | 0.010 | 0.008 | 0.008 | 0.008 | 0.010 | 0.223 |
| 11/04/09 | 0.005 | 0.010 | 0.008 | 0.005 | 0.008 | 0.008 | 0.008 | 0.005 | 0.024 | 0.003 | 0.011 | 0.010 | 0.015 | 0.010 | 0.015 | 0.015 | 0.015 | 0.012 | 0.007 | 0.007 | 0.010 | 0.008 | 0.005 | 0.005 | 0.224 |
| 11/05/09 | 0.005 | 0.008 | 0.008 | 0.008 | 0.005 | 0.010 | 0.008 | 0.013 | 0.008 | INV | INV | 0.005 | 0.005 | 0.008 | 0.010 | 0.010 | 0.015 | 0.017 | 0.015 | 0.007 | 0.008 | 0.005 | 0.005 | 0.008 | 0.191 |
| 11/06/09 | 0.005 | 0.005 | 0.005 | 0.003 | 0.003 | 0.005 | 0.005 | 0.003 | 0.003 | 0.006 | 0.003 | 0.013 | 0.015 | 0.015 | 0.010 | 0.012 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.151 |
| 11/07/09 | 0.000 | 0.003 | 0.003 | 0.005 | 0.000 | 0.005 | 0.007 | 0.003 | 0.000 | 0.001 | 0.006 | 0.008 | 0.010 | 0.013 | 0.015 | 0.026 | 0.009 | 0.010 | 0.008 | 0.008 | 0.005 | 0.003 | 0.005 | 0.005 | 0.166 |
| 11/08/09 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 0.000 | 0.003 | 0.003 | 0.003 | 0.006 | 0.003 | 0.010 | 0.010 | 0.015 | 0.032 | 0.004 | 0.008 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.003 | 0.139 |
| 11/09/09 | 0.003 | 0.005 | 0.000 | 0.005 | 0.003 | 0.003 | 0.003 | 0.001 | 0.003 | 0.003 | 0.003 | 0.008 | INV | 0.000 | 0.000 | 0.000 | 0.007 | 0.005 | 0.005 | 0.005 | 0.005 | 0.003 | 0.003 | 0.003 | 0.076 |
| 11/10/09 | 0.005 | 0.005 | 0.005 | 0.006 | 0.003 | 0.005 | 0.005 | 0.005 | 0.003 | 0.005 | 0.008 | 0.010 | 0.013 | 0.015 | 0.010 | 0.018 | 0.004 | 0.012 | 0.013 | 0.013 | 0.008 | 0.010 | 0.008 | 0.008 | 0.192 |
| 11/11/09 | 0.008 | 0.008 | 0.005 | 0.008 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.007 | 0.011 | 0.014 | 0.008 | 0.015 | 0.008 | 0.010 | 0.010 | 0.007 | 0.005 | 0.005 | 0.005 | 0.003 | 0.003 | 0.170 |
| 11/12/09 | 0.003 | 0.005 | 0.005 | 0.005 | 0.010 | 0.005 | 0.005 | 0.003 | 0.003 | 0.003 | 0.003 | 0.008 | 0.007 | 0.008 | 0.005 | 0.010 | 0.005 | 0.008 | 0.005 | 0.005 | 0.005 | 0.008 | 0.005 | 0.005 | 0.132 |
| 11/13/09 | 0.005 | 0.005 | 0.008 | 0.005 | 0.003 | 0.005 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | INV | 0.008 | 0.005 | 0.002 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.053 |
| 11/14/09 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.000 | 0.003 | 0.016 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.003 | 0.031 |
| 11/15/09 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.015 | 0.010 | 0.006 | 0.006 | 0.008 | 0.008 | 0.007 | 0.004 | 0.008 | 0.015 | 0.028 | 0.041 | 0.013 | 0.008 | 0.181 |
| 11/16/09 | 0.005 | 0.007 | 0.005 | 0.005 | 0.003 | 0.005 | 0.005 | 0.003 | 0.005 | 0.011 | 0.010 | 0.011 | 0.011 | INV | 0.020 | 0.010 | 0.010 | 0.009 | 0.008 | 0.010 | 0.008 | 0.010 | 0.008 | 0.007 | 0.186 |
| 11/17/09 | 0.010 | 0.005 | 0.008 | 0.005 | 0.010 | 0.008 | 0.013 | 0.008 | 0.009 | 0.005 | 0.011 | 0.005 | 0.010 | 0.013 | 0.015 | 0.013 | 0.015 | 0.013 | 0.009 | 0.010 | 0.010 | 0.005 | 0.005 | 0.005 | 0.220 |
| 11/18/09 | 0.005 | 0.003 | 0.005 | 0.008 | 0.005 | 0.005 | 0.005 | 0.005 | 0.006 | 0.009 | 0.005 | 0.005 | 0.003 | 0.005 | 0.005 | 0.011 | 0.008 | 0.012 | 0.008 | 0.007 | 0.003 | 0.005 | 0.005 | 0.003 | 0.136 |
| 11/19/09 | 0.000 | 0.003 | 0.000 | 0.003 | 0.003 | 0.003 | 0.003 | 0.001 | 0.003 | 0.010 | 0.003 | 0.005 | 0.005 | 0.005 | 0.008 | 0.010 | 0.026 | 0.010 | 0.020 | 0.009 | 0.005 | 0.002 | 0.002 | 0.003 | 0.140 |
| 11/20/09 | 0.003 | 0.003 | 0.013 | 0.003 | 0.002 | 0.003 | 0.003 | 0.003 | 0.006 | 0.003 | 0.005 | INV | 0.000 | 0.001 | 0.003 | 0.007 | 0.012 | 0.010 | 0.005 | 0.004 | 0.005 | 0.002 | 0.002 | 0.002 | 0.100 |
| 11/21/09 | 0.002 | 0.003 | 0.003 | 0.000 | 0.003 | 0.003 | 0.003 | 0.001 | 0.006 | 0.000 | 0.005 | 0.005 | 0.010 | 0.010 | 0.025 | 0.010 | 0.010 | 0.007 | 0.008 | 0.008 | 0.005 | 0.004 | 0.002 | 0.136 | |
| 11/22/09 | 0.003 | 0.005 | 0.000 | 0.003 | 0.003 | 0.002 | 0.002 | 0.000 | 0.006 | 0.006 | 0.006 | 0.000 | 0.005 | 0.005 | 0.008 | 0.012 | 0.020 | 0.002 | 0.005 | 0.003 | 0.003 | 0.003 | 0.003 | 0.114 | |
| 11/23/09 | 0.000 | 0.003 | 0.003 | 0.003 | 0.000 | 0.002 | 0.000 | 0.003 | 0.003 | 0.000 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.023 | 0.018 | 0.012 | 0.005 | 0.005 | 0.008 | 0.003 | 0.008 | 0.142 | |
| 11/24/09 | 0.007 | 0.008 | 0.010 | 0.013 | 0.010 | 0.005 | 0.010 | 0.010 | 0.003 | 0.008 | 0.008 | 0.011 | 0.010 | 0.010 | 0.013 | 0.013 | 0.010 | 0.009 | 0.010 | 0.008 | 0.013 | 0.008 | 0.007 | 0.221 | |
| 11/25/09 | 0.007 | 0.007 | 0.010 | 0.005 | 0.008 | 0.008 | 0.008 | 0.021 | 0.005 | 0.005 | 0.008 | 0.010 | 0.013 | 0.023 | 0.013 | 0.010 | 0.010 | 0.007 | 0.008 | 0.007 | 0.013 | 0.010 | 0.013 | 0.237 | |
| 11/26/09 | 0.007 | 0.008 | 0.005 | 0.008 | 0.005 | 0.010 | 0.010 | 0.008 | 0.008 | 0.003 | 0.010 | 0.008 | 0.005 | 0.013 | 0.018 | 0.015 | 0.015 | 0.013 | 0.010 | 0.007 | 0.008 | 0.008 | 0.015 | 0.225 | |
| 11/27/09 | 0.000 | 0.003 | 0.005 | 0.005 | 0.002 | 0.008 | 0.005 | 0.005 | 0.005 | 0.006 | 0.005 | 0.005 | 0.006 | 0.005 | 0.005 | 0.010 | 0.015 | 0.005 | 0.005 | 0.007 | 0.002 | 0.003 | 0.003 | 0.003 | 0.123 |
| 11/28/09 | 0.000 | 0.003 | 0.003 | 0.003 | 0.002 | 0.002 | 0.005 | 0.005 | 0.003 | 0.003 | 0.006 | 0.008 | 0.010 | 0.010 | 0.013 | 0.013 | 0.017 | 0.008 | 0.002 | 0.005 | 0.002 | 0.002 | 0.002 | 0.135 | |
| 11/29/09 | 0.005 | 0.000 | 0.000 | 0.003 | 0.003 | 0.000 | 0.003 | 0.001 | 0.003 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | INV | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.024 | |
| 11/30/09 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.003 | 0.008 | 0.003 | 0.005 | 0.010 | 0.005 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.053 | |

Total Evaporation for the month = 4.565

Total Number of Observations: 712

Possible Number of Observations: 720

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

DECEMBER 2009

EVAPORATION (inches)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Total Evaporation |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | |
| 12/01/09 | 0.000 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.001 | 0.003 | 0.000 | 0.008 | 0.003 | 0.005 | 0.013 | 0.008 | 0.015 | 0.012 | 0.002 | 0.008 | 0.000 | 0.003 | 0.002 | 0.000 | 0.085 | |
| 12/02/09 | 0.002 | 0.003 | 0.000 | 0.008 | 0.000 | 0.000 | 0.000 | 0.001 | 0.000 | 0.003 | 0.001 | 0.003 | 0.003 | 0.005 | 0.008 | 0.007 | 0.007 | 0.005 | 0.005 | 0.005 | 0.003 | 0.003 | 0.003 | 0.077 | |
| 12/03/09 | 0.003 | 0.002 | 0.000 | 0.003 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | 0.003 | 0.001 | 0.003 | 0.003 | 0.008 | 0.005 | 0.007 | 0.005 | 0.007 | 0.008 | 0.005 | 0.007 | 0.008 | 0.008 | 0.010 | 0.099 |
| 12/04/09 | 0.005 | 0.013 | 0.010 | 0.008 | 0.000 | INV | INV | INV | 0.139 | 0.021 | 0.005 | 0.003 | 0.005 | 0.005 | 0.003 | 0.003 | 0.004 | 0.002 | 0.002 | 0.005 | 0.002 | 0.002 | 0.003 | 0.017 | 0.257 |
| 12/05/09 | 0.018 | 0.010 | 0.008 | 0.005 | 0.003 | 0.000 | INV | INV | 0.000 | 0.001 | 0.001 | 0.003 | 0.001 | 0.003 | 0.003 | 0.002 | 0.002 | 0.003 | 0.003 | 0.002 | 0.003 | 0.005 | 0.000 | 0.002 | 0.078 |
| 12/06/09 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.018 |
| 12/07/09 | 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 |
| 12/08/09 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.003 | 0.001 | 0.000 | 0.003 | 0.005 | 0.003 | 0.005 | 0.000 | 0.002 | 0.002 | 0.000 | 0.001 | 0.002 | 0.000 | 0.000 | 0.034 | |
| 12/09/09 | 0.003 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | 0.002 | 0.001 | 0.000 | 0.003 | 0.003 | 0.003 | 0.005 | 0.005 | 0.005 | 0.002 | 0.002 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.044 | |
| 12/10/09 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | INV | 0.014 | 0.005 | 0.003 | 0.003 | 0.002 | 0.000 | 0.002 | 0.005 | 0.000 | 0.002 | 0.000 | 0.003 | 0.000 | 0.000 | 0.040 | |
| 12/11/09 | 0.000 | 0.003 | 0.003 | 0.003 | 0.000 | 0.000 | 0.002 | 0.000 | 0.001 | 0.001 | 0.000 | 0.001 | 0.003 | 0.000 | 0.005 | 0.004 | 0.004 | 0.008 | 0.002 | 0.003 | 0.003 | 0.000 | 0.003 | 0.054 | |
| 12/12/09 | 0.003 | 0.000 | 0.000 | 0.003 | 0.000 | 0.002 | 0.000 | 0.001 | 0.000 | 0.003 | 0.000 | 0.003 | 0.000 | 0.003 | 0.000 | 0.003 | 0.002 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | 0.031 | |
| 12/13/09 | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | 0.003 | 0.003 | 0.003 | 0.005 | 0.005 | 0.003 | 0.002 | 0.002 | 0.000 | 0.003 | 0.000 | 0.003 | 0.000 | 0.000 | 0.043 | |
| 12/14/09 | 0.000 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | 0.003 | 0.000 | 0.003 | 0.000 | 0.003 | 0.002 | 0.002 | 0.005 | 0.002 | 0.007 | 0.004 | 0.005 | 0.008 | 0.002 | 0.003 | 0.003 | 0.000 | 0.053 |
| 12/15/09 | 0.003 | 0.005 | 0.003 | 0.003 | 0.003 | 0.000 | 0.005 | 0.001 | 0.000 | 0.005 | 0.003 | 0.010 | 0.008 | 0.015 | 0.010 | 0.009 | 0.007 | 0.005 | 0.005 | 0.008 | 0.003 | 0.005 | 0.005 | 0.124 | |
| 12/16/09 | 0.003 | 0.003 | 0.005 | 0.005 | 0.000 | 0.005 | 0.003 | 0.003 | 0.006 | 0.003 | 0.002 | 0.008 | 0.005 | 0.008 | 0.010 | 0.007 | 0.007 | 0.007 | 0.005 | 0.005 | 0.002 | 0.005 | 0.005 | 0.115 | |
| 12/17/09 | 0.003 | 0.003 | 0.003 | 0.003 | 0.000 | 0.003 | 0.003 | 0.003 | 0.000 | 0.003 | 0.003 | 0.008 | 0.005 | 0.010 | 0.008 | 0.010 | 0.007 | 0.002 | 0.005 | 0.005 | 0.005 | 0.003 | 0.005 | 0.103 | |
| 12/18/09 | 0.005 | 0.000 | 0.008 | 0.005 | 0.003 | 0.003 | 0.005 | 0.003 | 0.003 | 0.006 | 0.003 | 0.008 | 0.008 | 0.008 | 0.010 | 0.005 | 0.004 | 0.005 | 0.005 | 0.005 | 0.005 | 0.008 | 0.003 | 0.121 | |
| 12/19/09 | 0.005 | 0.008 | 0.010 | 0.013 | 0.005 | 0.008 | 0.005 | 0.000 | 0.005 | 0.003 | 0.008 | 0.008 | 0.008 | 0.008 | 0.013 | 0.012 | 0.010 | 0.008 | 0.007 | 0.008 | 0.002 | 0.013 | 0.005 | 0.180 | |
| 12/20/09 | 0.005 | 0.005 | 0.008 | 0.003 | 0.005 | 0.002 | 0.002 | 0.000 | 0.000 | 0.003 | 0.003 | 0.006 | 0.005 | 0.005 | 0.015 | 0.005 | 0.007 | 0.008 | 0.002 | 0.005 | 0.003 | 0.003 | 0.000 | 0.103 | |
| 12/21/09 | 0.003 | 0.003 | 0.003 | 0.003 | 0.000 | 0.000 | 0.003 | 0.003 | 0.000 | 0.001 | 0.005 | 0.001 | 0.003 | 0.003 | 0.005 | 0.002 | 0.002 | 0.005 | 0.007 | 0.002 | 0.002 | 0.003 | 0.003 | 0.065 | |
| 12/22/09 | 0.000 | 0.000 | 0.003 | 0.002 | 0.000 | 0.000 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.008 | 0.005 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.039 | |
| 12/23/09 | 0.002 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.001 | 0.000 | 0.002 | 0.002 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.015 | |
| 12/24/09 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.008 | 0.001 | 0.000 | 0.000 | 0.003 | 0.005 | 0.005 | 0.002 | 0.002 | 0.002 | 0.002 | 0.000 | 0.002 | 0.005 | 0.005 | 0.043 | |
| 12/25/09 | 0.007 | 0.002 | 0.000 | INV | INV | INV | 0.000 | 0.000 | 0.003 | 0.060 | 0.000 | 0.005 | 0.003 | 0.002 | 0.002 | 0.008 | 0.004 | 0.005 | 0.002 | 0.003 | 0.002 | 0.003 | 0.000 | 0.111 | |
| 12/26/09 | 0.005 | 0.000 | 0.002 | 0.003 | 0.003 | 0.005 | 0.003 | 0.006 | 0.000 | 0.008 | 0.000 | 0.003 | 0.005 | 0.005 | 0.003 | 0.004 | 0.002 | 0.005 | 0.003 | 0.002 | 0.000 | 0.002 | 0.002 | 0.074 | |
| 12/27/09 | 0.002 | 0.002 | 0.002 | 0.023 | 0.015 | 0.000 | INV | INV | 0.001 | 0.001 | 0.003 | 0.000 | 0.003 | 0.005 | 0.003 | 0.005 | 0.004 | 0.004 | 0.003 | 0.005 | 0.003 | 0.003 | 0.003 | 0.093 | |
| 12/28/09 | 0.005 | 0.003 | 0.003 | 0.005 | 0.000 | 0.003 | 0.003 | 0.003 | 0.005 | 0.010 | 0.008 | 0.010 | 0.008 | 0.008 | 0.003 | 0.005 | 0.010 | 0.005 | 0.008 | 0.005 | 0.002 | 0.005 | 0.002 | 0.127 | |
| 12/29/09 | 0.003 | 0.000 | 0.005 | 0.003 | 0.000 | 0.003 | 0.003 | 0.003 | 0.000 | 0.005 | 0.001 | 0.003 | 0.003 | 0.003 | 0.002 | 0.002 | 0.005 | 0.003 | 0.005 | 0.002 | 0.003 | 0.000 | 0.063 | | |
| 12/30/09 | 0.003 | 0.002 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.003 | 0.003 | 0.000 | 0.003 | 0.003 | 0.002 | 0.005 | 0.008 | 0.005 | 0.003 | 0.003 | 0.005 | 0.005 | 0.005 | 0.003 | 0.000 | 0.066 | |
| 12/31/09 | 0.003 | 0.003 | 0.002 | 0.000 | 0.005 | 0.000 | 0.001 | 0.005 | 0.005 | 0.005 | 0.005 | 0.008 | 0.008 | 0.005 | 0.013 | 0.015 | 0.010 | 0.010 | 0.010 | 0.004 | 0.008 | 0.008 | 0.005 | 0.003 | 0.133 |

Total Evaporation for the month = 2.488

Total Number of Observations: 732

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

OCTOBER 2009

PRECIPITATION (inches)

Total Precipitation for the month = 0.00

Total Number of Observations: 744

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

NOVEMBER 2009

PRECIPITATION (inches)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Total Precipitation |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | |
| 11/01/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/02/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/03/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/04/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/05/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/06/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/07/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/08/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/09/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/10/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/11/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/12/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/13/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.06 | 0.04 | 0.00 | 0.03 | 0.18 | |
| 11/14/09 | 0.02 | 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 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | |
| 11/15/09 | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | |
| 11/16/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/17/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/18/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/19/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/20/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/21/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/22/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/23/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/24/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/25/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/26/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/27/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/28/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/29/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.11 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | |
| 11/30/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 = 0.40

Total Number of Observations: 720

Possible Number of Observations: 720

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC1 (EAST PLANT) MONITORING SITE

DECEMBER 2009

PRECIPITATION (inches)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Total Precipitation |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | |
| 12/01/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/02/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/03/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/04/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/05/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/06/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.01 | 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 | 0.08 | |
| 12/07/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.03 | 0.03 | 0.13 | 0.14 | 0.20 | 0.16 | 0.04 | 0.06 | 0.09 | 0.05 | 0.00 | 0.03 | 0.06 | 1.04 | |
| 12/08/09 | 0.27 | 0.20 | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.52 | |
| 12/09/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/10/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/11/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/12/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/13/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/14/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/15/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/16/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/17/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/18/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/19/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/20/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/21/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/22/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.19 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | |
| 12/23/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/24/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/25/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/26/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/27/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/28/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/29/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/30/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/31/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 = 2.11

Total Number of Observations: 744

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

OCTOBER 2009

WIND SPEED (m/s)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 10/01/09 | 1.8 | 1.4 | 0.7 | 0.7 | 2.8 | 1.6 | 3.8 | 3.3 | 3.7 | 4.4 | 3.8 | 2.3 | 2.7 | 2.2 | 3.4 | 3.5 | 3.7 | 3.3 | 1.6 | 0.4 | 0.7 | 1.9 | 2.5 | 1.0 | 4.4 | 0.4 | 2.4 |
| 10/02/09 | 0.4 | 0.5 | 0.9 | 0.4 | 1.2 | 2.5 | 2.0 | 0.7 | 1.9 | 1.8 | 2.4 | 2.8 | 3.0 | 3.6 | 4.1 | 4.1 | 4.1 | 3.2 | 2.1 | 1.9 | 1.0 | 2.5 | 2.7 | 1.4 | 4.1 | 0.4 | 2.1 |
| 10/03/09 | 1.6 | 3.0 | 2.6 | 2.4 | 1.6 | 0.9 | 1.9 | 4.2 | 2.2 | 2.9 | 3.0 | 3.1 | 3.1 | 3.4 | 3.5 | 4.6 | 4.7 | 4.5 | 3.6 | 1.4 | 0.8 | 0.9 | 2.3 | 3.2 | 4.7 | 0.8 | 2.7 |
| 10/04/09 | 3.3 | 2.6 | 3.5 | 2.4 | 2.6 | 3.2 | 3.3 | 3.1 | 3.8 | 5.0 | 5.9 | 6.9 | 6.3 | 7.1 | 6.7 | 6.6 | 7.4 | 6.1 | 7.6 | 5.9 | 4.2 | 2.2 | 1.9 | 3.5 | 7.6 | 1.9 | 4.6 |
| 10/05/09 | 4.2 | 3.7 | 1.3 | 1.0 | 1.9 | 1.7 | 0.4 | 1.4 | 2.3 | 3.7 | 4.3 | 4.8 | 5.3 | 4.6 | 4.7 | 5.0 | 4.0 | 3.8 | 1.7 | 0.6 | 0.6 | 0.8 | 0.7 | 0.8 | 5.3 | 0.4 | 2.6 |
| 10/06/09 | 1.5 | 0.7 | 0.2 | 0.8 | 1.3 | 3.4 | 4.3 | 3.7 | 2.3 | 2.1 | 4.9 | 4.4 | 3.8 | 4.4 | 3.8 | 3.8 | 4.3 | 3.3 | 2.0 | 1.1 | 0.9 | 0.9 | 0.5 | 1.4 | 4.9 | 0.2 | 2.5 |
| 10/07/09 | 0.7 | 0.6 | 2.2 | 1.7 | 1.3 | 1.2 | 1.1 | 0.6 | 2.1 | 3.4 | 3.0 | 4.3 | 3.9 | 4.3 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 1.7 | 0.6 | 0.7 | 0.6 | 0.1 | 4.3 | 0.1 | 2.2 |
| 10/08/09 | 0.8 | 1.1 | 1.5 | 0.6 | 0.3 | 0.2 | 0.4 | 0.5 | 1.3 | 1.8 | 2.6 | 3.2 | 4.1 | 4.4 | 4.8 | 4.8 | 3.9 | 3.5 | 0.9 | 0.5 | 0.4 | 0.3 | 1.2 | 0.5 | 4.8 | 0.2 | 1.8 |
| 10/09/09 | 0.6 | 1.6 | 1.2 | 0.9 | 1.2 | 1.9 | 0.7 | 0.9 | 1.2 | 1.8 | 2.2 | 3.1 | 3.2 | 3.1 | 3.1 | 3.5 | 3.7 | 3.3 | 1.2 | 1.1 | 1.3 | 1.3 | 1.1 | 1.3 | 3.7 | 0.6 | 1.9 |
| 10/10/09 | 2.2 | 2.2 | 4.3 | 3.5 | 1.8 | 4.0 | 4.3 | 3.4 | 2.5 | 3.1 | 3.0 | 3.6 | 3.6 | 2.6 | 4.1 | 4.0 | 3.2 | 3.0 | 1.3 | 0.7 | 1.5 | 0.5 | 0.6 | 1.3 | 4.3 | 0.5 | 2.7 |
| 10/11/09 | 0.7 | 1.2 | 1.0 | 2.3 | 1.8 | 4.0 | 2.5 | 1.9 | 1.6 | 2.2 | 3.9 | 3.9 | 4.1 | 4.3 | 5.3 | 5.3 | 4.1 | 3.6 | 2.1 | 0.8 | 0.8 | 1.5 | 1.5 | 1.5 | 5.3 | 0.7 | 2.6 |
| 10/12/09 | 0.7 | 1.9 | 1.2 | 1.1 | 1.5 | 1.7 | 3.1 | 1.7 | 1.1 | 3.6 | 7.1 | 5.6 | 4.7 | 4.5 | 5.2 | 4.8 | 4.9 | 3.8 | 2.2 | 1.2 | 1.8 | 2.6 | 2.5 | 1.9 | 7.1 | 0.7 | 2.9 |
| 10/13/09 | 2.6 | 3.1 | 3.4 | 3.1 | 2.6 | 1.1 | 0.8 | 1.4 | 1.5 | 1.4 | 2.6 | 3.3 | 2.9 | 2.8 | 3.6 | 3.9 | 3.3 | 2.7 | 1.5 | 1.0 | 0.4 | 1.4 | 0.8 | 1.3 | 3.9 | 0.4 | 2.2 |
| 10/14/09 | 1.8 | 1.3 | 0.8 | 0.2 | 1.4 | 2.0 | 1.1 | 1.1 | 2.1 | 2.0 | 2.9 | 3.3 | 3.0 | 3.5 | 3.0 | 3.0 | 4.1 | 3.7 | 1.5 | 0.6 | 0.1 | 0.3 | 0.6 | 0.4 | 4.1 | 0.1 | 1.8 |
| 10/15/09 | 0.9 | 0.3 | 0.7 | 0.6 | 2.1 | 4.4 | 1.9 | 0.8 | 1.0 | 1.8 | 2.4 | 3.1 | 2.9 | 3.3 | 3.3 | 3.7 | 3.7 | 2.9 | 1.2 | 0.8 | 1.9 | 1.7 | 1.8 | 2.6 | 4.4 | 0.3 | 2.1 |
| 10/16/09 | 1.0 | 1.0 | 2.1 | 1.4 | 1.4 | 1.9 | 1.5 | 0.8 | 0.9 | 3.8 | 6.7 | 6.7 | 3.4 | 2.7 | 2.8 | 2.7 | 3.0 | 3.1 | 3.1 | 3.8 | 3.8 | 5.5 | 6.5 | 6.5 | 6.7 | 0.8 | 3.2 |
| 10/17/09 | 6.1 | 3.7 | 3.6 | 4.1 | 2.4 | 3.2 | 3.1 | 2.9 | 4.2 | 5.4 | 4.6 | 5.4 | 6.1 | 5.2 | 4.7 | 3.3 | 3.4 | 3.7 | 5.3 | 4.7 | 6.5 | 7.0 | 8.6 | 10.7 | 10.7 | 2.4 | 4.9 |
| 10/18/09 | 11.8 | 12.1 | 10.6 | 6.6 | 5.3 | 4.7 | 3.8 | 3.7 | 5.1 | 4.0 | 3.4 | 3.0 | 3.2 | 2.7 | 3.0 | 4.3 | 4.2 | 2.6 | 1.5 | 1.8 | 0.9 | 1.5 | 1.5 | 1.1 | 12.1 | 0.9 | 4.3 |
| 10/19/09 | 1.0 | 0.8 | 1.2 | 1.4 | 1.0 | 1.3 | 1.6 | 0.5 | 2.4 | 4.3 | 5.0 | 5.6 | 5.4 | 4.9 | 5.4 | 5.2 | 5.1 | 4.0 | 1.7 | 1.0 | 1.1 | 1.2 | 0.9 | 1.2 | 5.6 | 0.5 | 2.6 |
| 10/20/09 | 1.6 | 1.7 | 1.1 | 1.7 | 1.8 | 1.4 | 1.2 | 1.7 | 2.6 | 3.5 | 4.7 | 4.0 | 5.3 | 6.0 | 5.7 | 6.1 | 5.3 | 4.3 | 3.1 | 1.1 | 0.6 | 1.0 | 1.0 | 0.9 | 6.1 | 0.6 | 2.8 |
| 10/21/09 | 1.3 | 2.0 | 2.4 | 1.6 | 2.4 | 1.7 | 2.1 | 0.9 | 1.1 | 1.4 | 3.1 | 2.7 | 2.9 | 3.7 | 4.4 | 4.6 | 4.0 | 3.3 | 0.1 | 0.9 | 1.2 | 0.6 | 0.8 | 0.9 | 4.6 | 0.1 | 2.1 |
| 10/22/09 | 0.6 | 0.4 | 0.1 | 0.5 | 2.3 | 1.7 | 1.4 | 1.7 | 1.8 | 1.7 | 3.3 | 4.2 | 4.5 | 4.5 | 4.3 | 3.8 | 2.7 | 0.8 | 0.2 | 1.2 | 1.8 | 0.6 | 0.8 | 4.5 | 0.1 | 1.9 | |
| 10/23/09 | 1.4 | 3.1 | 2.4 | 1.4 | 2.4 | 2.7 | 3.1 | 2.4 | 2.8 | 2.9 | 3.1 | 3.3 | 3.3 | 4.0 | 4.0 | 4.2 | 3.3 | 1.2 | 1.2 | 0.7 | 0.6 | 1.0 | 4.2 | 0.6 | 2.4 | | |
| 10/24/09 | 0.7 | 0.4 | 0.3 | 0.5 | 0.9 | 0.4 | 0.9 | 0.2 | 0.5 | 1.4 | 2.1 | 3.3 | 3.7 | 3.5 | 3.6 | 3.8 | 3.7 | 2.9 | 1.4 | 1.4 | 1.8 | 0.9 | 1.8 | 0.8 | 3.8 | 0.2 | 1.7 |
| 10/25/09 | 0.8 | 0.7 | 2.0 | 0.5 | 1.2 | 1.2 | 3.3 | 1.2 | 1.1 | 1.1 | 1.7 | 2.7 | 3.2 | 3.9 | 4.0 | 4.8 | 4.5 | 3.2 | 1.2 | 3.0 | 5.3 | 6.6 | 7.3 | 8.8 | 8.8 | 0.5 | 3.0 |
| 10/26/09 | 10.9 | 11.4 | 11.2 | 12.2 | 12.6 | 12.7 | 12.3 | 13.5 | 11.4 | 10.6 | 12.0 | 8.2 | 5.3 | 4.2 | 3.5 | 2.9 | 2.4 | 2.7 | 2.3 | 1.5 | 2.3 | 3.0 | 1.6 | 3.0 | 13.5 | 1.5 | 7.2 |
| 10/27/09 | 5.2 | 4.9 | 5.8 | 4.6 | 4.8 | 5.1 | 5.2 | 6.0 | 3.6 | 3.5 | 4.7 | 5.9 | 5.9 | 7.0 | 8.6 | 8.2 | 8.8 | 9.2 | 8.5 | 9.1 | 9.3 | 5.9 | 6.0 | 5.7 | 9.3 | 3.5 | 6.3 |
| 10/28/09 | 5.5 | 4.4 | 5.9 | 5.4 | 4.5 | 3.7 | 2.7 | 2.8 | 4.5 | 5.5 | 6.1 | 6.2 | 6.2 | 5.9 | 6.0 | 5.2 | 5.4 | 4.1 | 2.3 | 0.4 | 0.4 | 1.3 | 0.9 | 1.0 | 6.2 | 0.4 | 4.0 |
| 10/29/09 | 0.9 | 1.0 | 0.7 | 0.7 | 0.9 | 1.9 | 0.5 | 0.8 | 1.1 | 1.9 | 2.5 | 2.8 | 3.7 | 4.4 | 4.1 | 4.4 | 4.2 | 3.2 | 0.7 | 1.0 | 0.7 | 0.1 | 0.7 | 1.6 | 4.4 | 0.1 | 1.8 |
| 10/30/09 | 1.5 | 1.8 | 3.0 | 3.8 | 2.6 | 1.0 | 2.8 | 4.8 | 2.3 | 2.5 | 4.4 | 3.2 | 2.6 | 2.4 | 2.8 | 2.7 | 2.9 | 1.9 | 1.7 | 1.5 | 1.0 | 0.6 | 1.6 | 1.2 | 4.8 | 0.6 | 2.4 |
| 10/31/09 | 1.9 | 3.8 | 3.9 | 3.4 | 4.1 | 4.3 | 6.4 | 6.4 | 9.8 | 12.4 | 12.5 | 7.9 | 5.8 | 6.4 | 3.6 | 3.1 | 3.0 | 2.4 | 2.7 | 4.8 | 3.6 | 2.9 | 1.5 | 2.7 | 12.5 | 1.5 | 5.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|--|--|
| Hourly Averages | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.4 | 2.5 | 2.6 | 2.3 | 2.4 | 2.7 | 2.5 | 2.8 | 3.4 | 4.3 | 4.2 | 4.1 | 4.2 | 4.3 | 4.3 | 4.2 | 3.6 | 2.3 | 1.8 | 1.9 | 1.9 | 2.0 | 2.3 | | | | | |
| Maximum Hourly Wind Speed: 13.5 Minimum Hourly Wind Speed: 0.1 Average Monthly Wind Speed: 3.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum 24-Hour Mean: 7.2 Minimum 24-Hour Mean: 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Number of Observations: 744 Possible Number of Observations: 744 INV = Invalid Data ND = No Data Collection | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE
OCTOBER 2009

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 |
| 10/01/09 | 42 | 44 | 42 | 268 | 72 | 312 | 67 | 239 | 211 | 92 | 128 | 141 | 214 | 161 | 255 | 259 | 257 | 266 | 293 | 52 | 40 | 47 | 49 | 22 |
| 10/02/09 | 39 | 24 | 36 | 23 | 43 | 54 | 355 | 246 | 167 | 201 | 208 | 225 | 262 | 270 | 257 | 253 | 269 | 278 | 303 | 313 | 287 | 7 | 65 | 71 |
| 10/03/09 | 54 | 230 | 238 | 244 | 198 | 226 | 319 | 78 | 149 | 197 | 196 | 189 | 232 | 217 | 276 | 258 | 235 | 230 | 254 | 288 | 178 | 114 | 179 | 167 |
| 10/04/09 | 155 | 151 | 162 | 181 | 168 | 171 | 182 | 209 | 171 | 163 | 189 | 194 | 196 | 204 | 217 | 229 | 228 | 234 | 241 | 233 | 235 | 168 | 172 | 198 |
| 10/05/09 | 201 | 200 | 131 | 188 | 161 | 126 | 172 | 169 | 166 | 234 | 270 | 250 | 257 | 255 | 250 | 255 | 263 | 273 | 233 | 298 | 336 | 95 | 85 | 323 |
| 10/06/09 | 55 | 144 | 50 | 314 | 104 | 83 | 90 | 98 | 179 | 188 | 190 | 219 | 271 | 278 | 258 | 267 | 260 | 271 | 305 | 321 | 61 | 248 | 214 | 40 |
| 10/07/09 | 32 | 69 | 59 | 28 | 79 | 0 | 34 | 96 | 229 | 279 | 285 | 261 | 266 | 244 | 266 | 263 | 253 | 274 | 265 | 271 | 122 | 51 | 18 | 38 |
| 10/08/09 | 54 | 74 | 22 | 329 | 222 | 272 | 325 | 135 | 119 | 185 | 277 | 253 | 270 | 257 | 254 | 265 | 259 | 255 | 259 | 37 | 6 | 281 | 41 | 329 |
| 10/09/09 | 269 | 39 | 34 | 330 | 51 | 54 | 26 | 262 | 173 | 192 | 217 | 252 | 255 | 274 | 269 | 269 | 262 | 264 | 289 | 24 | 34 | 19 | 55 | 49 |
| 10/10/09 | 51 | 44 | 86 | 103 | 61 | 96 | 93 | 92 | 160 | 100 | 163 | 203 | 185 | 180 | 262 | 279 | 285 | 280 | 319 | 21 | 28 | 325 | 8 | 38 |
| 10/11/09 | 352 | 56 | 50 | 56 | 73 | 76 | 88 | 79 | 84 | 214 | 234 | 212 | 218 | 232 | 214 | 221 | 238 | 229 | 297 | 7 | 38 | 50 | 55 | 69 |
| 10/12/09 | 6 | 51 | 285 | 104 | 73 | 100 | 78 | 83 | 161 | 174 | 148 | 170 | 184 | 197 | 186 | 190 | 230 | 255 | 260 | 254 | 237 | 255 | 250 | 253 |
| 10/13/09 | 249 | 238 | 270 | 296 | 262 | 221 | 286 | 313 | 193 | 198 | 228 | 195 | 197 | 220 | 241 | 265 | 268 | 284 | 328 | 334 | 284 | 66 | 47 | 72 |
| 10/14/09 | 47 | 52 | 51 | 18 | 30 | 48 | 43 | 68 | 148 | 169 | 196 | 210 | 263 | 272 | 234 | 260 | 257 | 276 | 296 | 21 | 29 | 305 | 74 | 45 |
| 10/15/09 | 38 | 341 | 322 | 26 | 73 | 71 | 43 | 319 | 190 | 194 | 242 | 227 | 268 | 261 | 272 | 273 | 264 | 273 | 335 | 28 | 39 | 70 | 326 | 27 |
| 10/16/09 | 227 | 317 | 15 | 10 | 314 | 330 | 335 | 45 | 154 | 16 | 61 | 64 | 55 | 123 | 274 | 49 | 78 | 43 | 75 | 81 | 72 | 84 | 61 | 75 |
| 10/17/09 | 70 | 42 | 110 | 169 | 310 | 227 | 292 | 203 | 121 | 61 | 99 | 92 | 66 | 72 | 152 | 156 | 132 | 87 | 65 | 89 | 90 | 81 | 73 | 65 |
| 10/18/09 | 59 | 57 | 60 | 81 | 86 | 85 | 106 | 48 | 39 | 83 | 99 | 160 | 178 | 198 | 234 | 250 | 265 | 283 | 22 | 39 | 47 | 72 | 73 | 3 |
| 10/19/09 | 349 | 71 | 117 | 92 | 49 | 56 | 59 | 75 | 157 | 205 | 212 | 234 | 239 | 249 | 235 | 241 | 246 | 210 | 175 | 96 | 144 | 211 | 186 | 136 |
| 10/20/09 | 169 | 147 | 85 | 115 | 117 | 83 | 135 | 232 | 231 | 273 | 250 | 256 | 259 | 254 | 255 | 262 | 270 | 273 | 271 | 280 | 116 | 63 | 46 | 4 |
| 10/21/09 | 42 | 65 | 73 | 96 | 59 | 356 | 34 | 62 | 123 | 262 | 251 | 248 | 247 | 258 | 268 | 263 | 275 | 257 | 118 | 9 | 351 | 44 | 33 | 34 |
| 10/22/09 | 279 | 5 | 317 | 26 | 56 | 37 | 313 | 52 | 183 | 206 | 169 | 237 | 243 | 257 | 262 | 255 | 259 | 274 | 301 | 60 | 20 | 9 | 66 | 343 |
| 10/23/09 | 74 | 70 | 48 | 327 | 231 | 252 | 250 | 184 | 195 | 201 | 141 | 324 | 67 | 230 | 236 | 265 | 256 | 277 | 314 | 334 | 357 | 36 | 348 | 295 |
| 10/24/09 | 323 | 339 | 27 | 37 | 259 | 45 | 317 | 147 | 168 | 184 | 192 | 257 | 261 | 253 | 238 | 254 | 272 | 287 | 302 | 55 | 42 | 56 | 40 | 58 |
| 10/25/09 | 274 | 351 | 51 | 311 | 65 | 36 | 64 | 23 | 147 | 167 | 261 | 246 | 274 | 248 | 244 | 255 | 256 | 242 | 70 | 54 | 51 | 57 | 78 | 56 |
| 10/26/09 | 48 | 47 | 52 | 43 | 54 | 47 | 39 | 40 | 56 | 103 | 68 | 73 | 84 | 123 | 90 | 106 | 0 | 53 | 90 | 56 | 52 | 71 | 63 | 68 |
| 10/27/09 | 82 | 80 | 79 | 91 | 82 | 83 | 87 | 78 | 115 | 175 | 177 | 204 | 222 | 221 | 224 | 234 | 224 | 230 | 228 | 210 | 206 | 266 | 258 | 285 |
| 10/28/09 | 274 | 264 | 253 | 240 | 245 | 258 | 263 | 240 | 250 | 256 | 244 | 259 | 253 | 268 | 269 | 254 | 255 | 269 | 266 | 242 | 243 | 53 | 49 | 42 |
| 10/29/09 | 48 | 47 | 57 | 72 | 47 | 50 | 242 | 213 | 133 | 211 | 263 | 237 | 267 | 254 | 252 | 238 | 252 | 241 | 262 | 70 | 12 | 273 | 31 | 59 |
| 10/30/09 | 59 | 64 | 78 | 78 | 80 | 36 | 69 | 89 | 187 | 210 | 215 | 226 | 231 | 233 | 255 | 300 | 271 | 271 | 326 | 90 | 46 | 272 | 52 | 312 |
| 10/31/09 | 346 | 12 | 30 | 72 | 81 | 100 | 101 | 84 | 74 | 69 | 66 | 64 | 41 | 44 | 46 | 97 | 116 | 102 | 75 | 88 | 80 | 327 | 28 | 2 |

| Hourly Averages | 141 | 120 | 106 | 141 | 123 | 129 | 158 | 139 | 156 | 176 | 191 | 206 | 210 | 220 | 234 | 235 | 234 | 237 | 233 | 140 | 125 | 131 | 101 | 115 |
|-------------------------------|-----|----------------------------------|-----|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------------|-----|-----|-----|-----|
| Total Number of Observations: | 744 | Possible Number of Observations: | 744 | INV = Invalid Data | | | | | | | | | | | | | | | | ND = No Data Collection | | | | |

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

NOVEMBER 2009

WIND SPEED (m/s)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg | |
|----------|------|-----|------|------|------|------|------|-----|-----|------|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | |
| 11/01/09 | 2.1 | 5.2 | 2.9 | 3.6 | 2.8 | 2.9 | 3.3 | 3.1 | 3.1 | 3.3 | 4.8 | 4.1 | 2.4 | 2.8 | 3.3 | 2.6 | 2.6 | 2.1 | 1.6 | 1.0 | 2.0 | 0.2 | 0.7 | 1.3 | 5.2 | 0.2 | 2.7 | |
| 11/02/09 | 0.8 | 2.3 | 2.9 | 1.4 | 1.6 | 3.3 | 1.6 | 1.1 | 1.2 | 1.3 | 1.7 | 2.4 | 2.8 | 2.9 | 2.9 | 2.8 | 2.8 | 2.0 | 1.4 | 1.3 | 0.8 | 2.2 | 2.2 | 1.1 | 3.3 | 0.8 | 2.0 | |
| 11/03/09 | 3.0 | 5.7 | 3.6 | 2.8 | 3.2 | 3.3 | 2.7 | 4.0 | 5.6 | 4.2 | 4.2 | 5.5 | 5.9 | 5.1 | 3.9 | 3.2 | 2.8 | 2.7 | 3.1 | 3.6 | 3.0 | 3.1 | 2.4 | 3.1 | 5.9 | 2.4 | 3.7 | |
| 11/04/09 | 6.6 | 6.3 | 3.8 | 3.8 | 5.0 | 6.9 | 6.3 | 5.0 | 5.1 | 6.1 | 5.6 | 6.5 | 6.0 | 3.9 | 3.7 | 3.2 | 2.7 | 3.1 | 3.8 | 4.6 | 4.1 | 4.6 | 4.8 | 4.8 | 6.9 | 2.7 | 4.8 | |
| 11/05/09 | 5.1 | 4.1 | 4.7 | 5.2 | 5.4 | 4.6 | 4.0 | 4.8 | 4.2 | 4.7 | 4.9 | 4.4 | 4.0 | 3.4 | 3.4 | 2.1 | 2.9 | 2.0 | 1.1 | 1.8 | 1.1 | 0.5 | 0.5 | 2.7 | 5.4 | 0.5 | 3.4 | |
| 11/06/09 | 2.9 | 2.1 | 1.8 | 3.6 | 5.3 | 4.7 | 4.6 | 5.7 | 4.3 | 3.2 | 2.0 | 3.4 | 2.5 | 2.8 | 1.8 | 1.5 | 0.7 | 0.8 | 1.9 | 2.9 | 1.0 | 1.8 | 1.0 | 1.5 | 5.7 | 0.7 | 2.7 | |
| 11/07/09 | 0.6 | 0.8 | 0.5 | 0.4 | 0.6 | 1.3 | 1.6 | 0.4 | 1.2 | 1.0 | 1.8 | 2.2 | 4.0 | 3.2 | 2.8 | 3.8 | 3.9 | 2.5 | 1.1 | 0.8 | 0.5 | 1.1 | 1.3 | 1.2 | 4.0 | 0.4 | 1.6 | |
| 11/08/09 | 1.7 | 0.7 | 0.7 | 0.9 | 1.3 | 1.6 | 1.8 | 1.5 | 2.5 | 2.5 | 2.8 | 3.6 | 3.1 | 4.7 | 4.2 | 4.3 | 4.0 | 2.1 | 1.4 | 1.2 | 1.5 | 1.8 | 2.4 | 0.7 | 4.7 | 0.7 | 2.2 | |
| 11/09/09 | 0.6 | 2.1 | 1.2 | 1.2 | 1.7 | 0.9 | 1.6 | 1.4 | 2.0 | 1.9 | 2.2 | 1.7 | 2.0 | 2.4 | 2.4 | 2.0 | 2.6 | 1.6 | 2.1 | 2.8 | 2.5 | 3.3 | 3.5 | 3.6 | 3.6 | 0.6 | 2.1 | |
| 11/10/09 | 2.2 | 4.2 | 4.3 | 3.6 | 3.3 | 3.5 | 3.4 | 5.1 | 5.2 | 5.7 | 7.0 | 6.0 | 4.8 | 4.6 | 3.4 | 2.8 | 2.6 | 2.5 | 3.9 | 5.7 | 7.3 | 7.3 | 7.7 | 8.2 | 8.2 | 2.2 | 4.8 | |
| 11/11/09 | 7.8 | 5.9 | 5.9 | 5.7 | 6.9 | 6.7 | 6.3 | 4.8 | 4.0 | 5.6 | 6.4 | 4.6 | 3.8 | 4.2 | 3.4 | 2.6 | 2.5 | 3.2 | 3.9 | 4.1 | 3.8 | 2.9 | 2.0 | 2.1 | 7.8 | 2.0 | 4.5 | |
| 11/12/09 | 0.8 | 1.2 | 1.2 | 1.1 | 1.4 | 1.0 | 1.2 | 0.9 | 0.9 | 2.5 | 3.4 | 3.9 | 4.2 | 3.8 | 2.4 | 0.9 | 0.5 | 1.1 | 1.7 | 0.8 | 1.4 | 0.9 | 2.3 | 1.8 | 4.2 | 0.5 | 1.7 | |
| 11/13/09 | 1.9 | 1.3 | 1.0 | 0.6 | 1.0 | 1.6 | 1.5 | 2.8 | 2.0 | 4.1 | 4.8 | 5.2 | 5.1 | 4.7 | 4.5 | 4.4 | 3.3 | 2.1 | 1.1 | 1.5 | 1.9 | 1.9 | 3.7 | 3.3 | 5.2 | 0.6 | 2.7 | |
| 11/14/09 | 1.7 | 1.7 | 1.1 | 1.2 | 1.4 | 0.8 | 0.7 | 0.3 | 1.4 | 1.4 | 1.3 | 3.2 | 3.5 | 3.3 | 4.0 | 2.1 | 1.5 | 1.1 | 1.6 | 0.7 | 1.9 | 1.2 | 0.3 | 0.7 | 4.0 | 0.3 | 1.6 | |
| 11/15/09 | 0.4 | 1.6 | 1.6 | 2.0 | 1.4 | 2.9 | 1.1 | 0.2 | 2.5 | 1.8 | 3.1 | 3.2 | 3.3 | 4.1 | 2.9 | 3.7 | 4.9 | 3.3 | 3.0 | 4.5 | 3.9 | 4.1 | 3.1 | 3.1 | 4.9 | 0.2 | 2.7 | |
| 11/16/09 | 2.6 | 9.5 | 8.7 | 7.8 | 8.4 | 6.4 | 8.6 | 7.4 | 6.8 | 10.0 | 6.9 | 7.6 | 8.2 | 7.1 | 4.9 | 4.4 | 3.0 | 2.7 | 3.3 | 3.1 | 2.9 | 3.1 | 3.0 | 4.6 | 10.0 | 2.6 | 5.9 | |
| 11/17/09 | 8.7 | 9.4 | 8.3 | 8.1 | 3.6 | 4.0 | 3.2 | 5.2 | 7.4 | 6.0 | 6.5 | 5.5 | 5.8 | 5.2 | 4.2 | 2.7 | 3.0 | 3.2 | 2.5 | 3.3 | 4.2 | 6.1 | 5.1 | 3.2 | 9.4 | 2.5 | 5.2 | |
| 11/18/09 | 2.6 | 3.8 | 6.9 | 5.9 | 4.5 | 3.7 | 3.5 | 4.0 | 4.1 | 3.6 | 3.7 | 4.0 | 3.0 | 2.4 | 3.1 | 4.1 | 3.5 | 2.1 | 0.5 | 1.5 | 1.7 | 1.6 | 1.4 | 1.1 | 6.9 | 0.5 | 3.2 | |
| 11/19/09 | 0.9 | 1.7 | 2.3 | 0.6 | 2.0 | 2.3 | 0.7 | 0.8 | 1.0 | 1.1 | 1.7 | 2.6 | 3.3 | 3.7 | 3.6 | 3.6 | 3.6 | 3.6 | 1.5 | 0.5 | 0.9 | 2.3 | 2.1 | 1.3 | 1.8 | 3.7 | 0.5 | 1.9 |
| 11/20/09 | 4.6 | 3.4 | 3.6 | 2.1 | 1.4 | 1.4 | 2.7 | 2.0 | 1.8 | 0.8 | 2.5 | 4.3 | 3.9 | 3.8 | 2.8 | 2.1 | 2.9 | 1.5 | 1.6 | 3.6 | 4.6 | 3.5 | 2.5 | 2.6 | 4.6 | 0.8 | 2.8 | |
| 11/21/09 | 2.5 | 4.8 | 4.7 | 5.3 | 5.0 | 6.1 | 6.0 | 5.4 | 4.1 | 2.5 | 2.3 | 3.8 | 4.6 | 5.5 | 5.3 | 4.5 | 3.5 | 1.8 | 1.2 | 0.9 | 0.5 | 1.4 | 1.0 | 1.2 | 6.1 | 0.5 | 3.5 | |
| 11/22/09 | 0.4 | 0.3 | 0.8 | 2.9 | 2.6 | 1.6 | 6.0 | 5.2 | 3.2 | 3.4 | 2.9 | 3.5 | 4.8 | 3.0 | 2.5 | 3.6 | 3.1 | 2.0 | 1.4 | 1.4 | 1.4 | 1.2 | 0.6 | 0.3 | 6.0 | 0.3 | 2.4 | |
| 11/23/09 | 0.5 | 0.5 | 1.8 | 1.8 | 1.4 | 0.6 | 0.6 | 1.3 | 0.4 | 0.9 | 1.7 | 2.4 | 3.2 | 2.5 | 2.9 | 2.9 | 3.4 | 2.0 | 1.1 | 1.7 | 2.0 | 3.0 | 3.9 | 3.9 | 0.4 | 1.9 | | |
| 11/24/09 | 6.1 | 4.8 | 3.8 | 4.7 | 3.9 | 2.3 | 3.0 | 3.4 | 5.1 | 9.3 | 7.0 | 7.6 | 8.0 | 5.8 | 3.9 | 2.8 | 3.1 | 3.5 | 8.6 | 9.6 | 9.0 | 9.0 | 10.0 | 10.0 | 2.3 | 6.0 | | |
| 11/25/09 | 8.6 | 9.0 | 8.6 | 10.4 | 10.2 | 10.7 | 11.4 | 9.1 | 3.9 | 4.5 | 5.6 | 9.0 | 10.2 | 8.6 | 5.1 | 4.0 | 2.9 | 2.9 | 7.0 | 8.9 | 6.4 | 5.3 | 5.6 | 4.4 | 11.4 | 2.9 | 7.2 | |
| 11/26/09 | 4.9 | 5.9 | 12.9 | 15.1 | 11.1 | 8.6 | 4.3 | 4.8 | 6.1 | 5.5 | 3.4 | 4.9 | 3.5 | 5.9 | 7.2 | 5.9 | 7.1 | 8.7 | 7.3 | 5.5 | 5.1 | 5.5 | 4.2 | 5.7 | 15.1 | 3.4 | 6.6 | |
| 11/27/09 | 4.8 | 5.3 | 5.6 | 5.6 | 6.2 | 6.5 | 4.7 | 3.5 | 3.8 | 3.1 | 2.9 | 3.2 | 2.7 | 3.3 | 2.6 | 4.2 | 3.7 | 2.0 | 0.9 | 1.5 | 1.5 | 1.5 | 1.7 | 2.0 | 6.5 | 0.9 | 3.4 | |
| 11/28/09 | 1.1 | 1.7 | 0.9 | 1.6 | 1.9 | 3.5 | 2.8 | 4.3 | 4.4 | 4.6 | 7.3 | 7.7 | 7.0 | 7.0 | 7.4 | 6.7 | 5.7 | 3.9 | 2.4 | 1.7 | 1.4 | 1.5 | 1.0 | 1.6 | 7.7 | 0.9 | 3.7 | |
| 11/29/09 | 1.5 | 1.0 | 0.8 | 1.9 | 2.2 | 2.4 | 3.9 | 4.2 | 6.3 | 5.3 | 5.9 | 5.4 | 5.7 | 5.7 | 5.9 | 6.2 | 3.5 | 3.2 | 3.0 | 3.2 | 1.0 | 1.8 | 2.7 | 3.4 | 6.3 | 0.8 | 3.6 | |
| 11/30/09 | 3.4 | 6.0 | 9.7 | 10.2 | 8.8 | 7.2 | 5.4 | 4.0 | 5.7 | 8.7 | 8.4 | 8.9 | 9.3 | 6.7 | 6.6 | 5.1 | 3.9 | 2.5 | 2.0 | 2.5 | 4.8 | 5.5 | 2.7 | 4.0 | 10.2 | 2.0 | 5.9 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
| Hourly Averages | 3.0 | 3.7 | 3.9 | 4.0 | 3.9 | 3.8 | 3.6 | 3.5 | 3.6 | 4.0 | 4.2 | 4.7 | 4.7 | 4.4 | 3.9 | 3.5 | 3.2 | 2.5 | 2.5 | 2.9 | 2.8 | 2.9 | 2.8 | 3.0 | | | |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|

| | | | | | |
|-----------------------------------|------|-----------------------------------|-----|------------------------------------|-----|
| Maximum Hourly Wind Speed: | 15.1 | Minimum Hourly Wind Speed: | 0.2 | Average Monthly Wind Speed: | 3.5 |
|-----------------------------------|------|-----------------------------------|-----|------------------------------------|-----|

| | | | |
|------------------------------|-----|------------------------------|-----|
| Maximum 24-Hour Mean: | 7.2 | Minimum 24-Hour Mean: | 1.6 |
|------------------------------|-----|------------------------------|-----|

| | | | | | | | |
|--------------------------------------|-----|---|-----|---------------------------|--|--------------------------------|--|
| Total Number of Observations: | 720 | Possible Number of Observations: | 720 | INV = Invalid Data | | ND = No Data Collection | |
|--------------------------------------|-----|---|-----|---------------------------|--|--------------------------------|--|

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

NOVEMBER 2009

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 | | | |
| 11/01/09 | 334 | 73 | 13 | 44 | 359 | 46 | 53 | 38 | 50 | 109 | 146 | 128 | 220 | 194 | 266 | 247 | 261 | 291 | 348 | 33 | 41 | 337 | 13 | 352 | | | |
| 11/02/09 | 352 | 54 | 44 | 344 | 34 | 54 | 303 | 327 | 216 | 202 | 221 | 216 | 270 | 279 | 263 | 241 | 289 | 301 | 348 | 360 | 331 | 44 | 19 | 353 | | | |
| 11/03/09 | 51 | 78 | 42 | 355 | 331 | 332 | 343 | 340 | 56 | 8 | 53 | 44 | 47 | 57 | 118 | 70 | 64 | 120 | 93 | 11 | 310 | 296 | 294 | 304 | | | |
| 11/04/09 | 64 | 57 | 43 | 335 | 24 | 68 | 66 | 44 | 28 | 48 | 82 | 75 | 93 | 124 | 116 | 125 | 84 | 76 | 67 | 56 | 60 | 59 | 63 | 63 | | | |
| 11/05/09 | 55 | 63 | 76 | 58 | 60 | 55 | 72 | 69 | 55 | 92 | 86 | 68 | 158 | 169 | 174 | 202 | 273 | 306 | 342 | 39 | 32 | 6 | 335 | 50 | | | |
| 11/06/09 | 57 | 9 | 45 | 76 | 90 | 119 | 138 | 93 | 100 | 122 | 101 | 219 | 278 | 288 | 291 | 107 | 172 | 48 | 54 | 57 | 10 | 38 | 33 | 46 | | | |
| 11/07/09 | 350 | 283 | 29 | 357 | 345 | 343 | 31 | 294 | 188 | 239 | 180 | 221 | 270 | 262 | 232 | 261 | 265 | 298 | 334 | 17 | 327 | 45 | 53 | 49 | | | |
| 11/08/09 | 45 | 30 | 41 | 38 | 40 | 32 | 51 | 40 | 121 | 150 | 191 | 210 | 222 | 219 | 244 | 242 | 253 | 280 | 338 | 279 | 59 | 47 | 53 | 43 | | | |
| 11/09/09 | 12 | 36 | 359 | 26 | 50 | 19 | 19 | 2 | 104 | 198 | 137 | 345 | 209 | 179 | 259 | 280 | 279 | 320 | 50 | 69 | 32 | 49 | 29 | 344 | | | |
| 11/10/09 | 320 | 43 | 46 | 36 | 75 | 77 | 85 | 88 | 81 | 101 | 85 | 93 | 128 | 127 | 140 | 74 | 76 | 74 | 82 | 101 | 93 | 89 | 90 | 90 | | | |
| 11/11/09 | 91 | 89 | 63 | 49 | 56 | 40 | 41 | 26 | 31 | 70 | 98 | 128 | 110 | 104 | 68 | 182 | 118 | 79 | 91 | 84 | 80 | 76 | 76 | 93 | | | |
| 11/12/09 | 103 | 54 | 100 | 73 | 309 | 259 | 314 | 288 | 246 | 170 | 183 | 220 | 216 | 266 | 294 | 300 | 88 | 77 | 166 | 125 | 222 | 240 | 273 | 243 | | | |
| 11/13/09 | 122 | 123 | 88 | 91 | 93 | 166 | 156 | 205 | 168 | 200 | 199 | 203 | 205 | 246 | 237 | 260 | 267 | 273 | 319 | 65 | 74 | 110 | 85 | 89 | | | |
| 11/14/09 | 37 | 45 | 50 | 60 | 59 | 76 | 74 | 77 | 130 | 296 | 175 | 250 | 296 | 296 | 244 | 145 | 205 | 206 | 71 | 353 | 58 | 36 | 350 | 35 | | | |
| 11/15/09 | 39 | 53 | 56 | 46 | 42 | 86 | 2 | 293 | 113 | 251 | 54 | 119 | 62 | 55 | 90 | 70 | 67 | 100 | 148 | 86 | 243 | 230 | 212 | 244 | | | |
| 11/16/09 | 264 | 60 | 69 | 78 | 73 | 72 | 67 | 70 | 66 | 62 | 68 | 68 | 63 | 64 | 72 | 70 | 72 | 310 | 317 | 309 | 329 | 306 | 306 | 55 | | | |
| 11/17/09 | 80 | 81 | 81 | 78 | 342 | 63 | 38 | 61 | 81 | 74 | 67 | 64 | 65 | 75 | 84 | 129 | 153 | 111 | 18 | 253 | 36 | 60 | 59 | 5 | | | |
| 11/18/09 | 150 | 89 | 81 | 82 | 84 | 101 | 107 | 102 | 96 | 79 | 80 | 76 | 184 | 183 | 226 | 251 | 260 | 295 | 44 | 31 | 42 | 343 | 41 | 17 | | | |
| 11/19/09 | 335 | 51 | 50 | 55 | 37 | 10 | 303 | 323 | 320 | 238 | 214 | 257 | 269 | 271 | 269 | 270 | 264 | 268 | 38 | 39 | 56 | 39 | 4 | 5 | | | |
| 11/20/09 | 77 | 90 | 65 | 323 | 352 | 9 | 42 | 43 | 251 | 235 | 197 | 116 | 125 | 197 | 224 | 203 | 281 | 311 | 37 | 65 | 77 | 69 | 44 | 55 | | | |
| 11/21/09 | 52 | 77 | 80 | 93 | 89 | 80 | 78 | 94 | 81 | 134 | 190 | 175 | 210 | 238 | 251 | 257 | 266 | 291 | 328 | 9 | 335 | 23 | 293 | 20 | | | |
| 11/22/09 | 330 | 333 | 22 | 51 | 53 | 2 | 82 | 78 | 109 | 103 | 98 | 204 | 188 | 202 | 216 | 257 | 276 | 301 | 360 | 38 | 55 | 32 | 349 | 338 | | | |
| 11/23/09 | 36 | 32 | 42 | 49 | 38 | 2 | 22 | 12 | 288 | 223 | 204 | 219 | 254 | 267 | 241 | 251 | 253 | 305 | 335 | 51 | 306 | 315 | 265 | 310 | | | |
| 11/24/09 | 70 | 59 | 156 | 230 | 218 | 253 | 266 | 262 | 354 | 65 | 60 | 60 | 65 | 68 | 67 | 77 | 84 | 96 | 71 | 75 | 77 | 76 | 67 | 71 | | | |
| 11/25/09 | 73 | 75 | 72 | 73 | 70 | 77 | 72 | 62 | 322 | 13 | 42 | 52 | 61 | 61 | 69 | 71 | 129 | 115 | 65 | 70 | 67 | 79 | 87 | 123 | | | |
| 11/26/09 | 118 | 94 | 60 | 58 | 56 | 40 | 352 | 143 | 99 | 109 | 132 | 63 | 269 | 56 | 70 | 70 | 71 | 81 | 77 | 79 | 91 | 59 | 42 | 53 | | | |
| 11/27/09 | 51 | 49 | 66 | 68 | 74 | 75 | 65 | 54 | 72 | 85 | 163 | 126 | 108 | 188 | 195 | 204 | 223 | 282 | 341 | 67 | 53 | 57 | 54 | 44 | | | |
| 11/28/09 | 66 | 73 | 90 | 109 | 156 | 157 | 153 | 148 | 149 | 172 | 186 | 201 | 216 | 214 | 221 | 224 | 229 | 258 | 264 | 245 | 96 | 72 | 57 | 279 | | | |
| 11/29/09 | 48 | 294 | 203 | 129 | 107 | 81 | 82 | 108 | 72 | 75 | 66 | 69 | 66 | 92 | 79 | 63 | 104 | 111 | 88 | 89 | 59 | 49 | 101 | 109 | | | |
| 11/30/09 | 120 | 69 | 61 | 66 | 63 | 80 | 73 | 92 | 79 | 61 | 64 | 61 | 62 | 86 | 69 | 71 | 60 | 73 | 64 | 82 | 83 | 73 | 116 | 91 | | | |
| Hourly Averages | | 130 | 87 | 76 | 118 | 126 | 96 | 118 | 129 | 138 | 133 | 127 | 145 | 166 | 171 | 180 | 176 | 183 | 202 | 177 | 108 | 124 | 112 | 129 | 132 | | |
| Total Number of Observations: 720 | | | | | | | | | | | | Possible Number of Observations: 720 | | | | | | | | | | | | INV = Invalid Data | | ND = No Data Collection | |

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

DECEMBER 2009

WIND SPEED (m/s)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|------|-----|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 12/01/09 | 5.5 | 4.1 | 4.6 | 2.3 | 3.0 | 2.0 | 1.1 | 1.8 | 1.6 | 1.1 | 1.9 | 2.2 | 2.4 | 3.7 | 3.8 | 4.2 | 4.2 | 1.8 | 1.3 | 1.3 | 0.8 | 1.1 | 0.7 | 0.9 | 5.5 | 0.7 | 2.4 |
| 12/02/09 | 0.5 | 0.9 | 0.9 | 0.2 | 1.2 | 1.8 | 0.4 | 1.1 | 0.6 | 1.1 | 1.6 | 2.0 | 2.8 | 3.2 | 3.1 | 3.3 | 3.2 | 1.9 | 0.6 | 0.3 | 0.5 | 0.3 | 0.7 | 0.2 | 3.3 | 0.2 | 1.3 |
| 12/03/09 | 0.1 | 0.3 | 0.2 | 0.4 | 0.4 | 0.9 | 0.8 | 0.5 | 0.5 | 0.8 | 1.6 | 2.4 | 3.9 | 4.5 | 4.6 | 4.6 | 4.1 | 2.0 | 1.3 | 1.0 | 6.2 | 7.9 | 9.3 | 9.4 | 9.4 | 0.1 | 2.8 |
| 12/04/09 | 10.4 | 11.7 | 12.0 | 12.4 | 13.5 | 13.4 | 10.2 | 7.0 | 7.6 | 11.8 | 10.2 | 6.7 | 4.7 | 3.3 | 2.2 | 2.1 | 2.7 | 3.6 | 4.3 | 3.3 | 2.3 | 3.1 | 3.5 | 3.9 | 13.5 | 2.1 | 6.9 |
| 12/05/09 | 4.6 | 5.0 | 4.6 | 4.5 | 3.1 | 3.3 | 3.9 | 3.9 | 4.0 | 4.5 | 4.4 | 4.0 | 3.6 | 3.3 | 2.8 | 3.1 | 2.3 | 1.8 | 0.9 | 1.0 | 1.3 | 1.6 | 1.3 | 1.5 | 5.0 | 0.9 | 3.1 |
| 12/06/09 | 1.0 | 1.2 | 0.6 | 1.5 | 0.9 | 1.9 | 2.1 | 1.8 | 2.4 | 2.0 | 1.3 | 0.9 | 1.2 | 1.3 | 1.3 | 1.7 | 2.4 | 1.6 | 1.5 | 1.5 | 1.2 | 1.4 | 1.1 | 1.0 | 2.4 | 0.6 | 1.5 |
| 12/07/09 | 1.3 | 0.9 | 1.1 | 1.2 | 1.4 | 0.5 | 1.4 | 0.6 | 0.8 | 2.4 | 4.6 | 3.8 | 2.3 | 4.6 | 3.1 | 4.4 | 2.9 | 3.5 | 4.4 | 3.2 | 6.3 | 7.8 | 7.7 | 7.7 | 7.8 | 0.5 | 3.2 |
| 12/08/09 | 8.8 | 10.8 | 5.7 | 6.1 | 6.5 | 5.8 | 4.9 | 3.6 | 2.7 | 4.9 | 5.3 | 5.2 | 4.9 | 4.1 | 3.8 | 3.7 | 3.4 | 2.2 | 0.3 | 1.2 | 1.9 | 1.8 | 0.7 | 0.6 | 10.8 | 0.3 | 4.1 |
| 12/09/09 | 1.1 | 0.6 | 0.3 | 0.4 | 0.0 | 0.5 | 0.3 | 0.3 | 0.0 | 0.8 | 1.6 | 2.4 | 1.5 | 2.7 | 3.3 | 3.3 | 2.9 | 1.4 | 0.4 | 0.8 | 2.1 | 1.4 | 1.9 | 4.4 | 4.4 | 0.0 | 1.4 |
| 12/10/09 | 2.3 | 2.5 | 2.6 | 3.7 | 4.3 | 2.8 | 4.0 | 4.4 | 4.5 | 2.1 | 1.8 | 2.0 | 2.2 | 2.7 | 2.6 | 2.1 | 1.8 | 2.4 | 0.6 | 0.7 | 0.1 | 0.4 | 2.0 | 4.1 | 4.5 | 0.1 | 2.5 |
| 12/11/09 | 2.6 | 0.7 | 0.6 | 1.8 | 1.8 | 3.2 | 4.9 | 3.0 | 3.3 | 1.5 | 1.0 | 1.0 | 2.1 | 3.4 | 3.1 | 2.5 | 1.8 | 2.2 | 1.4 | 1.4 | 1.0 | 0.9 | 1.8 | 2.9 | 4.9 | 0.6 | 2.1 |
| 12/12/09 | 1.9 | 1.5 | 1.8 | 0.6 | 0.8 | 2.3 | 1.0 | 2.4 | 2.8 | 3.8 | 1.7 | 1.2 | 1.5 | 1.2 | 1.5 | 1.4 | 1.5 | 1.3 | 2.7 | 5.1 | 6.0 | 5.1 | 2.4 | 3.8 | 6.0 | 0.6 | 2.3 |
| 12/13/09 | 4.9 | 4.0 | 3.6 | 4.2 | 2.8 | 2.2 | 1.3 | 1.4 | 1.3 | 1.5 | 4.4 | 5.4 | 6.9 | 6.7 | 6.2 | 4.7 | 3.1 | 1.7 | 0.4 | 0.7 | 1.1 | 0.6 | 0.8 | 0.8 | 6.9 | 0.4 | 3.0 |
| 12/14/09 | 0.4 | 0.3 | 0.9 | 0.1 | 0.2 | 0.5 | 0.5 | 1.4 | 0.7 | 0.7 | 1.1 | 2.5 | 3.5 | 3.6 | 3.2 | 3.1 | 2.7 | 1.8 | 1.6 | 1.1 | 0.9 | 1.5 | 2.9 | 5.7 | 5.7 | 0.1 | 1.7 |
| 12/15/09 | 8.5 | 8.4 | 5.7 | 8.5 | 8.0 | 5.5 | 4.0 | 7.1 | 6.2 | 6.7 | 9.1 | 8.8 | 4.0 | 2.6 | 3.3 | 3.1 | 3.5 | 3.9 | 2.5 | 3.2 | 4.1 | 3.7 | 4.0 | 6.0 | 9.1 | 2.5 | 5.4 |
| 12/16/09 | 7.3 | 5.6 | 7.1 | 7.0 | 8.4 | 4.7 | 5.2 | 7.5 | 6.3 | 6.9 | 5.8 | 3.4 | 3.7 | 3.9 | 2.1 | 2.3 | 5.1 | 6.3 | 2.5 | 2.8 | 3.8 | 2.9 | 3.2 | 3.7 | 8.4 | 2.1 | 4.9 |
| 12/17/09 | 3.7 | 3.3 | 3.2 | 3.1 | 4.6 | 3.3 | 4.0 | 3.4 | 3.5 | 3.8 | 5.1 | 3.5 | 3.8 | 3.1 | 3.0 | 3.1 | 2.5 | 1.0 | 1.0 | 1.2 | 1.4 | 1.0 | 1.0 | 0.8 | 5.1 | 0.8 | 2.8 |
| 12/18/09 | 1.4 | 1.8 | 0.8 | 1.5 | 1.9 | 2.1 | 2.8 | 2.7 | 2.2 | 1.4 | 1.6 | 3.1 | 4.4 | 3.4 | 3.3 | 2.9 | 2.2 | 1.7 | 0.9 | 0.3 | 0.6 | 1.7 | 3.1 | 2.3 | 4.4 | 0.3 | 2.1 |
| 12/19/09 | 2.3 | 3.5 | 2.6 | 4.1 | 8.4 | 7.1 | 7.4 | 9.5 | 11.6 | 12.7 | 9.7 | 5.9 | 7.0 | 5.4 | 4.4 | 4.6 | 5.3 | 5.7 | 4.3 | 3.9 | 4.2 | 3.3 | 4.2 | 5.4 | 12.7 | 2.3 | 5.9 |
| 12/20/09 | 3.8 | 4.8 | 3.5 | 3.0 | 4.2 | 4.1 | 5.3 | 6.0 | 5.7 | 5.9 | 4.7 | 4.7 | 5.2 | 3.2 | 3.5 | 3.0 | 3.0 | 4.4 | 4.8 | 5.7 | 5.1 | 5.0 | 5.3 | 5.7 | 6.0 | 3.0 | 4.6 |
| 12/21/09 | 5.4 | 5.9 | 5.9 | 6.1 | 6.3 | 5.8 | 6.1 | 5.9 | 5.1 | 3.4 | 2.9 | 2.5 | 2.7 | 2.8 | 1.9 | 2.0 | 1.4 | 0.5 | 1.0 | 1.3 | 1.7 | 0.4 | 1.2 | 1.2 | 6.3 | 0.4 | 3.3 |
| 12/22/09 | 0.5 | 0.5 | 0.8 | 0.8 | 0.7 | 0.9 | 1.3 | 1.3 | 1.8 | 1.9 | 2.6 | 3.1 | 5.3 | 7.5 | 8.7 | 5.8 | 1.6 | 3.5 | 2.2 | 1.7 | 2.1 | 0.3 | 0.2 | 1.2 | 8.7 | 0.2 | 2.4 |
| 12/23/09 | 1.7 | 1.1 | 0.9 | 1.4 | 0.6 | 0.6 | 0.8 | 0.6 | 0.4 | 1.3 | 1.8 | 2.1 | 2.1 | 1.7 | 2.3 | 3.5 | 3.6 | 2.0 | 1.4 | 0.4 | 1.1 | 1.0 | 0.9 | 0.9 | 3.6 | 0.4 | 1.4 |
| 12/24/09 | 1.3 | 1.3 | 0.9 | 0.5 | 0.6 | 2.0 | 2.0 | INV | 1.2 | 2.2 | 3.1 | 2.6 | 2.8 | 3.6 | 3.9 | 4.2 | 3.7 | 1.8 | 1.2 | 1.7 | 2.4 | 4.8 | 2.0 | 1.7 | 4.8 | 0.5 | 2.2 |
| 12/25/09 | 1.9 | 1.6 | 0.9 | 1.3 | 0.8 | 1.6 | 1.2 | 1.3 | 1.5 | 1.0 | 1.2 | 1.2 | 2.4 | 2.4 | 2.7 | 3.1 | 3.1 | 2.0 | 1.3 | 1.4 | 1.3 | 1.1 | 1.8 | 1.4 | 3.1 | 0.8 | 1.7 |
| 12/26/09 | 2.1 | 1.6 | 0.9 | 1.3 | 1.6 | 2.8 | 6.0 | 6.8 | 2.8 | 3.5 | 3.8 | 4.2 | 4.6 | 3.3 | 2.3 | 1.7 | 2.2 | 2.2 | 1.4 | 0.7 | 1.5 | 3.6 | 3.8 | 1.9 | 6.8 | 0.7 | 2.8 |
| 12/27/09 | 2.3 | 3.9 | 3.7 | 2.2 | 3.1 | 4.2 | 2.8 | 2.5 | 1.8 | 2.1 | 3.1 | 3.5 | 4.3 | 2.8 | 3.5 | 2.2 | 2.1 | 1.3 | 1.2 | 0.9 | 1.8 | 4.5 | 2.7 | 2.5 | 4.5 | 0.9 | 2.7 |
| 12/28/09 | 3.6 | 3.2 | 5.2 | 4.8 | 7.6 | 6.6 | 4.8 | 8.1 | 8.3 | 8.0 | 11.3 | 13.8 | 6.7 | 4.1 | 5.1 | 6.5 | 6.5 | 7.0 | 5.1 | 3.2 | 5.5 | 8.0 | 6.2 | 5.8 | 13.8 | 3.2 | 6.5 |
| 12/29/09 | 4.2 | 4.8 | 6.2 | 6.6 | 4.1 | 3.6 | 3.9 | 4.9 | 4.8 | 6.6 | 5.7 | 5.0 | 3.0 | 2.8 | 3.2 | 3.3 | 3.0 | 2.0 | 0.9 | 1.8 | 1.4 | 0.5 | 1.7 | 0.3 | 6.6 | 0.3 | 3.5 |
| 12/30/09 | 1.3 | 2.3 | 2.0 | 0.4 | 1.3 | 1.6 | 1.9 | 1.6 | 1.7 | 1.1 | 3.7 | 2.8 | 3.8 | 4.3 | 4.4 | 3.9 | 2.8 | 2.2 | 2.5 | 2.4 | 1.8 | 2.5 | 1.5 | 0.5 | 4.4 | 0.4 | 2.3 |
| 12/31/09 | 0.2 | 0.5 | 0.5 | 1.3 | 2.3 | 2.7 | 2.5 | 6.0 | 7.2 | 5.4 | 6.9 | 6.8 | 3.8 | 4.1 | 3.3 | 2.4 | 2.9 | 2.9 | 2.6 | 2.5 | 2.7 | 2.5 | 3.8 | 2.6 | 7.2 | 0.2 | 3.3 |

Hourly Averages

3.1 3.2 2.9 3.0 3.4 3.2 3.6 3.4 3.6 4.0 3.8 3.7 3.5 3.4 3.3 3.0 2.6 1.9 1.9 2.4 2.6 2.7 2.9

Maximum Hourly Wind Speed: 13.8 Minimum Hourly Wind Speed: 0.0 Average Monthly Wind Speed: 3.1

Maximum 24-Hour Mean: 6.9 Minimum 24-Hour Mean: 1.3

Total Number of Observations: 743 Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

DECEMBER 2009

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 |
| 12/01/09 | 90 | 81 | 76 | 47 | 62 | 56 | 138 | 42 | 144 | 157 | 271 | 274 | 247 | 261 | 257 | 262 | 260 | 270 | 326 | 339 | 346 | 33 | 315 | 9 |
| 12/02/09 | 310 | 26 | 61 | 90 | 26 | 52 | 321 | 16 | 230 | 180 | 176 | 209 | 220 | 248 | 266 | 260 | 260 | 271 | 334 | 35 | 355 | 316 | 270 | 348 |
| 12/03/09 | 314 | 304 | 22 | 7 | 331 | 28 | 46 | 27 | 226 | 187 | 239 | 277 | 284 | 271 | 252 | 248 | 259 | 292 | 1 | 34 | 84 | 74 | 72 | 54 |
| 12/04/09 | 46 | 53 | 60 | 62 | 66 | 71 | 74 | 77 | 92 | 74 | 69 | 81 | 74 | 149 | 85 | 127 | 91 | 95 | 114 | 131 | 145 | 168 | 173 | |
| 12/05/09 | 95 | 95 | 92 | 93 | 137 | 170 | 99 | 121 | 111 | 97 | 61 | 72 | 172 | 192 | 185 | 230 | 269 | 313 | 62 | 59 | 60 | 63 | 75 | 59 |
| 12/06/09 | 282 | 307 | 110 | 360 | 313 | 55 | 68 | 97 | 28 | 55 | 257 | 8 | 263 | 224 | 233 | 219 | 223 | 231 | 93 | 145 | 173 | 182 | 194 | 195 |
| 12/07/09 | 174 | 116 | 128 | 102 | 102 | 159 | 98 | 141 | 167 | 157 | 153 | 151 | 173 | 220 | 217 | 271 | 265 | 228 | 203 | 190 | 170 | 170 | 186 | 184 |
| 12/08/09 | 216 | 230 | 245 | 245 | 242 | 266 | 281 | 258 | 221 | 253 | 262 | 255 | 248 | 256 | 237 | 241 | 235 | 236 | 344 | 21 | 16 | 300 | 184 | 281 |
| 12/09/09 | 38 | 41 | 329 | 53 | 301 | 313 | 311 | 155 | 181 | 210 | 218 | 199 | 271 | 232 | 254 | 264 | 267 | 268 | 322 | 20 | 55 | 87 | 70 | 83 |
| 12/10/09 | 63 | 52 | 65 | 87 | 87 | 90 | 94 | 95 | 93 | 165 | 224 | 214 | 293 | 286 | 286 | 277 | 279 | 314 | 65 | 51 | 335 | 2 | 73 | 79 |
| 12/11/09 | 83 | 280 | 68 | 61 | 95 | 84 | 86 | 54 | 99 | 200 | 206 | 216 | 212 | 268 | 277 | 282 | 247 | 305 | 342 | 43 | 340 | 1 | 51 | 61 |
| 12/12/09 | 49 | 51 | 59 | 41 | 81 | 49 | 19 | 72 | 81 | 86 | 193 | 169 | 241 | 223 | 260 | 172 | 263 | 351 | 74 | 82 | 70 | 74 | 92 | 75 |
| 12/13/09 | 78 | 85 | 119 | 94 | 94 | 213 | 228 | 270 | 277 | 187 | 170 | 176 | 216 | 231 | 260 | 269 | 255 | 235 | 200 | 325 | 268 | 95 | 247 | 279 |
| 12/14/09 | 353 | 25 | 2 | 325 | 322 | 60 | 10 | 5 | 48 | 172 | 169 | 221 | 261 | 269 | 252 | 238 | 242 | 266 | 338 | 13 | 54 | 49 | 40 | 62 |
| 12/15/09 | 75 | 83 | 112 | 69 | 61 | 76 | 57 | 80 | 87 | 75 | 66 | 68 | 51 | 53 | 53 | 70 | 79 | 99 | 130 | 57 | 331 | 293 | 301 | 43 |
| 12/16/09 | 43 | 67 | 78 | 85 | 62 | 260 | 31 | 60 | 72 | 70 | 55 | 261 | 242 | 311 | 68 | 133 | 62 | 68 | 325 | 322 | 18 | 351 | 37 | 29 |
| 12/17/09 | 2 | 13 | 66 | 54 | 81 | 69 | 72 | 63 | 60 | 48 | 78 | 110 | 128 | 119 | 125 | 176 | 233 | 244 | 325 | 321 | 321 | 344 | 123 | 311 |
| 12/18/09 | 307 | 48 | 330 | 292 | 341 | 332 | 291 | 343 | 37 | 236 | 243 | 99 | 122 | 116 | 258 | 279 | 260 | 307 | 23 | 337 | 292 | 244 | 245 | 266 |
| 12/19/09 | 268 | 246 | 262 | 266 | 73 | 81 | 104 | 91 | 74 | 64 | 65 | 59 | 48 | 69 | 73 | 58 | 70 | 72 | 27 | 296 | 309 | 250 | 355 | 9 |
| 12/20/09 | 317 | 1 | 349 | 316 | 335 | 4 | 30 | 35 | 38 | 42 | 46 | 106 | 103 | 71 | 112 | 113 | 63 | 83 | 86 | 87 | 82 | 85 | 84 | 84 |
| 12/21/09 | 83 | 81 | 80 | 80 | 84 | 81 | 83 | 84 | 92 | 109 | 147 | 80 | 196 | 211 | 287 | 301 | 316 | 151 | 48 | 46 | 77 | 13 | 54 | 52 |
| 12/22/09 | 358 | 46 | 18 | 24 | 149 | 249 | 84 | 193 | 96 | 144 | 202 | 184 | 194 | 213 | 206 | 271 | 163 | 263 | 254 | 269 | 308 | 306 | 188 | 149 |
| 12/23/09 | 24 | 141 | 202 | 326 | 337 | 211 | 210 | 231 | 162 | 230 | 253 | 254 | 215 | 219 | 253 | 239 | 263 | 291 | 254 | 234 | 14 | 67 | 345 | 357 |
| 12/24/09 | 37 | 27 | 43 | 330 | 330 | 64 | 66 | INV | 316 | 271 | 240 | 184 | 196 | 4 | 346 | 310 | 289 | 218 | 55 | 32 | 65 | 79 | 63 | 7 |
| 12/25/09 | 38 | 15 | 15 | 70 | 8 | 67 | 57 | 7 | 37 | 214 | 203 | 200 | 243 | 258 | 271 | 272 | 270 | 300 | 339 | 31 | 55 | 35 | 309 | 314 |
| 12/26/09 | 289 | 299 | 339 | 299 | 341 | 305 | 66 | 75 | 239 | 230 | 197 | 95 | 91 | 110 | 161 | 252 | 115 | 119 | 113 | 301 | 34 | 72 | 97 | 18 |
| 12/27/09 | 79 | 82 | 80 | 23 | 52 | 74 | 71 | 73 | 287 | 107 | 135 | 103 | 102 | 116 | 143 | 119 | 204 | 313 | 37 | 310 | 57 | 83 | 299 | 311 |
| 12/28/09 | 303 | 299 | 18 | 358 | 47 | 45 | 28 | 38 | 35 | 44 | 55 | 67 | 47 | 336 | 78 | 62 | 68 | 59 | 36 | 126 | 103 | 87 | 102 | 51 |
| 12/29/09 | 59 | 70 | 56 | 51 | 62 | 84 | 64 | 54 | 59 | 58 | 67 | 63 | 174 | 159 | 222 | 230 | 245 | 294 | 333 | 48 | 350 | 53 | 54 | 34 |
| 12/30/09 | 58 | 54 | 62 | 21 | 64 | 60 | 51 | 48 | 95 | 185 | 185 | 169 | 222 | 220 | 240 | 241 | 255 | 316 | 327 | 288 | 278 | 338 | 295 | 215 |
| 12/31/09 | 305 | 289 | 36 | 359 | 2 | 31 | 161 | 77 | 59 | 97 | 93 | 79 | 77 | 26 | 16 | 36 | 347 | 315 | 289 | 269 | 285 | 308 | 30 | 295 |

| Hourly Averages | 156 | 116 | 115 | 151 | 151 | 121 | 110 | 99 | 124 | 142 | 161 | 151 | 182 | 189 | 203 | 209 | 218 | 232 | 187 | 156 | 175 | 148 | 162 | 145 | |
|-------------------------------|-----|----------------------------------|-----|--------------------|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------------|-----|-----|-----|-----|--|
| Total Number of Observations: | 743 | 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

OCTOBER 2009

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 |
| 10/01/09 | 13 | 27 | 16 | 58 | 50 | 29 | 29 | 80 | 76 | 24 | 31 | 66 | 56 | 68 | 49 | 30 | 21 | 13 | 25 | 31 | 22 | 11 | 10 | 40 |
| 10/02/09 | 11 | 44 | 26 | 16 | 22 | 19 | 66 | 64 | 31 | 43 | 42 | 53 | 62 | 35 | 27 | 27 | 22 | 17 | 16 | 14 | 24 | 42 | 67 | 71 |
| 10/03/09 | 81 | 34 | 40 | 47 | 19 | 33 | 71 | 14 | 49 | 44 | 43 | 48 | 59 | 43 | 38 | 26 | 24 | 18 | 25 | 55 | 28 | 28 | 18 | 12 |
| 10/04/09 | 17 | 21 | 18 | 18 | 15 | 12 | 12 | 17 | 16 | 20 | 16 | 24 | 18 | 21 | 19 | 14 | 16 | 14 | 15 | 27 | 35 | 29 | 21 | |
| 10/05/09 | 21 | 16 | 42 | 59 | 28 | 25 | 46 | 44 | 27 | 37 | 24 | 22 | 25 | 27 | 30 | 22 | 24 | 15 | 34 | 49 | 61 | 58 | 43 | 48 |
| 10/06/09 | 14 | 59 | 32 | 71 | 57 | 28 | 14 | 10 | 62 | 40 | 23 | 50 | 29 | 25 | 34 | 46 | 22 | 18 | 26 | 15 | 13 | 29 | 51 | 12 |
| 10/07/09 | 41 | 20 | 18 | 54 | 28 | 69 | 82 | 26 | 23 | 20 | 26 | 20 | 27 | 28 | 23 | 22 | 21 | 16 | 12 | 15 | 32 | 16 | 48 | 8 |
| 10/08/09 | 11 | 44 | 46 | 25 | 31 | 24 | 38 | 59 | 56 | 73 | 47 | 33 | 31 | 32 | 28 | 26 | 21 | 14 | 10 | 24 | 33 | 23 | 48 | 53 |
| 10/09/09 | 26 | 31 | 24 | 59 | 28 | 49 | 39 | 55 | 30 | 47 | 72 | 52 | 47 | 57 | 52 | 27 | 19 | 15 | 74 | 25 | 17 | 81 | 15 | 10 |
| 10/10/09 | 12 | 43 | 12 | 36 | 56 | 30 | 20 | 29 | 44 | 49 | 53 | 35 | 40 | 58 | 27 | 17 | 15 | 18 | 35 | 24 | 41 | 51 | 29 | 22 |
| 10/11/09 | 39 | 18 | 22 | 19 | 42 | 13 | 50 | 34 | 34 | 50 | 28 | 36 | 47 | 35 | 27 | 27 | 25 | 19 | 33 | 34 | 28 | 20 | 31 | 45 |
| 10/12/09 | 43 | 12 | 69 | 64 | 33 | 27 | 9 | 24 | 47 | 39 | 23 | 21 | 41 | 28 | 27 | 26 | 28 | 17 | 15 | 27 | 36 | 17 | 19 | 21 |
| 10/13/09 | 23 | 24 | 26 | 12 | 20 | 26 | 17 | 21 | 59 | 78 | 49 | 39 | 54 | 46 | 43 | 21 | 20 | 16 | 13 | 14 | 40 | 23 | 38 | 55 |
| 10/14/09 | 10 | 17 | 14 | 7 | 24 | 22 | 74 | 18 | 43 | 35 | 43 | 45 | 45 | 40 | 37 | 31 | 19 | 14 | 22 | 30 | 7 | 18 | 48 | 40 |
| 10/15/09 | 23 | 27 | 49 | 46 | 51 | 14 | 47 | 35 | 39 | 38 | 42 | 40 | 39 | 26 | 28 | 23 | 22 | 13 | 37 | 10 | 11 | 71 | 67 | 31 |
| 10/16/09 | 74 | 44 | 28 | 31 | 26 | 22 | 47 | 20 | 67 | 101 | 21 | 14 | 53 | 76 | 92 | 72 | 44 | 21 | 27 | 10 | 15 | 18 | 18 | 20 |
| 10/17/09 | 27 | 65 | 41 | 87 | 39 | 63 | 41 | 86 | 50 | 27 | 55 | 34 | 19 | 29 | 19 | 68 | 37 | 50 | 18 | 28 | 26 | 25 | 21 | 18 |
| 10/18/09 | 16 | 12 | 13 | 33 | 31 | 30 | 60 | 76 | 41 | 53 | 43 | 44 | 62 | 66 | 46 | 37 | 19 | 21 | 25 | 49 | 27 | 25 | 29 | 37 |
| 10/19/09 | 23 | 40 | 41 | 31 | 54 | 24 | 28 | 33 | 39 | 27 | 26 | 23 | 26 | 22 | 27 | 20 | 18 | 15 | 42 | 39 | 66 | 56 | 55 | 46 |
| 10/20/09 | 30 | 44 | 32 | 31 | 26 | 25 | 31 | 33 | 41 | 34 | 25 | 22 | 23 | 23 | 20 | 18 | 15 | 14 | 11 | 15 | 35 | 26 | 15 | 23 |
| 10/21/09 | 25 | 36 | 36 | 68 | 61 | 63 | 41 | 45 | 31 | 79 | 29 | 42 | 50 | 41 | 27 | 21 | 19 | 23 | 28 | 35 | 19 | 51 | 41 | 17 |
| 10/22/09 | 33 | 25 | 23 | 29 | 25 | 32 | 18 | 41 | 49 | 26 | 63 | 45 | 22 | 25 | 23 | 22 | 20 | 14 | 36 | 21 | 37 | 56 | 58 | 64 |
| 10/23/09 | 36 | 23 | 16 | 59 | 70 | 59 | 41 | 83 | 65 | 33 | 67 | 56 | 39 | 48 | 30 | 22 | 15 | 11 | 19 | 22 | 48 | 41 | 45 | 40 |
| 10/24/09 | 45 | 24 | 36 | 30 | 65 | 25 | 53 | 22 | 37 | 35 | 49 | 28 | 29 | 31 | 27 | 22 | 20 | 12 | 53 | 29 | 9 | 60 | 56 | 20 |
| 10/25/09 | 29 | 49 | 15 | 50 | 30 | 43 | 14 | 63 | 30 | 49 | 48 | 51 | 27 | 20 | 24 | 23 | 16 | 25 | 36 | 26 | 21 | 21 | 22 | 21 |
| 10/26/09 | 16 | 14 | 16 | 15 | 15 | 14 | 12 | 12 | 24 | 28 | 12 | 23 | 22 | 69 | 34 | 33 | 65 | 44 | 63 | 34 | 14 | 15 | 35 | 20 |
| 10/27/09 | 11 | 11 | 9 | 29 | 20 | 15 | 33 | 14 | 44 | 33 | 18 | 18 | 20 | 19 | 20 | 16 | 15 | 15 | 14 | 16 | 11 | 11 | 13 | |
| 10/28/09 | 12 | 21 | 13 | 16 | 14 | 12 | 14 | 20 | 19 | 17 | 20 | 19 | 23 | 25 | 22 | 36 | 14 | 17 | 13 | 27 | 36 | 16 | 10 | 26 |
| 10/29/09 | 8 | 14 | 6 | 37 | 23 | 39 | 37 | 70 | 47 | 44 | 52 | 35 | 28 | 28 | 27 | 26 | 20 | 16 | 9 | 14 | 47 | 25 | 38 | 14 |
| 10/30/09 | 13 | 19 | 12 | 10 | 43 | 70 | 21 | 10 | 63 | 22 | 17 | 53 | 57 | 35 | 52 | 30 | 19 | 32 | 27 | 69 | 56 | 49 | 33 | 63 |
| 10/31/09 | 50 | 43 | 64 | 43 | 41 | 37 | 36 | 32 | 23 | 16 | 13 | 28 | 30 | 16 | 56 | 45 | 40 | 49 | 34 | 15 | 36 | 31 | 42 | 63 |

Total Number of Observations: 744

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

NOVEMBER 2009

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 |
| 11/01/09 | 44 | 37 | 63 | 53 | 58 | 46 | 44 | 54 | 54 | 91 | 27 | 18 | 58 | 42 | 25 | 39 | 25 | 25 | 21 | 19 | 13 | 21 | 47 | 46 |
| 11/02/09 | 56 | 19 | 12 | 55 | 34 | 34 | 24 | 28 | 45 | 23 | 37 | 50 | 33 | 24 | 27 | 32 | 15 | 20 | 23 | 64 | 45 | 25 | 41 | 46 |
| 11/03/09 | 52 | 19 | 75 | 59 | 61 | 33 | 50 | 62 | 45 | 82 | 74 | 40 | 28 | 23 | 32 | 45 | 58 | 33 | 39 | 57 | 64 | 37 | 27 | 44 |
| 11/04/09 | 29 | 25 | 57 | 42 | 53 | 18 | 14 | 37 | 47 | 38 | 48 | 37 | 32 | 35 | 29 | 36 | 44 | 25 | 25 | 27 | 30 | 30 | 30 | 35 |
| 11/05/09 | 35 | 42 | 38 | 39 | 37 | 43 | 48 | 50 | 58 | 43 | 37 | 35 | 62 | 32 | 33 | 64 | 55 | 23 | 30 | 21 | 32 | 24 | 39 | 12 |
| 11/06/09 | 12 | 38 | 57 | 40 | 15 | 28 | 25 | 18 | 34 | 32 | 60 | 27 | 22 | 14 | 15 | 44 | 16 | 15 | 28 | 59 | 49 | 24 | 56 | 14 |
| 11/07/09 | 48 | 28 | 32 | 30 | 37 | 52 | 49 | 24 | 42 | 33 | 34 | 49 | 19 | 30 | 39 | 25 | 17 | 18 | 18 | 21 | 51 | 60 | 13 | 23 |
| 11/08/09 | 15 | 18 | 12 | 14 | 11 | 21 | 29 | 30 | 57 | 50 | 48 | 21 | 40 | 23 | 30 | 19 | 18 | 32 | 16 | 85 | 13 | 37 | 11 | 22 |
| 11/09/09 | 34 | 34 | 38 | 44 | 25 | 37 | 37 | 47 | 61 | 88 | 34 | 72 | 71 | 56 | 65 | 47 | 21 | 34 | 20 | 18 | 47 | 37 | 48 | 55 |
| 11/10/09 | 40 | 45 | 35 | 84 | 56 | 51 | 44 | 26 | 28 | 29 | 30 | 35 | 35 | 26 | 38 | 59 | 49 | 25 | 26 | 18 | 20 | 21 | 23 | 22 |
| 11/11/09 | 24 | 30 | 32 | 32 | 28 | 28 | 33 | 64 | 80 | 43 | 31 | 45 | 71 | 28 | 36 | 40 | 28 | 20 | 14 | 10 | 31 | 29 | 20 | 31 |
| 11/12/09 | 50 | 68 | 31 | 62 | 75 | 52 | 59 | 47 | 32 | 44 | 17 | 19 | 19 | 22 | 28 | 44 | 38 | 56 | 41 | 61 | 36 | 54 | 16 | 69 |
| 11/13/09 | 22 | 33 | 18 | 24 | 31 | 25 | 29 | 20 | 31 | 13 | 12 | 13 | 17 | 30 | 20 | 13 | 16 | 11 | 19 | 66 | 30 | 36 | 11 | 25 |
| 11/14/09 | 21 | 73 | 53 | 47 | 16 | 52 | 14 | 11 | 42 | 30 | 76 | 34 | 23 | 34 | 45 | 37 | 79 | 60 | 71 | 25 | 11 | 51 | 22 | 17 |
| 11/15/09 | 18 | 15 | 37 | 24 | 26 | 49 | 65 | 17 | 42 | 50 | 41 | 53 | 66 | 38 | 66 | 44 | 29 | 38 | 85 | 64 | 45 | 42 | 81 | 49 |
| 11/16/09 | 72 | 26 | 18 | 18 | 22 | 45 | 22 | 35 | 35 | 15 | 24 | 17 | 15 | 16 | 25 | 22 | 61 | 70 | 23 | 32 | 31 | 30 | 46 | 63 |
| 11/17/09 | 12 | 12 | 13 | 15 | 93 | 66 | 89 | 48 | 23 | 40 | 32 | 38 | 17 | 16 | 22 | 56 | 31 | 53 | 74 | 57 | 74 | 27 | 32 | 79 |
| 11/18/09 | 94 | 52 | 13 | 18 | 26 | 44 | 47 | 51 | 50 | 66 | 50 | 47 | 39 | 41 | 46 | 25 | 15 | 25 | 19 | 22 | 43 | 60 | 30 | 51 |
| 11/19/09 | 61 | 48 | 36 | 55 | 28 | 51 | 55 | 57 | 50 | 46 | 33 | 31 | 29 | 24 | 18 | 24 | 16 | 14 | 24 | 37 | 11 | 33 | 57 | 45 |
| 11/20/09 | 16 | 36 | 72 | 64 | 32 | 39 | 22 | 26 | 87 | 51 | 72 | 39 | 38 | 34 | 37 | 53 | 17 | 24 | 23 | 13 | 9 | 17 | 20 | 17 |
| 11/21/09 | 19 | 7 | 19 | 18 | 18 | 9 | 10 | 24 | 33 | 47 | 46 | 25 | 35 | 20 | 21 | 24 | 17 | 24 | 41 | 47 | 52 | 22 | 28 | 37 |
| 11/22/09 | 19 | 29 | 16 | 14 | 51 | 65 | 8 | 21 | 37 | 22 | 33 | 31 | 19 | 41 | 60 | 27 | 15 | 16 | 43 | 18 | 23 | 39 | 57 | 26 |
| 11/23/09 | 22 | 19 | 15 | 18 | 44 | 23 | 12 | 49 | 42 | 35 | 42 | 41 | 28 | 44 | 32 | 30 | 21 | 24 | 17 | 14 | 81 | 55 | 99 | 94 |
| 11/24/09 | 22 | 46 | 93 | 22 | 38 | 28 | 30 | 34 | 90 | 14 | 29 | 21 | 12 | 21 | 36 | 40 | 21 | 65 | 12 | 11 | 10 | 16 | 20 | 12 |
| 11/25/09 | 18 | 11 | 15 | 11 | 13 | 12 | 14 | 21 | 63 | 58 | 46 | 31 | 13 | 13 | 31 | 25 | 59 | 56 | 24 | 16 | 30 | 34 | 48 | 45 |
| 11/26/09 | 39 | 45 | 20 | 16 | 16 | 24 | 84 | 48 | 25 | 49 | 58 | 53 | 71 | 67 | 28 | 42 | 30 | 26 | 31 | 31 | 39 | 34 | 65 | 36 |
| 11/27/09 | 40 | 31 | 27 | 25 | 12 | 15 | 31 | 36 | 42 | 66 | 90 | 63 | 39 | 48 | 35 | 34 | 29 | 26 | 42 | 36 | 50 | 14 | 13 | 11 |
| 11/28/09 | 23 | 17 | 42 | 52 | 57 | 14 | 17 | 13 | 13 | 16 | 20 | 15 | 16 | 18 | 16 | 14 | 20 | 24 | 20 | 40 | 52 | 42 | 46 | 51 |
| 11/29/09 | 55 | 74 | 63 | 49 | 29 | 48 | 39 | 31 | 29 | 22 | 33 | 26 | 21 | 37 | 28 | 14 | 39 | 25 | 23 | 34 | 58 | 42 | 42 | 21 |
| 11/30/09 | 22 | 44 | 15 | 13 | 13 | 27 | 40 | 39 | 44 | 18 | 21 | 21 | 18 | 56 | 46 | 34 | 58 | 39 | 30 | 32 | 15 | 18 | 14 | 20 |

Total Number of Observations: 720

Possible Number of Observations: 720

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

DECEMBER 2009

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 |
| 12/01/09 | 12 | 23 | 26 | 60 | 58 | 58 | 69 | 70 | 78 | 42 | 37 | 44 | 44 | 19 | 23 | 15 | 12 | 18 | 25 | 26 | 61 | 43 | 43 | 47 |
| 12/02/09 | 51 | 44 | 39 | 20 | 37 | 22 | 24 | 62 | 32 | 24 | 32 | 36 | 36 | 39 | 22 | 24 | 18 | 30 | 29 | 10 | 51 | 29 | 54 | 23 |
| 12/03/09 | 5 | 28 | 12 | 21 | 40 | 37 | 15 | 28 | 30 | 34 | 28 | 25 | 23 | 20 | 19 | 18 | 13 | 25 | 24 | 18 | 17 | 11 | 12 | 16 |
| 12/04/09 | 17 | 17 | 16 | 15 | 15 | 18 | 19 | 39 | 30 | 13 | 20 | 41 | 48 | 49 | 88 | 56 | 30 | 23 | 15 | 42 | 67 | 34 | 37 | 27 |
| 12/05/09 | 45 | 24 | 24 | 23 | 52 | 68 | 57 | 53 | 57 | 57 | 36 | 31 | 33 | 19 | 26 | 18 | 23 | 28 | 34 | 18 | 25 | 19 | 28 | 18 |
| 12/06/09 | 48 | 48 | 64 | 47 | 13 | 18 | 86 | 49 | 50 | 55 | 76 | 62 | 68 | 41 | 41 | 40 | 25 | 42 | 23 | 29 | 32 | 27 | 31 | 31 |
| 12/07/09 | 17 | 24 | 53 | 18 | 23 | 47 | 30 | 39 | 38 | 36 | 13 | 17 | 24 | 39 | 48 | 21 | 36 | 26 | 13 | 26 | 14 | 14 | 13 | 13 |
| 12/08/09 | 22 | 22 | 12 | 12 | 11 | 15 | 14 | 17 | 15 | 14 | 16 | 22 | 23 | 22 | 19 | 21 | 23 | 31 | 16 | 31 | 52 | 72 | 69 | 67 |
| 12/09/09 | 38 | 60 | 33 | 35 | 2 | 29 | 33 | 17 | 1 | 23 | 30 | 27 | 78 | 49 | 24 | 22 | 18 | 13 | 22 | 46 | 17 | 72 | 21 | 11 |
| 12/10/09 | 44 | 18 | 36 | 29 | 13 | 35 | 19 | 15 | 12 | 78 | 36 | 22 | 69 | 19 | 15 | 23 | 17 | 40 | 14 | 11 | 17 | 43 | 16 | 10 |
| 12/11/09 | 70 | 51 | 36 | 31 | 49 | 49 | 23 | 76 | 42 | 32 | 28 | 51 | 34 | 36 | 21 | 21 | 21 | 28 | 34 | 45 | 45 | 51 | 13 | 15 |
| 12/12/09 | 24 | 42 | 18 | 44 | 56 | 66 | 56 | 32 | 57 | 36 | 23 | 62 | 50 | 59 | 50 | 38 | 46 | 64 | 12 | 8 | 13 | 10 | 51 | 26 |
| 12/13/09 | 11 | 53 | 64 | 35 | 75 | 80 | 53 | 68 | 36 | 67 | 17 | 19 | 14 | 18 | 25 | 14 | 28 | 26 | 51 | 45 | 33 | 20 | 44 | 27 |
| 12/14/09 | 46 | 47 | 70 | 14 | 19 | 20 | 61 | 59 | 23 | 25 | 32 | 28 | 24 | 28 | 27 | 34 | 23 | 37 | 18 | 45 | 40 | 35 | 66 | 24 |
| 12/15/09 | 16 | 16 | 25 | 14 | 22 | 54 | 51 | 18 | 22 | 25 | 17 | 12 | 55 | 58 | 31 | 33 | 24 | 26 | 72 | 95 | 62 | 66 | 84 | 44 |
| 12/16/09 | 39 | 73 | 49 | 39 | 30 | 91 | 91 | 31 | 39 | 32 | 59 | 60 | 49 | 85 | 67 | 72 | 19 | 19 | 58 | 39 | 61 | 48 | 64 | 61 |
| 12/17/09 | 71 | 83 | 45 | 42 | 24 | 44 | 40 | 52 | 58 | 50 | 31 | 44 | 26 | 44 | 33 | 56 | 25 | 45 | 31 | 44 | 31 | 60 | 69 | 28 |
| 12/18/09 | 39 | 51 | 49 | 39 | 55 | 42 | 43 | 66 | 68 | 32 | 59 | 68 | 19 | 28 | 65 | 18 | 25 | 37 | 39 | 21 | 42 | 49 | 21 | 59 |
| 12/19/09 | 67 | 31 | 56 | 78 | 18 | 26 | 29 | 23 | 17 | 12 | 15 | 36 | 24 | 29 | 31 | 75 | 39 | 29 | 41 | 88 | 52 | 32 | 67 | 51 |
| 12/20/09 | 56 | 44 | 65 | 35 | 54 | 50 | 48 | 47 | 30 | 43 | 51 | 52 | 31 | 59 | 40 | 49 | 50 | 18 | 15 | 10 | 10 | 9 | 15 | |
| 12/21/09 | 13 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 17 | 29 | 32 | 41 | 54 | 26 | 21 | 16 | 12 | 44 | 8 | 49 | 28 | 38 | 26 | 17 |
| 12/22/09 | 48 | 21 | 56 | 55 | 58 | 64 | 32 | 88 | 52 | 31 | 54 | 29 | 16 | 13 | 13 | 25 | 46 | 39 | 34 | 50 | 14 | 22 | 19 | 56 |
| 12/23/09 | 83 | 50 | 37 | 18 | 53 | 59 | 38 | 33 | 19 | 46 | 35 | 35 | 34 | 55 | 39 | 21 | 16 | 25 | 87 | 57 | 37 | 59 | 55 | 55 |
| 12/24/09 | 53 | 49 | 23 | 37 | 62 | 28 | 38 | INV | 20 | 39 | 35 | 39 | 89 | 54 | 31 | 30 | 20 | 57 | 50 | 48 | 66 | 16 | 52 | 43 |
| 12/25/09 | 44 | 52 | 68 | 77 | 44 | 72 | 35 | 51 | 56 | 27 | 27 | 41 | 35 | 34 | 32 | 22 | 20 | 18 | 19 | 24 | 57 | 74 | 31 | 38 |
| 12/26/09 | 36 | 36 | 48 | 69 | 43 | 74 | 51 | 17 | 43 | 25 | 70 | 22 | 16 | 27 | 45 | 76 | 38 | 73 | 49 | 47 | 39 | 51 | 46 | 72 |
| 12/27/09 | 49 | 20 | 25 | 53 | 34 | 16 | 50 | 46 | 74 | 78 | 44 | 34 | 19 | 35 | 36 | 33 | 87 | 25 | 36 | 35 | 60 | 29 | 33 | 30 |
| 12/28/09 | 33 | 31 | 50 | 47 | 30 | 32 | 61 | 30 | 58 | 38 | 21 | 11 | 48 | 94 | 65 | 26 | 26 | 17 | 51 | 64 | 38 | 25 | 31 | 43 |
| 12/29/09 | 58 | 42 | 44 | 39 | 54 | 95 | 60 | 43 | 43 | 24 | 22 | 22 | 36 | 37 | 32 | 18 | 21 | 31 | 10 | 9 | 62 | 14 | 41 | 31 |
| 12/30/09 | 11 | 12 | 14 | 40 | 14 | 17 | 13 | 14 | 65 | 39 | 20 | 21 | 19 | 22 | 17 | 21 | 22 | 18 | 21 | 29 | 16 | 29 | 47 | 29 |
| 12/31/09 | 5 | 24 | 15 | 33 | 26 | 34 | 83 | 64 | 58 | 86 | 30 | 26 | 65 | 76 | 98 | 70 | 79 | 33 | 65 | 65 | 40 | 63 | 59 | |

Total Number of Observations: 743

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
OCTOBER 2009

10-METER TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 10/01/09 | 21.7 | 20.6 | 20.9 | 19.8 | 20.1 | 18.7 | 19.3 | 19.4 | 20.8 | 22.0 | 22.9 | 24.2 | 25.5 | 26.5 | 27.4 | 27.4 | 27.2 | 26.4 | 25.0 | 24.2 | 23.4 | 22.3 | 21.7 | 21.4 | 27.4 | 18.7 | 22.9 |
| 10/02/09 | 21.4 | 20.9 | 20.8 | 20.4 | 19.1 | 19.4 | 18.7 | 19.0 | 21.3 | 23.3 | 24.5 | 25.4 | 26.5 | 27.0 | 27.1 | 27.0 | 26.6 | 25.9 | 25.2 | 24.9 | 24.3 | 23.6 | 22.7 | 22.3 | 27.1 | 18.7 | 23.2 |
| 10/03/09 | 22.4 | 22.6 | 21.4 | 20.4 | 19.4 | 18.9 | 18.2 | 18.8 | 20.0 | 21.2 | 22.0 | 22.8 | 23.9 | 24.7 | 25.1 | 25.4 | 25.1 | 24.5 | 23.7 | 23.0 | 22.7 | 22.4 | 21.7 | 20.8 | 25.4 | 18.2 | 22.1 |
| 10/04/09 | 20.2 | 19.8 | 19.7 | 19.2 | 19.1 | 19.0 | 19.1 | 19.8 | 20.9 | 22.6 | 23.8 | 24.6 | 25.5 | 26.2 | 26.6 | 26.6 | 25.8 | 25.0 | 24.0 | 23.1 | 21.6 | 20.7 | 20.4 | 26.6 | 19.0 | 22.2 | |
| 10/05/09 | 20.1 | 19.4 | 18.6 | 18.1 | 17.8 | 17.4 | 17.4 | 17.4 | 17.9 | 18.9 | 19.6 | 20.3 | 20.3 | 20.7 | 21.8 | 22.2 | 22.0 | 21.4 | 20.4 | 19.7 | 19.2 | 18.6 | 18.4 | 18.2 | 22.2 | 17.4 | 19.4 |
| 10/06/09 | 18.1 | 17.6 | 17.0 | 17.2 | 17.6 | 18.8 | 18.9 | 19.1 | 20.5 | 21.8 | 22.6 | 23.1 | 23.6 | 24.1 | 24.4 | 24.7 | 24.5 | 23.8 | 23.0 | 22.4 | 22.1 | 21.6 | 19.9 | 19.8 | 24.7 | 17.0 | 21.1 |
| 10/07/09 | 19.4 | 18.9 | 18.8 | 18.1 | 18.4 | 17.8 | 17.4 | 17.9 | 19.2 | 19.1 | 19.0 | 19.7 | 20.3 | 21.3 | 21.3 | 21.7 | 21.8 | 21.2 | 19.9 | 18.8 | 18.2 | 18.0 | 17.6 | 17.5 | 21.8 | 17.4 | 19.2 |
| 10/08/09 | 17.1 | 16.8 | 16.3 | 16.2 | 15.1 | 15.2 | 14.8 | 14.8 | 16.0 | 17.1 | 18.5 | 19.5 | 20.5 | 20.8 | 21.2 | 21.2 | 21.0 | 20.6 | 19.9 | 19.6 | 19.4 | 18.9 | 18.2 | 17.3 | 21.2 | 14.8 | 18.2 |
| 10/09/09 | 17.2 | 17.6 | 17.4 | 16.3 | 16.3 | 16.1 | 16.0 | 15.9 | 17.7 | 19.8 | 21.1 | 22.5 | 22.9 | 23.6 | 24.1 | 24.3 | 24.1 | 23.4 | 22.2 | 21.8 | 21.2 | 19.7 | 20.5 | 20.1 | 24.3 | 15.9 | 20.1 |
| 10/10/09 | 19.9 | 19.6 | 20.1 | 19.7 | 18.8 | 19.6 | 19.2 | 19.2 | 20.8 | 23.3 | 24.8 | 25.5 | 26.0 | 26.3 | 26.1 | 25.6 | 24.9 | 24.1 | 23.3 | 22.6 | 21.5 | 21.5 | 21.9 | 26.6 | 18.8 | 22.5 | |
| 10/11/09 | 21.4 | 21.3 | 20.5 | 20.4 | 19.8 | 20.1 | 18.7 | 19.5 | 21.0 | 21.9 | 22.7 | 23.3 | 24.0 | 24.7 | 25.2 | 25.0 | 24.6 | 24.2 | 23.5 | 23.3 | 22.3 | 22.0 | 21.9 | 21.5 | 25.2 | 18.7 | 22.2 |
| 10/12/09 | 20.7 | 20.6 | 19.0 | 18.7 | 18.7 | 18.6 | 18.5 | 19.5 | 21.0 | 22.3 | 23.2 | 24.3 | 25.2 | 26.0 | 26.4 | 26.0 | 25.2 | 24.4 | 23.7 | 22.9 | 21.9 | 21.2 | 20.4 | 26.4 | 18.2 | 21.9 | |
| 10/13/09 | 19.8 | 19.0 | 18.0 | 17.2 | 16.8 | 16.5 | 16.5 | 16.5 | 17.0 | 17.9 | 19.2 | 20.7 | 21.9 | 22.9 | 23.6 | 23.6 | 23.4 | 22.8 | 22.3 | 22.0 | 21.3 | 21.0 | 20.7 | 20.3 | 23.6 | 16.5 | 20.0 |
| 10/14/09 | 19.8 | 19.7 | 19.5 | 18.9 | 18.2 | 18.0 | 17.6 | 18.2 | 19.9 | 21.9 | 23.0 | 23.8 | 24.5 | 24.9 | 25.3 | 25.7 | 25.5 | 24.6 | 23.5 | 23.0 | 22.7 | 22.1 | 21.2 | 20.7 | 25.7 | 17.6 | 21.8 |
| 10/15/09 | 21.3 | 20.7 | 20.1 | 19.9 | 19.8 | 20.0 | 19.5 | 19.6 | 21.3 | 23.7 | 25.9 | 26.8 | 27.3 | 27.9 | 28.3 | 28.4 | 28.1 | 27.2 | 26.3 | 25.9 | 25.0 | 25.1 | 25.4 | 24.9 | 28.4 | 19.5 | 24.1 |
| 10/16/09 | 23.6 | 24.0 | 23.8 | 23.1 | 22.7 | 23.1 | 22.8 | 23.2 | 24.9 | 27.7 | 29.2 | 30.2 | 31.5 | 32.2 | 32.8 | 33.0 | 32.9 | 32.4 | 31.6 | 30.1 | 30.1 | 29.7 | 30.7 | 30.7 | 33.0 | 22.7 | 28.2 |
| 10/17/09 | 29.7 | 29.0 | 28.3 | 27.9 | 26.5 | 26.2 | 25.8 | 26.8 | 28.3 | 29.5 | 30.4 | 31.2 | 31.7 | 32.6 | 33.2 | 33.4 | 33.2 | 32.5 | 31.5 | 30.7 | 30.2 | 29.5 | 28.8 | 28.3 | 33.4 | 25.8 | 29.8 |
| 10/18/09 | 27.9 | 27.5 | 26.8 | 26.3 | 25.7 | 25.3 | 24.9 | 24.8 | 25.7 | 27.2 | 28.5 | 29.8 | 30.6 | 31.3 | 31.8 | 32.0 | 31.4 | 30.4 | 30.0 | 29.3 | 28.1 | 28.2 | 27.3 | 26.9 | 32.0 | 24.8 | 28.2 |
| 10/19/09 | 26.3 | 25.8 | 25.2 | 24.5 | 24.2 | 23.9 | 23.4 | 23.1 | 24.3 | 25.4 | 26.2 | 27.1 | 27.6 | 27.9 | 28.7 | 28.8 | 28.7 | 28.1 | 27.0 | 26.2 | 25.8 | 24.9 | 24.0 | 23.1 | 28.8 | 23.1 | 25.8 |
| 10/20/09 | 22.4 | 21.8 | 21.5 | 20.9 | 20.5 | 20.3 | 19.8 | 19.1 | 18.7 | 18.4 | 19.8 | 19.9 | 20.4 | 20.7 | 20.6 | 20.5 | 20.2 | 19.6 | 19.0 | 18.2 | 17.7 | 17.3 | 17.4 | 17.4 | 22.4 | 17.3 | 19.7 |
| 10/21/09 | 16.4 | 15.8 | 15.8 | 15.2 | 15.4 | 15.3 | 15.1 | 14.4 | 16.2 | 17.9 | 19.2 | 19.8 | 20.7 | 21.6 | 22.1 | 22.0 | 21.7 | 21.1 | 20.4 | 20.2 | 20.2 | 18.8 | 18.5 | 18.7 | 22.1 | 14.4 | 18.4 |
| 10/22/09 | 18.1 | 18.4 | 17.8 | 18.0 | 18.0 | 17.4 | 16.4 | 17.1 | 18.6 | 20.4 | 21.7 | 22.6 | 23.2 | 23.7 | 23.8 | 23.8 | 23.5 | 22.6 | 21.7 | 21.4 | 21.2 | 21.1 | 20.1 | 19.5 | 23.8 | 16.4 | 20.4 |
| 10/23/09 | 19.5 | 20.1 | 19.4 | 19.1 | 18.7 | 18.1 | 18.2 | 18.5 | 20.4 | 22.0 | 23.0 | 23.9 | 24.7 | 25.4 | 25.6 | 25.5 | 25.0 | 23.8 | 22.9 | 22.6 | 21.7 | 20.8 | 20.6 | 20.0 | 25.6 | 18.1 | 21.6 |
| 10/24/09 | 20.0 | 20.1 | 19.6 | 19.7 | 18.8 | 18.7 | 17.7 | 17.7 | 19.1 | 20.9 | 22.3 | 23.5 | 24.2 | 24.7 | 25.1 | 25.3 | 25.0 | 24.2 | 23.0 | 22.6 | 22.7 | 21.4 | 21.7 | 21.5 | 25.3 | 17.7 | 21.6 |
| 10/25/09 | 21.3 | 21.2 | 21.2 | 20.8 | 20.4 | 20.1 | 19.9 | 19.3 | 20.7 | 22.2 | 23.2 | 24.4 | 24.9 | 25.2 | 25.7 | 25.8 | 25.6 | 24.6 | 23.5 | 23.5 | 23.1 | 22.3 | 21.4 | 21.4 | 25.8 | 19.3 | 22.6 |
| 10/26/09 | 21.4 | 21.5 | 21.2 | 20.6 | 19.3 | 18.3 | 18.0 | 17.9 | 18.3 | 18.0 | 19.0 | 20.6 | 22.0 | 23.3 | 23.9 | 24.3 | 24.5 | 23.7 | 22.8 | 20.9 | 20.2 | 19.6 | 19.3 | 19.0 | 24.5 | 17.9 | 20.7 |
| 10/27/09 | 19.1 | 19.2 | 18.9 | 18.1 | 17.9 | 17.6 | 16.9 | 16.9 | 17.4 | 19.1 | 20.0 | 21.2 | 22.5 | 24.0 | 24.4 | 24.6 | 24.2 | 23.4 | 22.7 | 21.7 | 21.0 | 19.2 | 17.7 | 15.9 | 24.6 | 15.9 | 20.1 |
| 10/28/09 | 14.4 | 13.3 | 12.1 | 11.1 | 10.1 | 8.4 | 7.0 | 6.5 | 7.5 | 8.3 | 9.0 | 9.4 | 9.6 | 10.0 | 9.8 | 9.4 | 9.4 | 9.1 | 8.4 | 7.9 | 7.5 | 7.0 | 6.9 | 6.8 | 14.4 | 6.5 | 9.1 |
| 10/29/09 | 6.5 | 6.4 | 6.2 | 5.5 | 5.6 | 5.5 | 4.7 | 5.0 | 6.5 | 8.0 | 9.0 | 10.1 | 10.6 | 10.9 | 11.2 | 11.3 | 11.5 | 11.0 | 10.4 | 10.1 | 9.9 | 9.7 | 9.4 | 9.4 | 11.5 | 4.7 | 8.5 |
| 10/30/09 | 9.2 | 8.3 | 8.5 | 8.6 | 7.8 | 7.0 | 7.1 | 7.3 | 8.5 | 10.6 | 11.9 | 12.5 | 13.4 | 14.2 | 15.1 | 15.4 | 15.0 | 14.4 | 13.8 | 12.9 | 12.7 | 12.4 | 13.7 | 13.9 | 15.4 | 7.0 | 11.4 |
| 10/31/09 | 13.9 | 15.7 | 15.4 | 15.1 | 14.6 | 14.6 | 15.3 | 15.6 | 17.4 | 17.9 | 18.2 | 20.0 | 21.8 | 23.0 | 24.3 | 24.7 | 24.4 | 23.7 | 22.1 | 21.4 | 21.5 | 20.3 | 20.2 | 20.2 | 24.7 | 13.9 | 19.2 |

Hourly Averages

19.7 19.4 19.0 18.5 18.1 17.9 17.5 17.6 18.9 20.2 21.3 22.3 23.1 23.8 24.2 24.4 24.1 23.4 22.5 21.9 21.4 20.7 20.3 20.0

Maximum Hourly Temperature: 33.4

Minimum Hourly Temperature: 4.7

Average Monthly Temperature: 20.9

Maximum 24-Hour Mean: 29.8

Minimum 24-Hour Mean: 8.5

Total Number of Observations: 744

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

OCTOBER 2009

2-METER TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 10/01/09 | 19.8 | 19.6 | 19.3 | 19.1 | 19.4 | 18.3 | 18.8 | 19.3 | 21.5 | 23.2 | 24.1 | 25.4 | 26.6 | 27.7 | 28.4 | 28.3 | 27.9 | 26.8 | 24.9 | 23.7 | 22.2 | 21.0 | 20.7 | 20.3 | 28.4 | 18.3 | 22.8 |
| 10/02/09 | 19.8 | 19.5 | 19.0 | 18.7 | 17.8 | 18.1 | 18.0 | 18.6 | 21.8 | 24.1 | 25.5 | 26.4 | 27.5 | 28.0 | 28.1 | 28.0 | 27.3 | 26.2 | 25.3 | 24.9 | 24.0 | 23.5 | 22.7 | 22.4 | 28.1 | 17.8 | 23.1 |
| 10/03/09 | 22.5 | 22.5 | 21.3 | 20.4 | 19.5 | 18.8 | 18.2 | 19.2 | 20.8 | 22.2 | 23.1 | 24.1 | 25.2 | 26.1 | 26.1 | 26.5 | 26.0 | 25.1 | 23.9 | 23.0 | 22.6 | 22.3 | 21.7 | 20.9 | 26.5 | 18.2 | 22.6 |
| 10/04/09 | 20.3 | 19.9 | 19.8 | 19.4 | 19.2 | 19.1 | 19.2 | 19.5 | 20.2 | 21.7 | 23.7 | 25.2 | 25.9 | 26.8 | 27.5 | 27.7 | 27.3 | 26.1 | 25.0 | 23.9 | 22.9 | 21.3 | 20.4 | 20.2 | 27.7 | 19.1 | 22.6 |
| 10/05/09 | 19.8 | 19.2 | 18.2 | 17.9 | 17.5 | 17.0 | 17.3 | 17.6 | 18.4 | 19.5 | 20.4 | 21.4 | 21.1 | 21.8 | 22.9 | 23.1 | 22.6 | 21.8 | 20.4 | 19.5 | 18.9 | 18.3 | 18.1 | 17.9 | 23.1 | 17.0 | 19.6 |
| 10/06/09 | 17.7 | 17.3 | 16.8 | 16.7 | 17.3 | 18.6 | 18.6 | 19.1 | 21.1 | 22.5 | 23.5 | 24.2 | 24.5 | 25.2 | 25.3 | 25.6 | 25.2 | 24.2 | 23.0 | 22.4 | 21.4 | 21.0 | 19.6 | 18.9 | 25.6 | 16.7 | 21.2 |
| 10/07/09 | 18.5 | 18.3 | 18.2 | 17.9 | 18.0 | 17.3 | 16.9 | 17.6 | 19.8 | 19.7 | 20.5 | 21.2 | 22.5 | 22.1 | 22.4 | 22.3 | 21.5 | 20.0 | 18.8 | 18.0 | 17.7 | 17.3 | 16.9 | 22.5 | 16.9 | 19.3 | |
| 10/08/09 | 16.7 | 16.6 | 15.9 | 15.6 | 14.7 | 14.8 | 14.4 | 14.7 | 16.6 | 17.9 | 19.3 | 20.5 | 21.5 | 21.9 | 22.3 | 22.1 | 21.6 | 20.9 | 19.7 | 19.0 | 18.4 | 17.7 | 17.1 | 16.6 | 22.3 | 14.4 | 18.2 |
| 10/09/09 | 16.3 | 16.4 | 16.3 | 15.5 | 15.5 | 15.4 | 15.4 | 15.6 | 18.2 | 20.5 | 22.0 | 23.4 | 24.1 | 24.6 | 25.0 | 25.1 | 24.8 | 23.7 | 22.0 | 21.1 | 20.2 | 19.1 | 19.1 | 18.9 | 25.1 | 15.4 | 19.9 |
| 10/10/09 | 19.0 | 18.8 | 19.6 | 19.3 | 18.3 | 19.3 | 18.9 | 19.1 | 21.2 | 24.2 | 26.0 | 26.8 | 27.4 | 27.3 | 27.5 | 26.7 | 26.0 | 25.1 | 23.9 | 22.6 | 21.5 | 20.6 | 20.7 | 20.9 | 27.5 | 18.3 | 22.5 |
| 10/11/09 | 20.5 | 19.8 | 19.4 | 19.8 | 19.1 | 19.5 | 18.2 | 19.2 | 21.7 | 22.7 | 23.9 | 24.7 | 25.4 | 26.1 | 26.5 | 26.2 | 25.3 | 24.6 | 23.5 | 22.9 | 21.6 | 21.4 | 21.3 | 20.8 | 26.5 | 18.2 | 22.2 |
| 10/12/09 | 20.1 | 19.9 | 18.6 | 18.3 | 18.2 | 18.1 | 17.8 | 18.5 | 20.1 | 22.1 | 23.5 | 24.5 | 25.6 | 26.5 | 27.2 | 27.3 | 26.5 | 25.5 | 24.3 | 23.6 | 23.0 | 22.0 | 21.3 | 20.5 | 27.3 | 17.8 | 22.2 |
| 10/13/09 | 19.9 | 19.2 | 18.2 | 17.4 | 17.0 | 16.7 | 16.6 | 16.7 | 17.4 | 18.3 | 19.9 | 21.9 | 23.2 | 23.9 | 24.7 | 24.4 | 24.0 | 23.1 | 22.4 | 21.8 | 20.7 | 20.6 | 20.1 | 19.5 | 24.7 | 16.6 | 20.3 |
| 10/14/09 | 19.0 | 18.7 | 18.2 | 17.8 | 17.4 | 17.4 | 17.1 | 17.7 | 20.6 | 22.7 | 24.0 | 25.0 | 25.5 | 25.9 | 26.3 | 26.6 | 26.2 | 24.9 | 23.5 | 22.7 | 21.8 | 21.2 | 20.4 | 19.9 | 26.6 | 17.1 | 21.7 |
| 10/15/09 | 20.2 | 19.8 | 19.2 | 18.9 | 19.2 | 19.5 | 18.9 | 19.3 | 21.7 | 24.5 | 26.7 | 27.9 | 28.3 | 28.9 | 29.2 | 29.1 | 28.7 | 27.4 | 26.2 | 25.0 | 24.0 | 24.0 | 24.7 | 24.4 | 29.2 | 18.9 | 24.0 |
| 10/16/09 | 22.8 | 22.9 | 23.3 | 21.9 | 21.7 | 22.1 | 22.1 | 22.3 | 25.3 | 28.3 | 30.1 | 31.4 | 32.4 | 33.2 | 33.7 | 33.7 | 33.3 | 32.5 | 31.2 | 29.6 | 29.5 | 29.2 | 30.4 | 30.4 | 33.7 | 21.7 | 28.1 |
| 10/17/09 | 29.5 | 28.8 | 28.1 | 27.7 | 26.2 | 25.8 | 25.3 | 26.6 | 28.7 | 30.1 | 31.2 | 32.4 | 33.1 | 33.9 | 34.1 | 34.2 | 33.6 | 32.6 | 31.4 | 30.6 | 30.1 | 29.4 | 28.7 | 28.3 | 34.2 | 25.3 | 30.0 |
| 10/18/09 | 27.9 | 27.4 | 26.7 | 26.3 | 25.7 | 25.2 | 24.8 | 24.9 | 26.0 | 27.8 | 29.6 | 31.0 | 32.0 | 32.3 | 32.8 | 32.8 | 31.9 | 30.5 | 29.9 | 28.7 | 27.3 | 27.6 | 26.5 | 26.2 | 32.8 | 24.8 | 28.4 |
| 10/19/09 | 25.6 | 25.2 | 24.7 | 23.8 | 23.5 | 23.1 | 22.7 | 22.6 | 24.9 | 26.4 | 27.5 | 28.4 | 28.8 | 29.0 | 29.8 | 29.8 | 29.3 | 28.2 | 26.8 | 25.9 | 25.4 | 24.7 | 23.6 | 22.7 | 29.8 | 22.6 | 25.9 |
| 10/20/09 | 22.2 | 21.6 | 20.9 | 20.1 | 19.9 | 19.5 | 19.2 | 19.0 | 18.9 | 18.8 | 20.7 | 21.0 | 21.4 | 21.9 | 21.7 | 21.4 | 20.7 | 19.8 | 19.0 | 18.1 | 17.5 | 16.8 | 16.2 | 16.5 | 22.2 | 16.2 | 19.7 |
| 10/21/09 | 15.5 | 15.2 | 15.5 | 14.7 | 14.9 | 14.9 | 14.8 | 14.3 | 16.7 | 18.5 | 20.1 | 20.7 | 21.6 | 22.6 | 23.0 | 22.9 | 22.2 | 21.3 | 20.2 | 19.7 | 19.7 | 18.2 | 17.7 | 17.6 | 23.0 | 14.3 | 18.4 |
| 10/22/09 | 17.2 | 17.1 | 16.8 | 16.7 | 17.1 | 16.7 | 15.8 | 16.7 | 19.1 | 21.1 | 22.4 | 23.6 | 24.3 | 24.8 | 24.8 | 24.6 | 24.0 | 22.7 | 21.6 | 21.0 | 20.6 | 19.2 | 18.7 | 24.8 | 15.8 | 20.3 | |
| 10/23/09 | 18.7 | 19.5 | 18.7 | 18.4 | 18.1 | 17.6 | 17.4 | 18.1 | 20.8 | 22.9 | 24.0 | 24.6 | 25.9 | 26.5 | 26.6 | 26.1 | 25.5 | 23.8 | 22.7 | 21.9 | 20.7 | 19.9 | 19.5 | 19.2 | 26.6 | 17.4 | 21.5 |
| 10/24/09 | 18.6 | 18.6 | 18.1 | 18.1 | 17.7 | 17.2 | 16.6 | 17.1 | 19.5 | 21.6 | 23.2 | 24.4 | 25.2 | 25.7 | 26.1 | 26.1 | 25.5 | 24.3 | 22.9 | 21.5 | 20.9 | 20.3 | 20.7 | 20.3 | 26.1 | 16.6 | 21.3 |
| 10/25/09 | 20.3 | 20.1 | 20.4 | 20.0 | 19.6 | 19.0 | 19.3 | 18.7 | 21.2 | 22.8 | 23.9 | 25.4 | 25.7 | 26.3 | 26.8 | 26.6 | 26.1 | 24.7 | 22.9 | 22.8 | 22.2 | 21.2 | 21.2 | 21.2 | 26.8 | 18.7 | 22.5 |
| 10/26/09 | 21.3 | 21.3 | 21.0 | 20.4 | 19.2 | 18.2 | 17.9 | 17.8 | 18.6 | 18.7 | 20.1 | 21.6 | 23.3 | 24.4 | 25.0 | 25.1 | 24.7 | 23.6 | 22.5 | 20.0 | 19.3 | 19.0 | 18.6 | 18.1 | 25.1 | 17.8 | 20.8 |
| 10/27/09 | 18.4 | 18.5 | 18.4 | 17.8 | 17.5 | 17.3 | 16.6 | 16.7 | 18.0 | 19.8 | 20.7 | 22.2 | 23.7 | 25.1 | 25.2 | 25.0 | 24.4 | 23.4 | 22.7 | 21.7 | 21.0 | 19.2 | 17.8 | 16.0 | 25.2 | 16.0 | 20.3 |
| 10/28/09 | 14.5 | 13.5 | 12.2 | 11.2 | 10.2 | 8.4 | 7.0 | 6.6 | 8.1 | 9.1 | 10.1 | 10.5 | 10.8 | 11.0 | 10.6 | 9.9 | 9.8 | 9.2 | 8.3 | 7.8 | 7.3 | 6.7 | 6.3 | 6.1 | 14.5 | 6.1 | 9.4 |
| 10/29/09 | 5.7 | 5.5 | 5.3 | 4.7 | 4.8 | 5.0 | 4.3 | 4.6 | 7.0 | 8.7 | 9.8 | 11.1 | 11.5 | 12.0 | 12.2 | 12.3 | 12.1 | 11.2 | 10.3 | 9.8 | 9.4 | 8.8 | 8.3 | 8.2 | 12.3 | 4.3 | 8.4 |
| 10/30/09 | 7.8 | 7.7 | 7.9 | 8.2 | 7.4 | 6.5 | 6.6 | 7.1 | 9.0 | 11.5 | 13.2 | 13.5 | 14.3 | 15.2 | 16.0 | 15.9 | 15.4 | 14.4 | 13.7 | 12.5 | 12.0 | 11.6 | 13.1 | 13.0 | 16.0 | 6.5 | 11.4 |
| 10/31/09 | 13.3 | 15.4 | 15.2 | 14.8 | 14.3 | 14.3 | 15.0 | 15.4 | 17.7 | 18.5 | 19.0 | 20.9 | 22.6 | 23.8 | 25.0 | 25.4 | 24.7 | 23.5 | 21.7 | 21.0 | 21.1 | 19.8 | 19.1 | 19.6 | 25.4 | 13.3 | 19.2 |

Hourly Averages

19.0 18.8 18.4 18.0 17.6 17.4 17.1 17.4 19.4 21.0 22.3 23.4 24.2 24.9 25.2 25.2 24.7 23.6 22.4 21.5 20.8 20.2 19.7 19.4

Maximum Hourly Temperature: 34.2

Minimum Hourly Temperature: 4.3

Average Monthly Temperature: 20.9

Maximum 24-Hour Mean: 30.0

Minimum 24-Hour Mean: 8.4

Total Number of Observations: 744

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

OCTOBER 2009

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 |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|
| 10/01/09 | 1.917 | 0.976 | 1.548 | 0.727 | 0.693 | 0.488 | 0.563 | 0.088 | -0.706 | -1.198 | -1.204 | -1.211 | -1.169 | -1.206 | -1.017 | -0.951 | -0.741 | -0.337 | 0.074 | 0.476 | 1.240 | 1.337 | 0.998 | 1.131 | 1.917 | -1.211 | 0.105 | |
| 10/02/09 | 1.598 | 1.384 | 1.777 | 1.697 | 1.318 | 1.264 | 0.684 | 0.388 | -0.564 | -0.832 | -0.991 | -1.044 | -1.024 | -0.995 | -1.062 | -0.994 | -0.720 | -0.279 | -0.086 | -0.053 | 0.272 | 0.087 | -0.064 | -0.060 | 1.777 | -1.062 | 0.071 | |
| 10/03/09 | -0.030 | 0.041 | 0.009 | 0.004 | -0.074 | 0.106 | 0.018 | -0.381 | -0.769 | -0.973 | -1.091 | -1.347 | -1.228 | -1.428 | -1.074 | -1.070 | -0.936 | -0.528 | -0.166 | -0.016 | 0.092 | 0.097 | 0.000 | -0.096 | 0.106 | -1.428 | -0.452 | |
| 10/04/09 | -0.103 | -0.065 | -0.143 | -0.191 | -0.171 | -0.139 | -0.183 | -0.387 | -0.450 | -0.821 | -1.182 | -1.416 | -1.329 | -1.334 | -1.277 | -1.061 | -0.688 | -0.288 | -0.019 | 0.115 | 0.140 | 0.223 | 0.270 | 0.245 | 0.270 | -1.416 | -0.427 | |
| 10/05/09 | 0.263 | 0.197 | 0.385 | 0.167 | 0.256 | 0.447 | 0.157 | -0.212 | -0.511 | -0.602 | -0.777 | -1.044 | -0.860 | -1.066 | -1.140 | -0.955 | -0.652 | -0.320 | 0.048 | 0.225 | 0.325 | 0.310 | 0.270 | 0.326 | 0.447 | -1.140 | -0.198 | |
| 10/06/09 | 0.390 | 0.283 | 0.221 | 0.447 | 0.267 | 0.183 | 0.283 | -0.009 | -0.663 | -0.650 | -0.958 | -1.100 | -0.960 | -1.112 | -0.946 | -0.878 | -0.759 | -0.388 | -0.087 | 0.044 | 0.704 | 0.542 | 0.255 | 0.861 | 0.861 | -1.112 | -0.168 | |
| 10/07/09 | 0.876 | 0.669 | 0.509 | 0.222 | 0.445 | 0.452 | 0.440 | 0.291 | -0.584 | -0.617 | -0.659 | -0.803 | -0.913 | -1.244 | -0.815 | -0.783 | -0.542 | -0.309 | -0.052 | 0.049 | 0.190 | 0.312 | 0.370 | 0.607 | 0.876 | -1.244 | -0.079 | |
| 10/08/09 | 0.486 | 0.221 | 0.433 | 0.592 | 0.381 | 0.443 | 0.380 | 0.057 | -0.581 | -0.804 | -0.798 | -1.021 | -1.020 | -1.163 | -1.110 | -0.906 | -0.680 | -0.301 | 0.152 | 0.644 | 1.016 | 1.148 | 1.078 | 0.684 | 1.148 | -1.163 | -0.028 | |
| 10/09/09 | 0.812 | 1.136 | 1.117 | 0.823 | 0.818 | 0.739 | 0.553 | 0.230 | -0.494 | -0.726 | -0.929 | -0.947 | -1.124 | -0.990 | -0.983 | -0.882 | -0.703 | -0.262 | 0.216 | 0.729 | 1.079 | 0.592 | 1.478 | 1.213 | 1.478 | -1.124 | 0.146 | |
| 10/10/09 | 0.897 | 0.731 | 0.527 | 0.450 | 0.577 | 0.302 | 0.362 | 0.043 | -0.417 | -0.949 | -1.249 | -1.256 | -1.362 | -0.979 | -0.868 | -0.612 | -0.400 | -0.171 | 0.113 | 0.715 | 1.022 | 0.923 | 0.816 | 0.976 | 1.022 | -1.362 | 0.008 | |
| 10/11/09 | 0.899 | 1.428 | 1.078 | 0.601 | 0.670 | 0.631 | 0.479 | 0.281 | -0.706 | -0.819 | -1.210 | -1.357 | -1.406 | -1.397 | -1.278 | -1.124 | -0.763 | -0.307 | -0.039 | 0.387 | 0.729 | 0.580 | 0.571 | 0.680 | 1.428 | -1.406 | -0.058 | |
| 10/12/09 | 0.658 | 0.793 | 0.457 | 0.446 | 0.452 | 0.445 | 0.370 | -0.011 | -0.593 | -1.049 | -1.183 | -1.280 | -1.325 | -1.277 | -1.140 | -0.888 | -0.532 | -0.226 | 0.060 | 0.047 | -0.049 | -0.120 | -0.067 | -0.052 | 0.793 | -1.325 | -0.253 | |
| 10/13/09 | -0.132 | -0.194 | -0.202 | -0.233 | -0.207 | -0.170 | -0.107 | -0.177 | -0.346 | -0.467 | -0.748 | -1.199 | -1.312 | -1.091 | -1.071 | -0.775 | -0.644 | -0.298 | -0.050 | 0.168 | 0.592 | 0.455 | 0.545 | 0.796 | 0.796 | -1.312 | -0.286 | |
| 10/14/09 | 0.848 | 1.035 | 1.296 | 1.124 | 0.807 | 0.664 | 0.542 | 0.502 | -0.623 | -0.805 | -1.049 | -1.200 | -1.058 | -1.018 | -1.048 | -0.821 | -0.707 | -0.252 | 0.021 | 0.234 | 0.889 | 0.901 | 0.757 | 0.755 | 1.296 | -1.200 | 0.075 | |
| 10/15/09 | 1.004 | 0.921 | 0.962 | 0.940 | 0.548 | 0.446 | 0.589 | 0.320 | -0.402 | -0.765 | -0.865 | -1.080 | -0.965 | -0.948 | -0.899 | -0.784 | -0.593 | -0.183 | 0.065 | 0.863 | 0.993 | 1.046 | 0.723 | 0.523 | 1.046 | -1.080 | 0.102 | |
| 10/16/09 | 0.740 | 1.063 | 0.565 | 1.184 | 0.966 | 1.002 | 0.727 | 0.852 | -0.391 | -0.590 | -0.897 | -1.248 | -0.926 | -1.024 | -0.894 | -0.681 | -0.466 | -0.046 | 0.349 | 0.496 | 0.626 | 0.467 | 0.308 | 0.254 | 1.184 | -1.248 | 0.102 | |
| 10/17/09 | 0.218 | 0.209 | 0.194 | 0.254 | 0.310 | 0.455 | 0.491 | 0.195 | -0.357 | -0.633 | -0.885 | -1.190 | -1.347 | -1.292 | -0.988 | -0.769 | -0.425 | -0.127 | 0.055 | 0.139 | 0.131 | 0.063 | 0.057 | 0.019 | 0.491 | -1.347 | -0.218 | |
| 10/18/09 | 0.045 | 0.055 | 0.041 | 0.038 | 0.053 | 0.050 | 0.025 | -0.061 | -0.279 | -0.548 | -1.054 | -1.197 | -1.400 | -1.000 | -0.973 | -0.788 | -0.529 | -0.109 | 0.127 | 0.623 | 0.715 | 0.571 | 0.746 | 0.746 | -1.400 | -0.172 | | |
| 10/19/09 | 0.716 | 0.583 | 0.548 | 0.672 | 0.666 | 0.883 | 0.690 | 0.425 | -0.556 | -0.968 | -1.270 | -1.301 | -1.254 | -1.080 | -1.121 | -0.923 | -0.580 | -0.100 | 0.196 | 0.345 | 0.356 | 0.233 | 0.400 | 0.401 | 0.883 | -1.301 | -0.085 | |
| 10/20/09 | 0.282 | 0.272 | 0.656 | 0.740 | 0.585 | 0.887 | 0.520 | 0.083 | -0.185 | -0.408 | -0.935 | -1.045 | -0.963 | -1.177 | -1.058 | -0.827 | -0.554 | -0.201 | 0.026 | 0.125 | 0.218 | 0.469 | 1.147 | 0.885 | 1.147 | -1.177 | -0.019 | |
| 10/21/09 | 0.913 | 0.644 | 0.350 | 0.501 | 0.453 | 0.409 | 0.267 | 0.138 | -0.497 | -0.592 | -0.922 | -0.935 | -0.923 | -1.015 | -0.885 | -0.836 | -0.509 | -0.165 | 0.169 | 0.456 | 0.484 | 0.633 | 0.795 | 1.104 | 1.104 | -1.015 | 0.002 | |
| 10/22/09 | 0.846 | 1.219 | 0.941 | 1.336 | 0.882 | 0.777 | 0.563 | 0.421 | -0.513 | -0.709 | -0.699 | -1.053 | -1.120 | -1.087 | -0.960 | -0.843 | -0.546 | -0.085 | 0.095 | 0.353 | 0.670 | 0.520 | 0.855 | 0.840 | 1.336 | -1.120 | 0.113 | |
| 10/23/09 | 0.815 | 0.617 | 0.731 | 0.756 | 0.571 | 0.505 | 0.771 | 0.383 | -0.439 | -0.871 | -0.960 | -0.698 | -1.240 | -1.092 | -0.931 | -0.688 | -0.450 | -0.014 | 0.200 | 0.691 | 0.985 | 0.883 | 1.170 | 0.823 | 1.170 | -1.240 | 0.105 | |
| 10/24/09 | 1.421 | 1.483 | 1.532 | 1.559 | 1.071 | 1.564 | 1.055 | 0.640 | -0.358 | -0.694 | -0.863 | -0.881 | -0.994 | -1.020 | -1.016 | -0.794 | -0.497 | -0.101 | 0.160 | 1.063 | 1.801 | 1.057 | 1.066 | 1.201 | 1.801 | -1.020 | 0.394 | |
| 10/25/09 | 0.923 | 1.061 | 0.762 | 0.811 | 0.804 | 1.127 | 0.680 | 0.649 | -0.452 | -0.553 | -0.653 | -0.959 | -0.842 | -1.055 | -1.062 | -0.813 | -0.488 | -0.029 | 0.547 | 0.682 | 0.226 | 0.160 | 0.191 | 0.167 | 1.127 | -1.062 | 0.078 | |
| 10/26/09 | 0.149 | 0.125 | 0.192 | 0.152 | 0.123 | 0.104 | 0.115 | 0.063 | -0.340 | -0.764 | -1.068 | -1.042 | -1.275 | -1.101 | -1.081 | -0.793 | -0.261 | 0.092 | 0.288 | 0.882 | 0.952 | 0.610 | 0.721 | 0.978 | 0.978 | -1.275 | -0.091 | |
| 10/27/09 | 0.658 | 0.642 | 0.542 | 0.290 | 0.337 | 0.344 | 0.313 | 0.169 | -0.586 | -0.717 | -0.763 | -0.984 | -1.191 | -1.037 | -0.810 | -0.349 | -0.189 | -0.027 | 0.023 | 0.010 | -0.010 | -0.017 | -0.074 | -0.080 | 0.658 | -1.191 | -0.146 | |
| 10/28/09 | -0.090 | -0.127 | -0.139 | -0.134 | -0.104 | -0.005 | 0.016 | -0.082 | -0.560 | -0.752 | -1.120 | -1.128 | -1.203 | -1.033 | -0.795 | -0.547 | -0.417 | -0.135 | 0.096 | 0.142 | 0.174 | 0.364 | 0.570 | 0.679 | 0.679 | -1.203 | -0.264 | |
| 10/29/09 | 0.795 | 0.897 | 0.888 | 0.722 | 0.758 | 0.465 | 0.401 | 0.352 | -0.440 | -0.687 | -0.790 | -1.022 | -0.925 | -1.122 | -1.019 | -0.970 | -0.630 | -0.186 | 0.138 | 0.309 | 0.487 | 0.881 | 1.034 | 1.181 | 1.181 | -1.122 | 0.063 | |
| 10/30/09 | 1.322 | 0.670 | 0.547 | 0.402 | 0.411 | 0.489 | 0.490 | 0.192 | -0.465 | -0.911 | -1.305 | -1.023 | -0.955 | -0.964 | -0.855 | -0.523 | -0.358 | -0.045 | 0.115 | 0.372 | 0.784 | 0.852 | 0.591 | 0.856 | 1.322 | -1.305 | 0.029 | |
| 10/31/09 | 0.594 | 0.305 | 0.253 | 0.273 | 0.256 | 0.323 | 0.274 | 0.194 | -0.341 | -0.593 | -0.817 | -0.871 | -0.835 | -0.834 | -0.722 | -0.659 | -0.279 | 0.158 | 0.438 | 0.383 | 0.424 | 0.541 | 1.120 | 0.673 | 1.120 | -0.871 | 0.011 | |

Hourly Averages Maximum Hourly Differential Temperature: 1.917 Minimum Hourly Differential Temperature: -1.428

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

NOVEMBER 2009

10-METER TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 11/01/09 | 19.5 | 21.0 | 19.8 | 19.7 | 19.0 | 18.9 | 18.9 | 20.3 | 21.4 | 22.3 | 23.7 | 25.3 | 26.5 | 26.6 | 26.7 | 26.5 | 25.2 | 24.2 | 22.9 | 21.9 | 21.6 | 21.7 | 21.2 | 26.7 | 18.8 | 22.2 | |
| 11/02/09 | 21.3 | 21.1 | 21.4 | 19.9 | 20.3 | 19.8 | 18.5 | 19.7 | 19.9 | 22.6 | 25.2 | 27.0 | 27.6 | 27.8 | 28.2 | 28.4 | 27.9 | 26.3 | 25.2 | 24.2 | 23.6 | 24.3 | 25.0 | 23.9 | 28.4 | 18.5 | 23.7 |
| 11/03/09 | 24.4 | 24.3 | 24.2 | 24.0 | 23.6 | 23.6 | 22.7 | 23.4 | 25.0 | 25.9 | 26.6 | 27.9 | 28.6 | 29.6 | 30.5 | 30.5 | 30.3 | 29.0 | 27.8 | 27.3 | 27.1 | 26.0 | 24.6 | 25.3 | 30.5 | 22.7 | 26.3 |
| 11/04/09 | 25.2 | 24.8 | 24.1 | 23.9 | 23.9 | 24.0 | 23.6 | 23.3 | 23.9 | 24.8 | 26.1 | 27.6 | 28.3 | 29.1 | 29.7 | 29.4 | 29.0 | 28.4 | 27.5 | 27.1 | 26.9 | 26.7 | 26.0 | 26.1 | 29.7 | 23.3 | 26.2 |
| 11/05/09 | 25.5 | 25.3 | 24.9 | 24.7 | 24.7 | 24.2 | 24.1 | 23.9 | 24.2 | 25.3 | 26.5 | 27.5 | 28.6 | 29.0 | 29.5 | 29.5 | 29.1 | 28.0 | 27.3 | 25.8 | 24.8 | 24.3 | 23.8 | 24.1 | 29.5 | 23.8 | 26.0 |
| 11/06/09 | 23.9 | 22.4 | 22.7 | 22.4 | 22.1 | 22.1 | 21.9 | 21.9 | 23.2 | 24.8 | 26.2 | 27.0 | 25.9 | 25.4 | 25.0 | 25.5 | 24.7 | 24.1 | 23.8 | 23.7 | 22.7 | 22.8 | 22.4 | 22.1 | 27.0 | 21.9 | 23.7 |
| 11/07/09 | 21.8 | 20.8 | 20.9 | 20.9 | 20.2 | 20.3 | 19.8 | 19.2 | 20.4 | 22.6 | 24.5 | 25.8 | 26.0 | 26.0 | 26.4 | 26.4 | 25.7 | 24.4 | 24.0 | 23.2 | 22.1 | 20.6 | 20.8 | 20.5 | 26.4 | 19.2 | 22.6 |
| 11/08/09 | 19.9 | 19.8 | 19.4 | 19.2 | 18.7 | 18.1 | 17.9 | 18.0 | 19.3 | 20.8 | 22.3 | 23.3 | 23.9 | 24.6 | 24.3 | 24.2 | 23.6 | 22.7 | 22.4 | 21.0 | 20.3 | 19.7 | 19.6 | 19.1 | 24.6 | 17.9 | 20.9 |
| 11/09/09 | 18.9 | 19.4 | 19.0 | 18.9 | 18.8 | 18.7 | 18.3 | 18.4 | 19.9 | 22.2 | 23.5 | 24.0 | 24.7 | 25.4 | 25.6 | 25.5 | 25.2 | 24.2 | 23.3 | 22.6 | 23.3 | 23.7 | 23.8 | 23.0 | 25.6 | 18.3 | 22.1 |
| 11/10/09 | 22.4 | 22.8 | 22.6 | 22.6 | 22.6 | 22.4 | 21.9 | 22.0 | 22.6 | 23.5 | 24.7 | 25.9 | 26.9 | 27.7 | 28.1 | 28.1 | 27.6 | 26.3 | 26.0 | 26.0 | 25.5 | 24.9 | 24.3 | 28.1 | 21.9 | 24.8 | |
| 11/11/09 | 23.7 | 23.2 | 22.7 | 22.4 | 21.9 | 21.8 | 21.9 | 21.9 | 22.4 | 23.1 | 23.4 | 23.4 | 25.0 | 26.1 | 26.8 | 27.2 | 26.7 | 25.7 | 24.9 | 24.4 | 24.1 | 23.5 | 23.4 | 23.0 | 27.2 | 21.8 | 23.9 |
| 11/12/09 | 22.4 | 22.0 | 21.6 | 21.5 | 20.6 | 19.8 | 19.4 | 19.5 | 19.9 | 21.6 | 22.0 | 22.5 | 22.4 | 21.9 | 21.5 | 21.4 | 21.4 | 21.1 | 20.9 | 20.6 | 20.2 | 19.7 | 19.0 | 18.5 | 22.5 | 18.5 | 20.9 |
| 11/13/09 | 18.1 | 18.0 | 17.8 | 17.5 | 17.4 | 16.9 | 16.3 | 15.6 | 14.6 | 15.0 | 15.3 | 15.5 | 15.9 | 15.9 | 16.0 | 15.9 | 15.7 | 15.5 | 15.3 | 14.0 | 13.2 | 12.8 | 13.1 | 12.7 | 18.1 | 12.7 | 15.6 |
| 11/14/09 | 12.7 | 12.3 | 11.9 | 11.8 | 12.0 | 11.8 | 11.6 | 11.7 | 12.0 | 12.3 | 13.2 | 13.8 | 13.7 | 14.6 | 12.8 | 11.3 | 12.3 | 11.9 | 11.6 | 11.3 | 11.1 | 10.8 | 10.7 | 10.3 | 14.6 | 10.3 | 12.1 |
| 11/15/09 | 10.0 | 9.9 | 9.8 | 9.8 | 9.6 | 9.5 | 9.0 | 10.1 | 11.2 | 12.3 | 12.5 | 13.5 | 14.0 | 14.5 | 14.7 | 14.7 | 14.2 | 13.6 | 13.3 | 12.0 | 11.1 | 10.8 | 10.8 | 14.7 | 9.0 | 11.7 | |
| 11/16/09 | 10.3 | 12.2 | 12.2 | 12.4 | 13.1 | 13.2 | 13.0 | 12.5 | 12.9 | 13.7 | 14.8 | 15.5 | 16.5 | 17.6 | 18.6 | 19.2 | 19.1 | 18.7 | 17.4 | 16.6 | 15.9 | 15.2 | 15.2 | 16.4 | 19.2 | 10.3 | 15.1 |
| 11/17/09 | 16.8 | 16.3 | 16.0 | 15.7 | 14.7 | 14.4 | 14.1 | 14.4 | 15.4 | 15.9 | 17.1 | 18.1 | 19.2 | 20.2 | 20.8 | 21.0 | 20.8 | 19.7 | 19.0 | 18.5 | 18.3 | 18.1 | 18.2 | 17.7 | 21.0 | 14.1 | 17.5 |
| 11/18/09 | 17.3 | 17.2 | 17.0 | 16.6 | 16.3 | 16.1 | 15.9 | 15.7 | 16.3 | 17.3 | 18.5 | 20.0 | 21.1 | 21.0 | 21.9 | 21.2 | 19.9 | 19.3 | 18.1 | 17.3 | 16.7 | 16.3 | 15.9 | 21.9 | 15.7 | 18.1 | |
| 11/19/09 | 15.5 | 15.6 | 15.5 | 14.9 | 15.1 | 14.7 | 14.4 | 13.6 | 14.8 | 16.5 | 18.4 | 19.4 | 19.7 | 20.5 | 20.3 | 20.4 | 19.8 | 18.6 | 17.7 | 16.9 | 16.2 | 16.2 | 15.4 | 15.7 | 20.5 | 13.6 | 16.9 |
| 11/20/09 | 15.9 | 16.1 | 16.5 | 15.9 | 15.3 | 15.0 | 14.2 | 14.2 | 15.1 | 16.7 | 19.7 | 20.8 | 21.5 | 21.9 | 22.3 | 22.3 | 21.9 | 20.6 | 19.4 | 18.8 | 18.4 | 18.3 | 17.8 | 17.5 | 22.3 | 14.2 | 18.2 |
| 11/21/09 | 17.5 | 18.0 | 17.7 | 17.0 | 16.8 | 16.4 | 15.6 | 15.4 | 16.1 | 17.4 | 18.9 | 19.9 | 20.9 | 21.1 | 20.9 | 20.6 | 19.9 | 18.8 | 18.0 | 17.2 | 16.3 | 16.8 | 15.6 | 15.7 | 21.1 | 15.4 | 17.9 |
| 11/22/09 | 14.7 | 14.9 | 14.6 | 14.2 | 13.7 | 13.5 | 14.4 | 14.0 | 14.2 | 16.3 | 18.0 | 19.1 | 19.5 | 19.8 | 20.5 | 20.6 | 19.7 | 18.5 | 17.4 | 16.7 | 15.8 | 15.7 | 15.1 | 14.7 | 20.6 | 13.5 | 16.5 |
| 11/23/09 | 14.9 | 15.0 | 14.2 | 13.7 | 13.9 | 13.5 | 13.6 | 12.8 | 13.4 | 15.8 | 17.2 | 18.2 | 18.7 | 18.7 | 19.3 | 19.3 | 18.8 | 17.5 | 16.8 | 15.8 | 15.2 | 14.7 | 15.4 | 15.0 | 19.3 | 12.8 | 15.9 |
| 11/24/09 | 16.0 | 15.5 | 14.8 | 13.5 | 12.9 | 11.9 | 11.0 | 10.9 | 13.6 | 15.2 | 15.8 | 16.6 | 17.5 | 18.5 | 19.4 | 19.9 | 19.5 | 18.8 | 18.9 | 18.6 | 18.2 | 18.0 | 17.4 | 17.2 | 19.9 | 10.9 | 16.2 |
| 11/25/09 | 16.9 | 16.6 | 16.0 | 15.6 | 15.4 | 15.1 | 15.2 | 15.3 | 14.9 | 16.2 | 17.3 | 18.1 | 18.6 | 19.4 | 20.3 | 21.0 | 21.0 | 19.9 | 20.0 | 20.2 | 19.9 | 19.3 | 19.3 | 18.6 | 21.0 | 14.9 | 17.9 |
| 11/26/09 | 17.4 | 17.6 | 18.4 | 18.1 | 18.2 | 18.1 | 17.0 | 15.9 | 15.9 | 17.4 | 18.9 | 20.1 | 21.4 | 22.3 | 22.0 | 22.1 | 21.4 | 20.8 | 20.3 | 19.9 | 19.8 | 19.2 | 19.0 | 18.6 | 22.3 | 15.9 | 19.1 |
| 11/27/09 | 18.3 | 18.0 | 17.8 | 17.7 | 17.5 | 17.0 | 17.0 | 16.9 | 17.3 | 18.3 | 19.5 | 20.7 | 21.4 | 22.2 | 22.4 | 22.8 | 22.3 | 21.2 | 20.2 | 19.5 | 18.3 | 18.5 | 18.0 | 18.0 | 22.8 | 16.9 | 19.2 |
| 11/28/09 | 17.5 | 17.6 | 17.3 | 16.7 | 16.6 | 16.6 | 15.8 | 15.8 | 15.9 | 16.2 | 17.3 | 17.2 | 18.0 | 18.3 | 18.4 | 17.7 | 16.8 | 15.2 | 13.2 | 12.3 | 11.6 | 11.2 | 11.1 | 10.1 | 18.4 | 10.1 | 15.6 |
| 11/29/09 | 9.5 | 8.9 | 8.8 | 9.3 | 10.0 | 10.4 | 10.9 | 10.5 | 10.5 | 11.2 | 10.1 | 12.0 | 12.7 | 9.6 | 10.1 | 12.7 | 12.7 | 12.8 | 12.7 | 12.4 | 11.3 | 11.0 | 10.5 | 10.8 | 12.8 | 8.8 | 10.9 |
| 11/30/09 | 10.6 | 11.4 | 11.1 | 11.0 | 10.6 | 9.8 | 9.7 | 10.0 | 10.0 | 9.7 | 10.6 | 11.7 | 12.5 | 13.6 | 14.2 | 14.2 | 13.9 | 13.6 | 12.8 | 12.1 | 11.6 | 11.1 | 10.2 | 9.8 | 14.2 | 9.7 | 11.5 |

Hourly Averages

18.0 17.9 17.7 17.4 17.2 16.9 16.6 16.5 17.1 18.4 19.5 20.5 21.2 21.6 21.9 22.0 21.7 20.8 20.0 19.4 18.8 18.4 18.1 17.9

Maximum Hourly Temperature: 30.5 Minimum Hourly Temperature: 8.8 Average Monthly Temperature: 19.0

Maximum 24-Hour Mean: 26.3 Minimum 24-Hour Mean: 10.9

Total Number of Observations: 720 Possible Number of Observations: 720 INV = Invalid Data ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

NOVEMBER 2009

2-METER TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg | |
|--------------------------------------|------|------|------|------|---|------|------|------|------|-------------------------------------|------|------|------|--------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | |
| 11/01/09 | 19.0 | 20.5 | 19.4 | 19.3 | 18.5 | 18.3 | 18.3 | 18.4 | 20.5 | 21.8 | 23.2 | 24.9 | 26.3 | 27.5 | 27.4 | 27.3 | 27.0 | 25.2 | 24.0 | 21.8 | 20.8 | 20.2 | 20.0 | 19.8 | 27.5 | 18.3 | 22.1 | |
| 11/02/09 | 19.9 | 19.5 | 19.9 | 18.8 | 18.5 | 18.9 | 17.5 | 18.3 | 20.1 | 23.2 | 25.9 | 27.9 | 28.4 | 28.5 | 28.9 | 29.2 | 28.2 | 26.3 | 24.6 | 23.2 | 22.2 | 23.0 | 24.0 | 22.5 | 29.2 | 17.5 | 23.2 | |
| 11/03/09 | 23.0 | 23.6 | 23.9 | 23.6 | 23.0 | 23.0 | 21.9 | 23.2 | 25.2 | 26.2 | 27.1 | 28.5 | 29.3 | 30.5 | 31.4 | 31.1 | 30.5 | 28.9 | 27.4 | 27.1 | 26.9 | 25.6 | 23.8 | 24.9 | 31.4 | 21.9 | 26.2 | |
| 11/04/09 | 24.9 | 24.7 | 24.0 | 23.8 | 23.8 | 23.7 | 23.2 | 23.2 | 24.0 | 25.2 | 26.8 | 28.4 | 29.4 | 29.8 | 30.5 | 29.8 | 29.1 | 28.3 | 27.4 | 27.0 | 26.8 | 26.5 | 25.9 | 25.9 | 30.5 | 23.2 | 26.3 | |
| 11/05/09 | 25.4 | 25.2 | 24.8 | 24.6 | 24.6 | 24.1 | 24.0 | 23.8 | 24.3 | 25.9 | 27.3 | 28.4 | 29.8 | 30.1 | 30.5 | 30.1 | 29.4 | 27.8 | 26.4 | 24.5 | 23.9 | 23.0 | 22.3 | 23.1 | 30.5 | 22.3 | 26.0 | |
| 11/06/09 | 22.9 | 21.7 | 21.3 | 21.7 | 21.7 | 21.8 | 21.6 | 21.7 | 23.6 | 25.7 | 27.0 | 28.1 | 26.3 | 25.7 | 25.2 | 25.8 | 24.8 | 23.5 | 23.1 | 22.9 | 21.9 | 21.8 | 21.0 | 20.7 | 28.1 | 20.7 | 23.4 | |
| 11/07/09 | 20.4 | 19.7 | 19.3 | 19.2 | 18.8 | 18.7 | 18.8 | 17.9 | 20.7 | 23.2 | 25.3 | 26.6 | 26.9 | 26.9 | 27.3 | 27.0 | 26.1 | 24.5 | 23.4 | 22.0 | 20.9 | 19.5 | 19.1 | 18.9 | 27.3 | 17.9 | 22.1 | |
| 11/08/09 | 18.4 | 18.2 | 17.9 | 17.8 | 17.3 | 17.0 | 16.9 | 17.2 | 19.6 | 21.6 | 23.3 | 24.6 | 24.9 | 25.9 | 25.3 | 25.0 | 24.0 | 22.7 | 22.1 | 20.5 | 19.7 | 19.0 | 19.0 | 18.2 | 25.9 | 16.9 | 20.7 | |
| 11/09/09 | 17.6 | 18.5 | 18.1 | 17.8 | 17.6 | 17.1 | 17.1 | 17.5 | 20.1 | 22.9 | 24.4 | 24.6 | 25.5 | 26.5 | 26.3 | 25.9 | 25.4 | 24.1 | 22.9 | 22.2 | 22.9 | 23.5 | 23.6 | 22.7 | 26.5 | 17.1 | 21.9 | |
| 11/10/09 | 21.8 | 22.6 | 22.5 | 22.5 | 22.4 | 22.2 | 21.7 | 21.8 | 22.8 | 24.0 | 25.6 | 26.8 | 28.0 | 28.8 | 29.0 | 28.7 | 28.3 | 27.3 | 26.1 | 25.8 | 25.9 | 25.3 | 24.8 | 24.2 | 29.0 | 21.7 | 24.9 | |
| 11/11/09 | 23.6 | 23.1 | 22.6 | 22.4 | 21.8 | 21.7 | 21.8 | 21.9 | 22.6 | 23.6 | 23.8 | 23.7 | 25.6 | 27.1 | 27.6 | 27.6 | 26.9 | 25.6 | 24.7 | 24.0 | 23.6 | 23.0 | 22.7 | 22.3 | 27.6 | 21.7 | 23.9 | |
| 11/12/09 | 21.4 | 21.5 | 21.0 | 20.7 | 19.9 | 19.0 | 18.7 | 18.8 | 19.8 | 22.1 | 22.6 | 23.2 | 23.1 | 22.3 | 21.7 | 21.6 | 21.5 | 20.9 | 20.7 | 20.3 | 20.0 | 19.4 | 18.7 | 18.2 | 23.2 | 18.2 | 20.7 | |
| 11/13/09 | 17.7 | 17.7 | 17.4 | 17.2 | 17.0 | 16.8 | 16.3 | 15.5 | 14.5 | 15.0 | 15.4 | 15.6 | 16.3 | 16.2 | 16.3 | 16.0 | 15.8 | 15.4 | 15.3 | 13.8 | 13.0 | 12.6 | 12.9 | 12.5 | 17.7 | 12.5 | 15.5 | |
| 11/14/09 | 12.2 | 11.9 | 11.6 | 11.5 | 11.6 | 11.4 | 11.1 | 11.4 | 12.2 | 12.5 | 13.7 | 14.2 | 14.1 | 15.1 | 13.1 | 11.6 | 12.5 | 11.8 | 11.3 | 10.9 | 10.7 | 10.2 | 9.8 | 9.5 | 15.1 | 9.5 | 11.9 | |
| 11/15/09 | 9.2 | 9.1 | 9.2 | 8.8 | 9.0 | 8.3 | 8.3 | 10.4 | 11.7 | 13.0 | 13.4 | 14.4 | 15.0 | 15.2 | 15.2 | 14.9 | 14.1 | 13.4 | 13.1 | 11.6 | 10.8 | 10.2 | 10.1 | 15.2 | 8.3 | 11.5 | | |
| 11/16/09 | 9.7 | 11.8 | 11.9 | 12.1 | 12.8 | 12.9 | 12.8 | 12.4 | 13.0 | 14.1 | 15.5 | 16.4 | 17.4 | 18.5 | 19.4 | 19.7 | 19.3 | 18.5 | 17.1 | 16.4 | 15.8 | 14.8 | 14.7 | 15.9 | 19.7 | 9.7 | 15.1 | |
| 11/17/09 | 16.3 | 15.9 | 15.7 | 15.4 | 14.3 | 14.1 | 13.7 | 14.0 | 15.5 | 16.3 | 17.6 | 18.9 | 20.2 | 21.3 | 21.8 | 21.5 | 21.0 | 19.6 | 18.9 | 18.2 | 18.2 | 18.0 | 18.0 | 17.6 | 21.8 | 13.7 | 17.6 | |
| 11/18/09 | 17.2 | 16.9 | 16.6 | 16.2 | 16.1 | 15.9 | 15.7 | 15.5 | 16.5 | 17.7 | 19.0 | 21.2 | 22.0 | 21.6 | 22.7 | 22.4 | 21.4 | 19.8 | 18.1 | 17.0 | 16.3 | 15.6 | 15.0 | 14.6 | 22.7 | 14.6 | 18.0 | |
| 11/19/09 | 14.2 | 14.2 | 14.5 | 13.7 | 14.0 | 13.7 | 12.7 | 12.5 | 14.7 | 17.0 | 19.1 | 20.1 | 20.6 | 21.3 | 21.1 | 21.0 | 20.1 | 18.5 | 16.8 | 15.7 | 15.0 | 15.5 | 14.2 | 14.4 | 21.3 | 12.5 | 16.4 | |
| 11/20/09 | 15.3 | 15.4 | 15.9 | 15.1 | 13.7 | 13.2 | 13.2 | 13.0 | 14.9 | 17.2 | 20.3 | 21.9 | 22.6 | 23.1 | 23.1 | 22.9 | 22.1 | 20.2 | 18.3 | 18.2 | 17.9 | 17.7 | 17.2 | 16.7 | 23.1 | 13.0 | 17.9 | |
| 11/21/09 | 16.7 | 17.1 | 17.3 | 16.5 | 16.3 | 15.8 | 15.1 | 15.2 | 16.3 | 18.0 | 19.6 | 20.9 | 22.0 | 22.1 | 21.8 | 21.3 | 20.2 | 18.7 | 17.8 | 16.4 | 15.4 | 15.6 | 14.7 | 14.1 | 22.1 | 14.1 | 17.7 | |
| 11/22/09 | 13.2 | 13.2 | 12.8 | 13.2 | 13.0 | 12.3 | 13.8 | 13.5 | 14.5 | 17.2 | 19.1 | 20.2 | 20.8 | 20.9 | 21.3 | 21.2 | 20.0 | 18.5 | 17.0 | 15.8 | 14.7 | 14.4 | 14.0 | 13.3 | 21.3 | 12.3 | 16.2 | |
| 11/23/09 | 13.2 | 13.2 | 12.8 | 12.4 | 12.4 | 11.8 | 11.7 | 11.7 | 13.2 | 16.4 | 17.9 | 19.2 | 19.5 | 19.4 | 20.1 | 20.0 | 19.1 | 17.5 | 16.5 | 14.8 | 14.6 | 14.4 | 15.1 | 14.6 | 20.1 | 11.7 | 15.5 | |
| 11/24/09 | 15.7 | 15.3 | 14.5 | 12.9 | 12.2 | 11.2 | 10.4 | 10.2 | 13.6 | 15.7 | 16.5 | 17.5 | 18.6 | 19.6 | 20.2 | 20.4 | 19.7 | 18.6 | 18.7 | 18.4 | 17.9 | 17.8 | 17.2 | 17.0 | 20.4 | 10.2 | 16.2 | |
| 11/25/09 | 16.6 | 16.3 | 15.8 | 15.4 | 15.2 | 14.9 | 15.0 | 15.2 | 14.9 | 16.6 | 17.8 | 18.8 | 19.5 | 20.2 | 21.0 | 21.4 | 21.2 | 19.8 | 19.8 | 19.9 | 19.7 | 19.1 | 19.1 | 18.4 | 21.4 | 14.9 | 18.0 | |
| 11/26/09 | 17.2 | 17.4 | 18.2 | 18.0 | 18.0 | 18.0 | 16.8 | 15.7 | 16.1 | 17.9 | 19.5 | 20.9 | 22.0 | 23.0 | 22.6 | 22.5 | 21.5 | 20.7 | 20.2 | 19.8 | 19.7 | 19.1 | 19.0 | 18.5 | 23.0 | 15.7 | 19.3 | |
| 11/27/09 | 18.2 | 17.9 | 17.7 | 17.4 | 17.1 | 16.7 | 16.7 | 16.7 | 17.4 | 18.6 | 20.0 | 21.6 | 22.5 | 23.3 | 23.2 | 23.5 | 22.7 | 21.0 | 19.8 | 18.8 | 17.6 | 17.2 | 16.7 | 16.9 | 23.5 | 16.7 | 19.1 | |
| 11/28/09 | 16.8 | 17.0 | 16.8 | 16.2 | 16.3 | 16.5 | 15.7 | 15.7 | 15.9 | 16.5 | 18.0 | 17.7 | 19.1 | 19.5 | 19.3 | 18.4 | 17.1 | 15.2 | 13.3 | 12.3 | 11.3 | 10.9 | 10.4 | 9.7 | 19.5 | 9.7 | 15.6 | |
| 11/29/09 | 9.3 | 8.5 | 8.3 | 9.1 | 9.7 | 10.1 | 10.8 | 10.4 | 10.6 | 11.8 | 10.3 | 12.7 | 13.5 | 9.4 | 10.1 | 12.7 | 12.6 | 12.4 | 12.3 | 12.0 | 10.7 | 10.3 | 10.1 | 10.4 | 13.5 | 8.3 | 10.8 | |
| 11/30/09 | 10.2 | 11.2 | 10.9 | 10.8 | 10.4 | 9.6 | 9.6 | 9.9 | 10.0 | 9.7 | 11.1 | 12.2 | 13.0 | 14.2 | 14.6 | 14.5 | 14.0 | 13.4 | 12.3 | 11.5 | 11.3 | 10.8 | 9.9 | 9.4 | 14.6 | 9.4 | 11.4 | |
| Hourly Averages | | 17.2 | 17.3 | 17.1 | 16.8 | 16.6 | 16.3 | 16.0 | 16.0 | 17.2 | 18.8 | 20.2 | 21.3 | 22.1 | 22.4 | 22.6 | 22.5 | 21.9 | 20.6 | 19.6 | 18.8 | 18.2 | 17.8 | 17.4 | 17.2 | | | |
| Maximum Hourly Temperature: | | | | 31.4 | Minimum Hourly Temperature: | | | | 8.3 | Average Monthly Temperature: | | | | 18.8 | | | | | | | | | | | | | | |
| Maximum 24-Hour Mean: | | | | 26.3 | Minimum 24-Hour Mean: | | | | 10.8 | | | | | | | | | | | | | | | | | | | |
| Total Number of Observations: | | | | 720 | Possible Number of Observations: | | | | 720 | INV = Invalid Data | | | | ND = No Data Collection | | | | | | | | | | | | | | |

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

NOVEMBER 2009

DIFFERENTIAL TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 11/01/09 | 0.496 | 0.435 | 0.405 | 0.439 | 0.512 | 0.585 | 0.575 | 0.386 | -0.152 | -0.406 | -0.871 | -1.175 | -0.987 | -1.040 | -0.810 | -0.652 | -0.443 | 0.062 | 0.270 | 1.109 | 1.122 | 1.321 | 1.694 | 1.398 | 1.694 | -1.175 | 0.178 |
| 11/02/09 | 1.444 | 1.523 | 1.470 | 1.172 | 1.810 | 0.920 | 0.954 | 1.384 | -0.215 | -0.590 | -0.640 | -0.904 | -0.777 | -0.729 | -0.750 | -0.730 | -0.270 | 0.057 | 0.631 | 0.986 | 1.398 | 1.288 | 0.974 | 1.348 | 1.810 | -0.904 | 0.490 |
| 11/03/09 | 1.427 | 0.693 | 0.341 | 0.412 | 0.592 | 0.521 | 0.880 | 0.245 | -0.130 | -0.307 | -0.501 | -0.611 | -0.738 | -0.898 | -0.892 | -0.538 | -0.197 | 0.159 | 0.409 | 0.226 | 0.259 | 0.415 | 0.785 | 0.399 | 1.427 | -0.898 | 0.123 |
| 11/04/09 | 0.305 | 0.169 | 0.148 | 0.147 | 0.137 | 0.324 | 0.393 | 0.172 | -0.097 | -0.360 | -0.742 | -0.871 | -1.075 | -0.752 | -0.838 | -0.405 | -0.107 | 0.101 | 0.102 | 0.077 | 0.123 | 0.140 | 0.078 | 0.128 | 0.393 | -1.075 | -0.113 |
| 11/05/09 | 0.088 | 0.087 | 0.131 | 0.093 | 0.093 | 0.113 | 0.131 | 0.101 | -0.117 | -0.543 | -0.759 | -0.881 | -1.214 | -1.064 | -0.983 | -0.610 | -0.322 | 0.142 | 0.901 | 1.341 | 0.954 | 1.259 | 1.465 | 0.962 | 1.465 | -1.214 | 0.057 |
| 11/06/09 | 0.966 | 0.673 | 1.327 | 0.727 | 0.448 | 0.261 | 0.219 | 0.230 | -0.362 | -0.805 | -0.851 | -1.044 | -0.445 | -0.348 | -0.252 | -0.250 | -0.085 | 0.626 | 0.710 | 0.728 | 0.827 | 1.038 | 1.354 | 1.465 | 1.465 | -1.044 | 0.298 |
| 11/07/09 | 1.460 | 1.109 | 1.644 | 1.626 | 1.353 | 1.569 | 1.037 | 1.291 | -0.214 | -0.535 | -0.797 | -0.866 | -0.838 | -0.901 | -0.893 | -0.650 | -0.366 | -0.013 | 0.601 | 1.195 | 1.124 | 1.049 | 1.725 | 1.604 | 1.725 | -0.901 | 0.513 |
| 11/08/09 | 1.556 | 1.596 | 1.568 | 1.386 | 1.423 | 1.083 | 1.050 | 0.753 | -0.270 | -0.767 | -1.006 | -1.315 | -1.065 | -1.304 | -0.989 | -0.816 | -0.448 | -0.019 | 0.298 | 0.519 | 0.630 | 0.736 | 0.628 | 0.947 | 1.596 | -1.315 | 0.257 |
| 11/09/09 | 1.317 | 0.872 | 0.844 | 1.108 | 1.222 | 1.594 | 1.181 | 0.895 | -0.216 | -0.641 | -0.955 | -0.596 | -0.814 | -1.106 | -0.671 | -0.387 | -0.213 | 0.130 | 0.417 | 0.406 | 0.391 | 0.201 | 0.120 | 0.274 | 1.594 | -1.106 | 0.224 |
| 11/10/09 | 0.675 | 0.150 | 0.101 | 0.124 | 0.110 | 0.170 | 0.161 | 0.170 | -0.206 | -0.551 | -0.843 | -0.971 | -1.056 | -1.123 | -0.908 | -0.550 | -0.202 | 0.297 | 0.181 | 0.196 | 0.184 | 0.184 | 0.150 | 0.169 | 0.675 | -1.123 | -0.141 |
| 11/11/09 | 0.149 | 0.128 | 0.079 | 0.070 | 0.072 | 0.063 | 0.056 | 0.029 | -0.163 | -0.426 | -0.366 | -0.360 | -0.569 | -0.962 | -0.791 | -0.421 | -0.204 | 0.138 | 0.258 | 0.426 | 0.484 | 0.476 | 0.692 | 0.759 | 0.759 | -0.962 | -0.016 |
| 11/12/09 | 1.020 | 0.550 | 0.534 | 0.846 | 0.708 | 0.730 | 0.704 | 0.701 | 0.064 | -0.521 | -0.671 | -0.699 | -0.666 | -0.390 | -0.231 | -0.137 | -0.069 | 0.183 | 0.200 | 0.351 | 0.199 | 0.240 | 0.291 | 0.295 | 1.020 | -0.699 | 0.176 |
| 11/13/09 | 0.443 | 0.315 | 0.430 | 0.332 | 0.386 | 0.112 | -0.027 | 0.027 | 0.065 | 0.048 | -0.078 | -0.098 | -0.376 | -0.265 | -0.308 | -0.155 | -0.100 | 0.029 | 0.048 | 0.203 | 0.177 | 0.133 | 0.211 | 0.180 | 0.443 | -0.376 | 0.072 |
| 11/14/09 | 0.493 | 0.395 | 0.388 | 0.306 | 0.425 | 0.322 | 0.550 | 0.297 | -0.147 | -0.193 | -0.510 | -0.370 | -0.404 | -0.505 | -0.339 | -0.296 | -0.229 | 0.084 | 0.357 | 0.420 | 0.445 | 0.660 | 0.897 | 0.830 | 0.897 | -0.510 | 0.161 |
| 11/15/09 | 0.801 | 0.739 | 0.679 | 0.551 | 0.745 | 0.503 | 0.715 | 0.710 | -0.276 | -0.495 | -0.676 | -0.847 | -0.938 | -1.032 | -0.704 | -0.456 | -0.183 | 0.145 | 0.217 | 0.238 | 0.431 | 0.376 | 0.580 | 0.697 | 0.801 | -1.032 | 0.105 |
| 11/16/09 | 0.583 | 0.428 | 0.322 | 0.322 | 0.290 | 0.271 | 0.262 | 0.126 | -0.131 | -0.436 | -0.754 | -0.961 | -0.934 | -0.937 | -0.781 | -0.518 | -0.130 | 0.191 | 0.301 | 0.222 | 0.154 | 0.406 | 0.451 | 0.482 | 0.583 | -0.961 | -0.032 |
| 11/17/09 | 0.464 | 0.421 | 0.390 | 0.347 | 0.331 | 0.358 | 0.355 | 0.420 | -0.118 | -0.401 | -0.540 | -0.801 | -1.004 | -1.116 | -0.971 | -0.499 | -0.244 | 0.155 | 0.118 | 0.226 | 0.121 | 0.170 | 0.230 | 0.096 | 0.464 | -1.116 | -0.062 |
| 11/18/09 | 0.143 | 0.269 | 0.453 | 0.387 | 0.267 | 0.234 | 0.162 | 0.149 | -0.141 | -0.357 | -0.538 | -1.168 | -0.976 | -0.660 | -0.773 | -0.585 | -0.250 | 0.141 | 1.167 | 1.141 | 0.918 | 1.051 | 1.296 | 1.379 | 1.379 | -1.168 | 0.155 |
| 11/19/09 | 1.276 | 1.358 | 1.061 | 1.190 | 1.052 | 0.959 | 1.709 | 1.086 | 0.073 | -0.493 | -0.707 | -0.731 | -0.851 | -0.834 | -0.735 | -0.554 | -0.297 | 0.128 | 0.908 | 1.109 | 1.176 | 1.076 | 1.236 | 1.346 | 1.709 | -0.851 | 0.465 |
| 11/20/09 | 0.561 | 0.723 | 0.619 | 0.896 | 1.532 | 1.783 | 0.951 | 1.148 | 0.145 | -0.507 | -0.663 | -1.039 | -1.172 | -1.199 | -0.811 | -0.619 | -0.227 | 0.365 | 1.078 | 0.622 | 0.526 | 0.558 | 0.626 | 0.819 | 1.783 | -1.199 | 0.280 |
| 11/21/09 | 0.749 | 0.851 | 0.434 | 0.429 | 0.521 | 0.574 | 0.489 | 0.291 | -0.185 | -0.570 | -0.697 | -1.000 | -1.137 | -1.047 | -0.881 | -0.668 | -0.303 | 0.109 | 0.286 | 0.852 | 0.872 | 1.217 | 0.877 | 1.617 | 1.617 | -1.137 | 0.153 |
| 11/22/09 | 1.464 | 1.701 | 1.764 | 1.050 | 0.738 | 1.207 | 0.624 | 0.483 | -0.213 | -0.851 | -1.121 | -1.078 | -1.274 | -1.092 | -0.798 | -0.672 | -0.313 | 0.063 | 0.481 | 0.831 | 1.077 | 1.331 | 1.058 | 1.372 | 1.764 | -1.274 | 0.326 |
| 11/23/09 | 1.746 | 1.890 | 1.356 | 1.268 | 1.573 | 1.692 | 1.939 | 1.100 | 0.174 | -0.575 | -0.699 | -0.949 | -0.826 | -0.715 | -0.867 | -0.650 | -0.338 | 0.033 | 0.332 | 0.990 | 0.611 | 0.300 | 0.292 | 0.364 | 1.939 | -0.949 | 0.418 |
| 11/24/09 | 0.332 | 0.208 | 0.283 | 0.569 | 0.663 | 0.754 | 0.676 | 0.719 | 0.050 | -0.458 | -0.610 | -0.836 | -1.079 | -1.076 | -0.776 | -0.565 | -0.159 | 0.161 | 0.218 | 0.240 | 0.275 | 0.226 | 0.165 | 0.236 | 0.754 | -1.079 | 0.009 |
| 11/25/09 | 0.282 | 0.309 | 0.281 | 0.220 | 0.201 | 0.231 | 0.204 | 0.117 | -0.022 | -0.399 | -0.594 | -0.734 | -0.863 | -0.807 | -0.731 | -0.440 | -0.176 | 0.104 | 0.186 | 0.249 | 0.233 | 0.236 | 0.188 | 0.198 | 0.309 | -0.863 | -0.064 |
| 11/26/09 | 0.211 | 0.185 | 0.157 | 0.120 | 0.134 | 0.122 | 0.156 | 0.148 | -0.201 | -0.499 | -0.639 | -0.844 | -0.598 | -0.738 | -0.603 | -0.346 | -0.073 | 0.060 | 0.081 | 0.114 | 0.115 | 0.083 | 0.085 | 0.074 | 0.211 | -0.844 | -0.112 |
| 11/27/09 | 0.075 | 0.098 | 0.157 | 0.247 | 0.362 | 0.277 | 0.299 | 0.138 | -0.117 | -0.325 | -0.502 | -0.849 | -1.107 | -1.050 | -0.861 | -0.749 | -0.333 | 0.169 | 0.414 | 0.673 | 0.678 | 1.238 | 1.393 | 1.029 | 1.393 | -1.107 | 0.056 |
| 11/28/09 | 0.660 | 0.614 | 0.519 | 0.502 | 0.254 | 0.058 | 0.095 | 0.070 | -0.032 | -0.262 | -0.706 | -0.582 | -1.137 | -1.151 | -0.904 | -0.668 | -0.297 | -0.080 | -0.058 | -0.024 | 0.298 | 0.344 | 0.654 | 0.365 | 0.660 | -1.151 | -0.061 |
| 11/29/09 | 0.202 | 0.392 | 0.513 | 0.230 | 0.251 | 0.219 | 0.081 | 0.100 | -0.111 | -0.536 | -0.240 | -0.728 | -0.769 | 0.215 | 0.070 | -0.026 | 0.087 | 0.371 | 0.416 | 0.445 | 0.648 | 0.693 | 0.328 | 0.402 | 0.693 | -0.769 | 0.136 |
| 11/30/09 | 0.391 | 0.237 | 0.228 | 0.241 | 0.187 | 0.171 | 0.134 | 0.135 | 0.029 | -0.028 | -0.472 | -0.487 | -0.526 | -0.613 | -0.382 | -0.230 | -0.031 | 0.193 | 0.518 | 0.539 | 0.350 | 0.269 | 0.377 | 0.374 | 0.539 | -0.613 | 0.067 |

Hourly Averages

0.726 0.637 0.621 0.579 0.613 0.593 0.557 0.454 -0.108 -0.460 -0.658 -0.813 -0.874 -0.841 -0.705 -0.495 -0.217 0.143 0.402 0.555 0.560 0.611 0.697 0.720

Maximum Hourly Differential Temperature: 1.939

Minimum Hourly Differential Temperature: -1.315

Total Number of Observations: 720

Possible Number of Observations: 720

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

DECEMBER 2009

10-METER TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 12/01/09 | 9.2 | 9.1 | 9.1 | 8.1 | 8.6 | 8.4 | 8.1 | 8.4 | 8.8 | 10.2 | 11.8 | 12.8 | 13.7 | 14.2 | 14.3 | 14.4 | 14.0 | 13.3 | 12.7 | 12.5 | 11.2 | 11.7 | 10.4 | 11.2 | 14.4 | 8.1 | 11.1 |
| 12/02/09 | 10.9 | 11.0 | 10.2 | 10.2 | 9.8 | 9.4 | 8.9 | 9.0 | 9.0 | 10.6 | 12.1 | 13.1 | 14.0 | 14.7 | 14.8 | 15.0 | 14.6 | 13.5 | 13.0 | 12.5 | 12.1 | 11.1 | 10.6 | 11.3 | 15.0 | 8.9 | 11.7 |
| 12/03/09 | 11.2 | 10.4 | 10.6 | 10.1 | 9.4 | 9.2 | 8.9 | 9.0 | 9.1 | 10.9 | 12.3 | 12.9 | 13.5 | 13.8 | 14.0 | 14.0 | 13.5 | 12.5 | 12.1 | 11.8 | 10.6 | 10.0 | 9.3 | 8.5 | 14.0 | 8.5 | 11.1 |
| 12/04/09 | 8.2 | 7.6 | 6.6 | 6.3 | 6.1 | 5.9 | 5.1 | 4.6 | 5.5 | 6.0 | 7.0 | 8.4 | 9.4 | 10.3 | 11.2 | 11.7 | 11.4 | 10.4 | 9.8 | 9.2 | 8.4 | 8.6 | 8.4 | 8.1 | 11.7 | 4.6 | 8.1 |
| 12/05/09 | 8.0 | 8.0 | 7.9 | 7.6 | 7.4 | 7.3 | 7.2 | 7.0 | 7.4 | 8.5 | 10.0 | 11.4 | 12.5 | 12.5 | 12.7 | 12.7 | 11.9 | 11.1 | 10.8 | 10.5 | 10.3 | 10.2 | 9.9 | 9.7 | 12.7 | 7.0 | 9.7 |
| 12/06/09 | 9.3 | 8.6 | 8.0 | 7.2 | 7.3 | 7.3 | 7.2 | 5.4 | 5.6 | 5.8 | 6.0 | 7.0 | 8.2 | 9.2 | 9.8 | 10.3 | 10.6 | 10.5 | 10.3 | 10.5 | 10.4 | 10.1 | 9.7 | 9.7 | 10.6 | 5.4 | 8.5 |
| 12/07/09 | 9.6 | 9.5 | 9.4 | 9.4 | 9.4 | 9.2 | 9.5 | 9.4 | 9.4 | 9.7 | 9.5 | 9.4 | 9.4 | 8.9 | 8.8 | 8.6 | 8.3 | 8.6 | 8.9 | 9.1 | 9.8 | 10.2 | 10.5 | 9.7 | 10.5 | 8.3 | 9.3 |
| 12/08/09 | 9.1 | 8.3 | 6.8 | 6.7 | 6.0 | 5.2 | 4.0 | 3.2 | 3.3 | 4.5 | 5.1 | 5.5 | 5.9 | 6.3 | 6.6 | 6.8 | 6.7 | 6.0 | 5.6 | 5.5 | 4.9 | 4.8 | 5.1 | 4.8 | 9.1 | 3.2 | 5.7 |
| 12/09/09 | 6.2 | 5.2 | 6.1 | 5.6 | 6.0 | 5.9 | 5.5 | 5.2 | 5.3 | 5.8 | 7.0 | 7.5 | 8.3 | 9.0 | 9.0 | 8.8 | 8.4 | 7.5 | 7.0 | 6.4 | 5.9 | 5.2 | 5.1 | 5.7 | 9.0 | 5.1 | 6.6 |
| 12/10/09 | 5.4 | 5.2 | 5.4 | 5.4 | 5.7 | 5.6 | 5.8 | 5.8 | 6.6 | 7.9 | 9.0 | 10.6 | 11.4 | 11.3 | 10.4 | 10.1 | 9.8 | 8.7 | 8.1 | 7.9 | 7.3 | 6.8 | 7.2 | 8.1 | 11.4 | 5.2 | 7.7 |
| 12/11/09 | 7.8 | 7.1 | 7.3 | 7.2 | 6.9 | 7.4 | 8.2 | 7.9 | 8.2 | 8.6 | 10.6 | 12.1 | 13.6 | 13.5 | 13.1 | 13.0 | 13.0 | 11.7 | 10.7 | 10.0 | 9.5 | 9.6 | 9.9 | 10.0 | 13.6 | 6.9 | 9.9 |
| 12/12/09 | 9.9 | 9.2 | 9.4 | 9.1 | 8.9 | 9.1 | 8.9 | 9.3 | 9.9 | 10.8 | 10.9 | 12.2 | 13.0 | 13.4 | 13.8 | 14.1 | 13.9 | 13.4 | 13.0 | 12.8 | 12.8 | 12.9 | 12.4 | 12.3 | 14.1 | 8.9 | 11.5 |
| 12/13/09 | 12.7 | 12.0 | 11.2 | 11.7 | 11.1 | 10.3 | 9.6 | 9.5 | 9.0 | 11.6 | 14.4 | 15.2 | 16.0 | 15.8 | 15.0 | 13.7 | 12.5 | 11.6 | 11.4 | 11.8 | 11.5 | 11.4 | 11.1 | 10.9 | 16.0 | 9.0 | 12.1 |
| 12/14/09 | 11.2 | 10.5 | 10.3 | 9.8 | 9.9 | 10.0 | 9.6 | 9.5 | 10.2 | 10.4 | 11.8 | 13.0 | 13.4 | 13.5 | 13.4 | 13.4 | 13.1 | 12.3 | 11.7 | 11.1 | 10.6 | 10.2 | 10.8 | 11.2 | 13.5 | 9.5 | 11.3 |
| 12/15/09 | 11.0 | 10.5 | 10.0 | 9.8 | 10.1 | 10.5 | 10.0 | 10.3 | 11.0 | 11.7 | 11.9 | 13.1 | 14.6 | 15.7 | 16.3 | 16.8 | 16.7 | 15.3 | 14.2 | 14.1 | 13.8 | 14.2 | 14.3 | 13.9 | 16.8 | 9.8 | 12.9 |
| 12/16/09 | 14.7 | 14.7 | 14.6 | 14.5 | 14.8 | 14.0 | 13.8 | 14.6 | 14.4 | 15.2 | 15.8 | 16.1 | 16.8 | 17.4 | 17.7 | 17.9 | 17.6 | 17.1 | 15.9 | 15.4 | 15.9 | 15.5 | 15.3 | 15.2 | 17.9 | 13.8 | 15.6 |
| 12/17/09 | 15.2 | 15.0 | 14.8 | 14.2 | 14.3 | 14.1 | 13.7 | 13.4 | 14.0 | 15.1 | 16.2 | 16.8 | 17.8 | 18.7 | 19.3 | 19.7 | 19.0 | 17.6 | 16.5 | 16.0 | 15.5 | 15.0 | 14.7 | 13.9 | 19.7 | 13.4 | 15.8 |
| 12/18/09 | 13.8 | 13.6 | 13.1 | 12.9 | 13.5 | 13.1 | 13.0 | 13.3 | 13.4 | 13.9 | 15.8 | 17.2 | 18.0 | 18.8 | 18.7 | 18.4 | 17.9 | 17.1 | 16.2 | 15.1 | 14.7 | 14.5 | 13.6 | 13.4 | 18.8 | 12.9 | 15.1 |
| 12/19/09 | 13.2 | 13.0 | 12.8 | 13.4 | 14.6 | 13.6 | 12.4 | 12.9 | 14.1 | 14.2 | 14.5 | 15.1 | 16.5 | 17.0 | 17.1 | 17.1 | 17.2 | 16.9 | 16.9 | 16.3 | 15.3 | 13.6 | 14.7 | 15.3 | 17.2 | 12.4 | 14.9 |
| 12/20/09 | 13.7 | 14.1 | 13.1 | 12.4 | 12.9 | 13.1 | 12.9 | 13.4 | 14.2 | 15.5 | 16.4 | 16.8 | 17.3 | 17.5 | 17.5 | 17.1 | 16.4 | 15.9 | 15.8 | 16.0 | 15.9 | 15.8 | 15.8 | 17.5 | 12.4 | 15.1 | |
| 12/21/09 | 15.7 | 15.2 | 14.5 | 14.5 | 14.3 | 14.0 | 13.8 | 13.8 | 14.3 | 15.2 | 15.8 | 16.7 | 17.1 | 16.8 | 16.3 | 16.0 | 15.8 | 15.0 | 14.4 | 13.7 | 14.3 | 14.0 | 14.0 | 17.1 | 13.7 | 15.0 | |
| 12/22/09 | 13.5 | 13.0 | 12.9 | 12.5 | 12.1 | 11.3 | 12.3 | 11.5 | 11.8 | 12.4 | 13.1 | 13.5 | 13.7 | 14.4 | 14.2 | 8.0 | 7.0 | 6.6 | 6.6 | 6.4 | 6.5 | 6.1 | 6.0 | 5.6 | 14.4 | 5.6 | 10.5 |
| 12/23/09 | 5.0 | 4.6 | 4.9 | 4.7 | 3.7 | 3.3 | 3.2 | 2.7 | 2.6 | 3.2 | 3.6 | 3.9 | 4.0 | 4.8 | 6.0 | 6.8 | 6.5 | 5.8 | 5.5 | 5.1 | 5.2 | 4.4 | 4.7 | 6.8 | 2.6 | 4.5 | |
| 12/24/09 | 4.5 | 3.9 | 4.3 | 4.2 | 4.0 | 4.1 | 3.9 | INV | 4.8 | 5.9 | 8.2 | 9.4 | 10.3 | 10.9 | 11.3 | 11.1 | 10.2 | 9.0 | 8.1 | 7.5 | 7.2 | 6.2 | 5.4 | 5.4 | 11.3 | 3.9 | 7.0 |
| 12/25/09 | 5.4 | 5.1 | 4.4 | 4.3 | 4.2 | 3.9 | 3.9 | 4.2 | 5.4 | 7.1 | 8.5 | 9.5 | 9.7 | 9.9 | 9.7 | 9.2 | 8.2 | 7.7 | 7.1 | 6.0 | 6.1 | 6.4 | 6.1 | 9.9 | 3.9 | 6.5 | |
| 12/26/09 | 5.6 | 5.3 | 5.1 | 5.0 | 4.9 | 5.5 | 6.8 | 6.9 | 5.0 | 6.4 | 7.7 | 8.5 | 9.3 | 9.9 | 10.3 | 10.7 | 10.4 | 9.7 | 8.3 | 8.0 | 7.7 | 7.8 | 7.8 | 6.8 | 10.7 | 4.9 | 7.5 |
| 12/27/09 | 5.8 | 6.3 | 6.5 | 5.4 | 5.2 | 5.3 | 5.3 | 5.7 | 5.6 | 7.5 | 8.7 | 9.7 | 10.3 | 11.3 | 12.4 | 12.9 | 12.8 | 11.1 | 10.0 | 9.1 | 9.9 | 10.6 | 9.2 | 9.0 | 12.9 | 5.2 | 8.6 |
| 12/28/09 | 9.2 | 9.2 | 10.8 | 10.4 | 10.8 | 11.5 | 11.2 | 11.5 | 11.3 | 11.8 | 11.9 | 12.5 | 12.1 | 11.9 | 12.4 | 12.7 | 13.0 | 12.5 | 12.2 | 11.5 | 11.4 | 11.2 | 11.0 | 13.0 | 9.2 | 11.5 | |
| 12/29/09 | 11.2 | 10.6 | 10.3 | 10.1 | 10.0 | 9.8 | 9.4 | 8.7 | 8.2 | 8.5 | 9.4 | 10.0 | 11.1 | 11.6 | 11.9 | 11.8 | 11.3 | 10.8 | 10.4 | 9.7 | 8.9 | 9.2 | 9.5 | 9.2 | 11.9 | 8.2 | 10.1 |
| 12/30/09 | 8.9 | 8.2 | 8.4 | 7.9 | 7.8 | 7.6 | 7.3 | 6.9 | 7.0 | 8.4 | 9.8 | 10.4 | 11.1 | 11.5 | 11.6 | 11.7 | 11.7 | 11.3 | 11.2 | 11.1 | 10.4 | 10.1 | 9.9 | 9.5 | 11.7 | 6.9 | 9.6 |
| 12/31/09 | 9.5 | 9.4 | 9.0 | 8.9 | 8.5 | 8.1 | 7.2 | 7.7 | 8.8 | 9.3 | 9.2 | 9.8 | 10.7 | 11.7 | 12.5 | 12.8 | 12.8 | 12.0 | 11.3 | 10.3 | 9.8 | 9.8 | 11.0 | 9.3 | 12.8 | 7.2 | 10.0 |

Hourly Averages

9.8 9.5 9.3 9.0 9.0 8.8 8.6 8.7 8.7 9.7 10.7 11.6 12.3 12.8 13.0 12.8 12.5 11.7 11.2 10.8 10.4 10.2 10.1 10.0

Maximum Hourly Temperature: 19.7

Minimum Hourly Temperature: 2.6

Average Monthly Temperature: 10.5

Maximum 24-Hour Mean: 15.8

Minimum 24-Hour Mean: 4.5

Total Number of Observations: 743

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE
DECEMBER 2009

2-METER TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 12/01/09 | 8.9 | 8.8 | 8.9 | 7.7 | 8.2 | 7.8 | 7.3 | 7.7 | 8.8 | 10.7 | 12.2 | 13.4 | 14.4 | 15.0 | 15.0 | 15.0 | 14.3 | 13.1 | 12.5 | 12.1 | 10.5 | 10.4 | 9.8 | 10.0 | 15.0 | 7.3 | 10.9 |
| 12/02/09 | 9.8 | 9.3 | 8.7 | 8.9 | 8.6 | 8.7 | 7.9 | 8.1 | 9.0 | 11.0 | 12.7 | 13.8 | 14.9 | 15.6 | 15.5 | 15.5 | 14.8 | 13.5 | 12.7 | 11.4 | 10.9 | 10.2 | 9.7 | 9.9 | 15.6 | 7.9 | 11.3 |
| 12/03/09 | 9.6 | 8.9 | 9.0 | 8.8 | 8.4 | 8.2 | 7.8 | 7.9 | 8.8 | 11.1 | 12.8 | 13.4 | 14.2 | 14.6 | 14.7 | 14.7 | 13.8 | 12.5 | 11.8 | 10.8 | 10.3 | 9.8 | 9.1 | 8.4 | 14.7 | 7.8 | 10.8 |
| 12/04/09 | 8.1 | 7.5 | 6.5 | 6.2 | 5.9 | 5.7 | 4.9 | 4.4 | 5.6 | 6.5 | 7.7 | 9.1 | 10.4 | 11.3 | 11.9 | 12.2 | 11.7 | 10.2 | 9.5 | 9.0 | 8.0 | 8.2 | 8.2 | 7.9 | 12.2 | 4.4 | 8.2 |
| 12/05/09 | 7.8 | 7.8 | 7.6 | 7.3 | 7.2 | 7.2 | 7.0 | 6.9 | 7.4 | 8.8 | 10.5 | 12.3 | 13.3 | 13.2 | 13.2 | 13.0 | 12.0 | 11.0 | 10.2 | 9.3 | 9.1 | 8.7 | 8.8 | 7.8 | 13.3 | 6.9 | 9.5 |
| 12/06/09 | 8.3 | 8.0 | 7.4 | 6.6 | 7.1 | 6.9 | 6.9 | 5.3 | 5.6 | 5.9 | 6.2 | 7.3 | 8.5 | 9.6 | 10.1 | 10.5 | 10.7 | 10.4 | 9.9 | 10.3 | 10.2 | 9.9 | 9.6 | 9.7 | 10.7 | 5.3 | 8.4 |
| 12/07/09 | 9.5 | 9.4 | 9.2 | 9.2 | 9.1 | 9.0 | 9.3 | 9.2 | 9.3 | 9.8 | 9.5 | 9.3 | 9.4 | 8.9 | 8.8 | 8.6 | 8.4 | 8.6 | 8.9 | 9.0 | 9.7 | 10.1 | 10.3 | 9.5 | 10.3 | 8.4 | 9.2 |
| 12/08/09 | 9.1 | 8.3 | 6.9 | 6.7 | 6.0 | 5.2 | 3.9 | 3.1 | 3.5 | 4.9 | 5.6 | 6.2 | 6.6 | 6.9 | 7.3 | 7.3 | 7.0 | 5.9 | 5.3 | 4.9 | 4.4 | 4.4 | 4.6 | 4.5 | 9.1 | 3.1 | 5.8 |
| 12/09/09 | 5.7 | 4.8 | 5.9 | 5.3 | 5.9 | 5.6 | 5.2 | 4.9 | 5.3 | 6.0 | 7.5 | 8.2 | 8.7 | 9.7 | 9.5 | 9.2 | 8.6 | 7.4 | 6.8 | 5.9 | 5.5 | 4.7 | 4.5 | 5.1 | 9.7 | 4.5 | 6.5 |
| 12/10/09 | 4.8 | 4.6 | 4.6 | 4.8 | 5.1 | 5.0 | 5.3 | 5.3 | 6.6 | 8.1 | 9.5 | 11.1 | 12.0 | 11.7 | 10.7 | 10.4 | 10.0 | 8.6 | 7.4 | 6.8 | 6.3 | 6.1 | 6.5 | 7.5 | 12.0 | 4.6 | 7.5 |
| 12/11/09 | 7.2 | 6.5 | 6.4 | 6.3 | 6.4 | 6.7 | 7.6 | 7.3 | 7.9 | 8.9 | 11.0 | 12.5 | 14.2 | 14.2 | 13.7 | 13.4 | 13.2 | 11.6 | 10.5 | 9.4 | 8.8 | 8.6 | 8.4 | 9.3 | 14.2 | 6.3 | 9.6 |
| 12/12/09 | 9.4 | 8.4 | 8.3 | 8.2 | 7.8 | 8.2 | 7.9 | 8.6 | 9.5 | 10.9 | 11.2 | 12.5 | 13.4 | 13.8 | 14.1 | 14.5 | 14.0 | 13.1 | 12.4 | 12.3 | 12.4 | 12.4 | 11.8 | 11.6 | 14.5 | 7.8 | 11.1 |
| 12/13/09 | 12.1 | 11.5 | 10.5 | 11.2 | 10.6 | 9.5 | 8.8 | 8.8 | 8.6 | 11.9 | 15.0 | 15.8 | 16.6 | 16.1 | 15.2 | 13.9 | 12.6 | 11.7 | 11.5 | 11.8 | 11.5 | 11.3 | 11.0 | 10.8 | 16.6 | 8.6 | 12.0 |
| 12/14/09 | 11.0 | 10.3 | 10.1 | 9.6 | 9.6 | 9.7 | 9.2 | 9.3 | 9.9 | 10.6 | 12.1 | 13.8 | 14.1 | 14.3 | 14.1 | 14.0 | 13.4 | 12.2 | 11.7 | 10.7 | 9.9 | 9.7 | 10.2 | 10.9 | 14.3 | 9.2 | 11.3 |
| 12/15/09 | 10.7 | 10.2 | 9.8 | 9.5 | 9.8 | 10.1 | 9.5 | 9.9 | 11.0 | 12.0 | 12.4 | 13.8 | 15.1 | 16.2 | 16.8 | 17.2 | 16.7 | 15.0 | 14.0 | 13.8 | 13.6 | 14.0 | 14.1 | 13.8 | 17.2 | 9.5 | 12.9 |
| 12/16/09 | 14.5 | 14.5 | 14.5 | 14.3 | 14.6 | 13.8 | 13.6 | 14.5 | 14.4 | 15.4 | 16.1 | 16.4 | 17.3 | 17.8 | 18.2 | 18.3 | 17.7 | 16.9 | 15.7 | 15.1 | 15.5 | 15.2 | 14.7 | 14.7 | 18.3 | 13.6 | 15.6 |
| 12/17/09 | 14.7 | 14.7 | 14.5 | 13.5 | 13.8 | 13.6 | 13.2 | 12.8 | 13.8 | 15.3 | 16.8 | 17.5 | 18.7 | 19.4 | 20.0 | 20.3 | 19.2 | 17.2 | 16.1 | 15.2 | 14.7 | 14.2 | 13.9 | 12.7 | 20.3 | 12.7 | 15.7 |
| 12/18/09 | 13.1 | 12.6 | 11.8 | 12.0 | 12.7 | 12.4 | 12.3 | 12.8 | 13.2 | 14.3 | 16.3 | 17.9 | 19.0 | 19.8 | 19.4 | 18.8 | 18.1 | 17.0 | 15.5 | 14.3 | 13.8 | 13.7 | 12.9 | 13.1 | 19.8 | 11.8 | 14.9 |
| 12/19/09 | 12.7 | 12.4 | 12.3 | 13.0 | 14.2 | 13.4 | 12.3 | 12.7 | 14.0 | 14.5 | 15.0 | 15.7 | 17.3 | 17.7 | 17.6 | 17.5 | 17.2 | 16.8 | 16.8 | 16.0 | 14.9 | 13.2 | 14.4 | 15.0 | 17.7 | 12.3 | 14.9 |
| 12/20/09 | 13.4 | 13.9 | 12.9 | 12.1 | 12.8 | 13.0 | 12.8 | 12.7 | 13.4 | 14.4 | 15.8 | 17.0 | 17.6 | 17.8 | 17.9 | 17.7 | 17.1 | 16.3 | 15.8 | 15.5 | 15.6 | 15.5 | 15.5 | 15.5 | 17.9 | 12.1 | 15.1 |
| 12/21/09 | 15.4 | 14.8 | 14.2 | 14.1 | 13.9 | 13.5 | 13.4 | 13.4 | 14.1 | 15.5 | 16.1 | 17.2 | 17.7 | 17.3 | 16.6 | 16.2 | 15.8 | 14.8 | 13.9 | 13.4 | 13.6 | 13.4 | 12.8 | 13.0 | 17.7 | 12.8 | 14.7 |
| 12/22/09 | 12.7 | 12.1 | 12.0 | 11.7 | 11.3 | 10.9 | 11.3 | 10.7 | 11.3 | 12.2 | 13.2 | 13.7 | 13.9 | 14.8 | 14.4 | 8.0 | 7.1 | 6.7 | 6.6 | 6.5 | 6.4 | 5.8 | 5.8 | 5.6 | 14.8 | 5.6 | 10.2 |
| 12/23/09 | 4.9 | 4.7 | 4.9 | 4.6 | 3.5 | 3.3 | 3.1 | 2.5 | 2.6 | 3.5 | 3.9 | 4.2 | 4.5 | 5.4 | 5.6 | 7.4 | 6.9 | 5.9 | 5.4 | 4.8 | 4.5 | 4.0 | 3.9 | 4.0 | 7.4 | 2.5 | 4.5 |
| 12/24/09 | 3.6 | 3.3 | 3.4 | 3.5 | 3.0 | 3.3 | 3.3 | INV | 4.4 | 6.2 | 8.7 | 10.1 | 10.8 | 11.4 | 11.6 | 11.4 | 10.4 | 8.9 | 7.7 | 6.8 | 6.6 | 5.8 | 4.9 | 4.8 | 11.6 | 3.0 | 6.7 |
| 12/25/09 | 4.6 | 4.3 | 3.2 | 3.3 | 3.0 | 2.9 | 2.9 | 2.7 | 3.5 | 5.7 | 7.5 | 9.1 | 10.1 | 10.3 | 10.5 | 10.2 | 9.4 | 8.2 | 7.5 | 6.5 | 5.3 | 5.5 | 5.9 | 5.4 | 10.5 | 2.7 | 6.2 |
| 12/26/09 | 5.0 | 4.7 | 4.5 | 4.5 | 4.4 | 5.1 | 6.3 | 6.4 | 4.8 | 6.8 | 8.3 | 9.4 | 10.3 | 10.9 | 11.0 | 11.1 | 10.5 | 9.6 | 8.0 | 7.6 | 7.3 | 7.4 | 7.5 | 6.4 | 11.1 | 4.4 | 7.4 |
| 12/27/09 | 5.3 | 5.8 | 6.0 | 4.9 | 4.6 | 4.8 | 4.7 | 5.3 | 5.2 | 7.7 | 9.2 | 10.3 | 11.2 | 12.2 | 13.3 | 13.5 | 13.1 | 10.9 | 9.6 | 8.4 | 9.6 | 10.1 | 8.9 | 8.8 | 13.5 | 4.6 | 8.5 |
| 12/28/09 | 8.9 | 8.9 | 10.5 | 10.1 | 10.7 | 11.3 | 11.0 | 11.4 | 11.3 | 11.8 | 12.0 | 12.5 | 12.2 | 12.0 | 12.5 | 12.8 | 13.0 | 12.4 | 12.1 | 11.4 | 11.2 | 11.3 | 11.1 | 10.9 | 13.0 | 8.9 | 11.4 |
| 12/29/09 | 11.1 | 10.5 | 10.3 | 10.0 | 10.0 | 9.7 | 9.4 | 8.7 | 8.2 | 8.6 | 9.5 | 10.5 | 11.8 | 12.4 | 12.4 | 12.1 | 11.5 | 10.7 | 10.1 | 9.1 | 8.4 | 8.6 | 8.9 | 8.5 | 12.4 | 8.2 | 10.0 |
| 12/30/09 | 7.3 | 7.3 | 7.8 | 7.4 | 7.0 | 6.5 | 6.1 | 5.8 | 6.6 | 8.9 | 10.6 | 11.0 | 11.9 | 12.1 | 12.0 | 11.9 | 11.8 | 11.3 | 11.2 | 11.0 | 10.3 | 10.1 | 9.8 | 9.4 | 12.1 | 5.8 | 9.4 |
| 12/31/09 | 9.4 | 9.2 | 8.4 | 8.5 | 8.1 | 7.8 | 6.7 | 7.3 | 8.7 | 9.6 | 9.9 | 10.6 | 11.4 | 12.3 | 12.9 | 13.2 | 12.9 | 12.0 | 11.0 | 10.0 | 9.5 | 9.5 | 10.5 | 9.0 | 13.2 | 6.7 | 9.9 |

Hourly Averages

9.3 9.0 8.7 8.5 8.4 8.1 8.2 8.6 9.9 11.1 12.1 12.9 13.4 13.5 13.2 12.7 11.6 10.9 10.3 9.9 9.7 9.6 9.5

Maximum Hourly Temperature: 20.3

Minimum Hourly Temperature: 2.5

Average Monthly Temperature: 10.3

Maximum 24-Hour Mean: 15.7

Minimum 24-Hour Mean: 4.5

Total Number of Observations: 743

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

DECEMBER 2009

DIFFERENTIAL TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|-------|--------|--------|-------|--------|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 12/01/09 | 0.297 | 0.302 | 0.284 | 0.466 | 0.407 | 0.561 | 0.728 | 0.668 | 0.027 | -0.461 | -0.471 | -0.617 | -0.702 | -0.782 | -0.724 | -0.564 | -0.270 | 0.138 | 0.242 | 0.462 | 0.739 | 1.346 | 0.625 | 1.228 | 1.346 | -0.782 | 0.164 |
| 12/02/09 | 1.088 | 1.605 | 1.468 | 1.308 | 1.221 | 0.698 | 0.988 | 0.883 | 0.033 | -0.394 | -0.630 | -0.738 | -0.952 | -0.927 | -0.688 | -0.553 | -0.244 | 0.072 | 0.351 | 1.089 | 1.113 | 0.962 | 0.858 | 1.370 | 1.605 | -0.952 | 0.416 |
| 12/03/09 | 1.675 | 1.461 | 1.597 | 1.304 | 1.016 | 0.963 | 1.046 | 1.090 | 0.227 | -0.243 | -0.532 | -0.537 | -0.744 | -0.749 | -0.754 | -0.618 | -0.266 | 0.044 | 0.311 | 0.965 | 0.231 | 0.224 | 0.177 | 0.106 | 1.675 | -0.754 | 0.333 |
| 12/04/09 | 0.112 | 0.133 | 0.120 | 0.137 | 0.150 | 0.149 | 0.141 | 0.147 | -0.125 | -0.527 | -0.677 | -0.670 | -0.914 | -0.965 | -0.729 | -0.506 | -0.279 | 0.105 | 0.284 | 0.237 | 0.422 | 0.406 | 0.176 | 0.179 | 0.422 | -0.965 | -0.104 |
| 12/05/09 | 0.212 | 0.278 | 0.293 | 0.287 | 0.186 | 0.128 | 0.186 | 0.099 | -0.055 | -0.309 | -0.439 | -0.834 | -0.837 | -0.648 | -0.511 | -0.316 | -0.062 | 0.027 | 0.591 | 1.138 | 1.223 | 1.456 | 1.118 | 1.837 | 1.837 | -0.837 | 0.210 |
| 12/06/09 | 1.062 | 0.590 | 0.570 | 0.611 | 0.177 | 0.411 | 0.244 | 0.127 | 0.004 | -0.081 | -0.215 | -0.241 | -0.333 | -0.390 | -0.282 | -0.175 | -0.114 | 0.097 | 0.345 | 0.184 | 0.205 | 0.173 | 0.163 | 0.077 | 1.062 | -0.390 | 0.134 |
| 12/07/09 | 0.116 | 0.175 | 0.176 | 0.222 | 0.272 | 0.151 | 0.205 | 0.166 | 0.034 | -0.022 | 0.009 | 0.033 | 0.034 | 0.027 | -0.002 | -0.032 | -0.030 | 0.003 | 0.040 | 0.053 | 0.068 | 0.076 | 0.142 | 0.126 | 0.272 | -0.032 | 0.085 |
| 12/08/09 | 0.038 | -0.022 | -0.078 | 0.004 | -0.012 | -0.007 | 0.048 | 0.097 | -0.178 | -0.391 | -0.533 | -0.630 | -0.711 | -0.640 | -0.685 | -0.526 | -0.271 | 0.069 | 0.331 | 0.555 | 0.569 | 0.371 | 0.449 | 0.382 | 0.569 | -0.711 | -0.074 |
| 12/09/09 | 0.557 | 0.396 | 0.163 | 0.252 | 0.150 | 0.249 | 0.279 | 0.307 | -0.056 | -0.193 | -0.518 | -0.635 | -0.447 | -0.638 | -0.561 | -0.463 | -0.230 | 0.065 | 0.278 | 0.471 | 0.455 | 0.473 | 0.625 | 0.644 | 0.644 | -0.638 | 0.068 |
| 12/10/09 | 0.541 | 0.552 | 0.781 | 0.595 | 0.604 | 0.522 | 0.470 | 0.460 | 0.085 | -0.177 | -0.505 | -0.550 | -0.586 | -0.459 | -0.308 | -0.305 | -0.206 | 0.058 | 0.662 | 1.099 | 0.995 | 0.737 | 0.689 | 0.667 | 1.099 | -0.586 | 0.268 |
| 12/11/09 | 0.517 | 0.605 | 0.954 | 0.937 | 0.483 | 0.704 | 0.630 | 0.629 | 0.312 | -0.303 | -0.404 | -0.430 | -0.597 | -0.709 | -0.581 | -0.463 | -0.162 | 0.064 | 0.183 | 0.528 | 0.697 | 0.990 | 1.481 | 0.648 | 1.481 | -0.709 | 0.280 |
| 12/12/09 | 0.530 | 0.769 | 1.062 | 0.916 | 1.056 | 0.847 | 1.007 | 0.759 | 0.342 | -0.029 | -0.306 | -0.368 | -0.435 | -0.392 | -0.330 | -0.440 | -0.099 | 0.255 | 0.551 | 0.512 | 0.373 | 0.469 | 0.521 | 0.656 | 1.062 | -0.440 | 0.343 |
| 12/13/09 | 0.606 | 0.516 | 0.620 | 0.568 | 0.528 | 0.817 | 0.734 | 0.730 | 0.323 | -0.287 | -0.591 | -0.557 | -0.580 | -0.286 | -0.155 | -0.190 | -0.112 | -0.099 | -0.061 | 0.036 | 0.074 | 0.097 | 0.119 | 0.121 | 0.817 | -0.591 | 0.124 |
| 12/14/09 | 0.181 | 0.187 | 0.201 | 0.131 | 0.274 | 0.327 | 0.312 | 0.145 | 0.253 | -0.235 | -0.327 | -0.782 | -0.698 | -0.784 | -0.618 | -0.560 | -0.321 | 0.058 | 0.062 | 0.439 | 0.663 | 0.470 | 0.591 | 0.281 | 0.663 | -0.784 | 0.010 |
| 12/15/09 | 0.300 | 0.291 | 0.221 | 0.278 | 0.274 | 0.378 | 0.445 | 0.339 | 0.083 | -0.315 | -0.500 | -0.753 | -0.508 | -0.507 | -0.511 | -0.379 | -0.028 | 0.244 | 0.269 | 0.265 | 0.235 | 0.231 | 0.222 | 0.154 | 0.445 | -0.753 | 0.030 |
| 12/16/09 | 0.150 | 0.151 | 0.157 | 0.182 | 0.163 | 0.231 | 0.198 | 0.131 | 0.021 | -0.280 | -0.261 | -0.380 | -0.494 | -0.415 | -0.433 | -0.424 | -0.127 | 0.182 | 0.171 | 0.334 | 0.390 | 0.334 | 0.623 | 0.462 | 0.623 | -0.494 | 0.044 |
| 12/17/09 | 0.436 | 0.329 | 0.310 | 0.686 | 0.522 | 0.495 | 0.479 | 0.641 | 0.167 | -0.285 | -0.664 | -0.717 | -0.892 | -0.743 | -0.748 | -0.507 | -0.203 | 0.316 | 0.427 | 0.850 | 0.792 | 0.774 | 0.838 | 1.122 | 1.122 | -0.892 | 0.184 |
| 12/18/09 | 0.677 | 1.067 | 1.269 | 0.850 | 0.757 | 0.691 | 0.706 | 0.533 | 0.215 | -0.411 | -0.493 | -0.719 | -1.031 | -1.009 | -0.757 | -0.467 | -0.236 | 0.063 | 0.698 | 0.863 | 0.914 | 0.833 | 0.702 | 0.376 | 1.269 | -1.031 | 0.254 |
| 12/19/09 | 0.431 | 0.572 | 0.473 | 0.487 | 0.327 | 0.210 | 0.128 | 0.213 | 0.107 | -0.288 | -0.533 | -0.629 | -0.764 | -0.739 | -0.495 | -0.335 | -0.090 | 0.165 | 0.106 | 0.266 | 0.353 | 0.449 | 0.294 | 0.261 | 0.572 | -0.764 | 0.040 |
| 12/20/09 | 0.351 | 0.157 | 0.189 | 0.306 | 0.182 | 0.129 | 0.088 | 0.137 | 0.036 | -0.147 | -0.301 | -0.625 | -0.797 | -0.492 | -0.395 | -0.200 | -0.062 | 0.107 | 0.184 | 0.266 | 0.393 | 0.364 | 0.359 | 0.294 | 0.393 | -0.797 | 0.022 |
| 12/21/09 | 0.323 | 0.374 | 0.367 | 0.389 | 0.443 | 0.462 | 0.415 | 0.409 | 0.189 | -0.318 | -0.317 | -0.552 | -0.632 | -0.473 | -0.245 | -0.192 | -0.056 | 0.180 | 0.534 | 0.337 | 0.657 | 0.614 | 1.159 | 1.027 | 1.159 | -0.632 | 0.212 |
| 12/22/09 | 0.810 | 0.894 | 0.900 | 0.790 | 0.750 | 0.428 | 0.985 | 0.845 | 0.504 | 0.184 | -0.082 | -0.201 | -0.232 | -0.345 | -0.141 | -0.061 | -0.120 | -0.093 | -0.047 | -0.031 | 0.108 | 0.288 | 0.120 | 0.028 | 0.985 | -0.345 | 0.262 |
| 12/23/09 | 0.161 | -0.027 | 0.012 | 0.026 | 0.203 | 0.012 | 0.124 | 0.143 | -0.077 | -0.352 | -0.284 | -0.364 | -0.498 | -0.549 | -0.529 | -0.610 | -0.368 | -0.088 | 0.105 | 0.241 | 0.649 | 0.452 | 0.476 | 0.669 | 0.669 | -0.610 | -0.020 |
| 12/24/09 | 0.872 | 0.595 | 0.969 | 0.725 | 0.954 | 0.791 | 0.593 | INV | 0.325 | -0.297 | -0.527 | -0.696 | -0.575 | -0.499 | -0.301 | -0.300 | -0.196 | 0.148 | 0.403 | 0.654 | 0.557 | 0.437 | 0.555 | 0.579 | 0.969 | -0.696 | 0.251 |
| 12/25/09 | 0.776 | 0.788 | 1.173 | 0.929 | 1.164 | 1.003 | 1.034 | 1.183 | 0.670 | -0.281 | -0.471 | -0.538 | -0.639 | -0.613 | -0.517 | -0.451 | -0.242 | 0.005 | 0.144 | 0.549 | 0.699 | 0.563 | 0.447 | 0.706 | 1.183 | -0.639 | 0.337 |
| 12/26/09 | 0.566 | 0.531 | 0.552 | 0.574 | 0.524 | 0.423 | 0.520 | 0.462 | 0.209 | -0.360 | -0.597 | -0.892 | -1.022 | -0.947 | -0.730 | -0.392 | -0.123 | 0.170 | 0.286 | 0.380 | 0.360 | 0.432 | 0.329 | 0.341 | 0.574 | -1.022 | 0.067 |
| 12/27/09 | 0.523 | 0.474 | 0.496 | 0.507 | 0.623 | 0.518 | 0.572 | 0.428 | 0.436 | -0.245 | -0.513 | -0.634 | -0.949 | -0.888 | -0.845 | -0.571 | -0.251 | 0.151 | 0.444 | 0.715 | 0.395 | 0.464 | 0.327 | 0.289 | 0.715 | -0.949 | 0.103 |
| 12/28/09 | 0.273 | 0.301 | 0.281 | 0.230 | 0.152 | 0.160 | 0.171 | 0.133 | 0.085 | 0.009 | -0.055 | -0.033 | -0.104 | -0.114 | -0.127 | -0.044 | 0.063 | 0.077 | 0.083 | 0.086 | 0.153 | 0.113 | 0.124 | 0.097 | 0.301 | -0.127 | 0.088 |
| 12/29/09 | 0.082 | 0.064 | 0.070 | 0.036 | 0.060 | 0.064 | 0.042 | 0.039 | -0.018 | -0.131 | -0.168 | -0.550 | -0.690 | -0.763 | -0.496 | -0.333 | -0.140 | 0.053 | 0.214 | 0.636 | 0.498 | 0.591 | 0.591 | 0.737 | 0.737 | -0.763 | 0.020 |
| 12/30/09 | 1.548 | 0.896 | 0.552 | 0.432 | 0.720 | 1.148 | 1.158 | 1.040 | 0.373 | -0.467 | -0.735 | -0.638 | -0.754 | -0.641 | -0.426 | -0.211 | -0.096 | -0.066 | -0.008 | 0.095 | 0.119 | 0.015 | 0.077 | 0.102 | 1.548 | -0.754 | 0.176 |
| 12/31/09 | 0.129 | 0.198 | 0.672 | 0.399 | 0.416 | 0.265 | 0.488 | 0.345 | 0.113 | -0.385 | -0.702 | -0.811 | -0.686 | -0.553 | -0.462 | -0.364 | -0.177 | 0.041 | 0.255 | 0.368 | 0.311 | 0.325 | 0.413 | 0.320 | 0.672 | -0.811 | 0.038 |

Hourly Averages

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|---|--------|--------|--------|--------|--|--------|--------|---------------------------|-------|-------|-------|-------|-------|-------|-------|--------------------------------|--|--|--|--|--|--|--|
| 0.514 | 0.490 | 0.544 | 0.502 | 0.476 | 0.449 | 0.489 | 0.444 | 0.150 | -0.259 | -0.430 | -0.558 | -0.638 | -0.601 | -0.487 | -0.373 | -0.165 | 0.084 | 0.272 | 0.472 | 0.497 | 0.501 | 0.496 | 0.512 | | | | | | | | |
| Maximum Hourly Differential Temperature: 1.837 | | | | | | | | | | | | | Minimum Hourly Differential Temperature: -1.031 | | | | | | | | | | | | | | | | | | |
| Total Number of Observations: 743 | | | | | | | | 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

OCTOBER 2009

TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 10/01/09 | 19.4 | 19.2 | 19.0 | 18.7 | 19.0 | 17.9 | 18.4 | 19.0 | 21.1 | 22.9 | 23.6 | 25.4 | 26.5 | 27.7 | 28.0 | 27.9 | 27.5 | 26.5 | 24.4 | 23.2 | 21.9 | 20.6 | 20.3 | 20.0 | 28.0 | 17.9 | 22.4 |
| 10/02/09 | 19.5 | 19.2 | 18.7 | 18.4 | 17.2 | 17.4 | 17.5 | 18.7 | 22.0 | 24.0 | 25.5 | 26.2 | 27.4 | 27.7 | 27.7 | 27.6 | 27.0 | 25.8 | 24.9 | 24.5 | 23.7 | 23.1 | 22.3 | 22.0 | 27.7 | 17.2 | 22.8 |
| 10/03/09 | 22.1 | 22.2 | 21.0 | 19.9 | 18.9 | 18.3 | 17.6 | 18.9 | 20.6 | 21.8 | 22.8 | 23.8 | 24.7 | 25.6 | 25.7 | 25.9 | 25.7 | 24.8 | 23.4 | 22.6 | 22.2 | 21.9 | 21.3 | 20.5 | 25.9 | 17.6 | 22.2 |
| 10/04/09 | 19.8 | 19.4 | 19.3 | 19.0 | 18.8 | 18.7 | 18.7 | 19.0 | 19.8 | 21.3 | 23.2 | 24.6 | 25.4 | 26.3 | 27.0 | 27.2 | 26.8 | 25.7 | 24.6 | 23.5 | 22.6 | 21.0 | 20.0 | 19.8 | 27.2 | 18.7 | 22.1 |
| 10/05/09 | 19.5 | 18.8 | 17.8 | 17.5 | 17.2 | 16.7 | 16.9 | 17.6 | 18.2 | 19.1 | 19.9 | 20.8 | 20.6 | 21.3 | 22.5 | 22.7 | 22.3 | 21.5 | 20.0 | 19.0 | 18.4 | 17.9 | 17.7 | 17.4 | 22.7 | 16.7 | 19.2 |
| 10/06/09 | 17.3 | 17.0 | 16.3 | 16.4 | 16.9 | 18.2 | 18.2 | 18.8 | 21.1 | 22.6 | 23.1 | 23.7 | 24.1 | 24.8 | 25.0 | 25.3 | 24.9 | 23.9 | 22.6 | 22.0 | 20.9 | 20.7 | 19.2 | 18.5 | 25.3 | 16.3 | 20.9 |
| 10/07/09 | 18.2 | 17.9 | 17.8 | 17.5 | 17.6 | 17.0 | 16.6 | 17.5 | 19.9 | 19.3 | 19.4 | 20.0 | 20.8 | 22.1 | 21.6 | 22.0 | 22.0 | 21.2 | 19.6 | 18.4 | 17.6 | 17.3 | 16.9 | 16.5 | 22.1 | 16.5 | 18.9 |
| 10/08/09 | 16.3 | 16.2 | 15.6 | 15.3 | 14.4 | 14.5 | 14.0 | 15.1 | 17.3 | 18.2 | 19.2 | 20.2 | 21.1 | 21.5 | 21.9 | 21.7 | 21.4 | 20.6 | 19.2 | 18.5 | 18.1 | 17.5 | 16.8 | 16.2 | 21.9 | 14.0 | 17.9 |
| 10/09/09 | 16.1 | 16.1 | 16.0 | 15.2 | 15.1 | 15.0 | 15.0 | 15.6 | 18.8 | 21.0 | 22.0 | 23.2 | 23.8 | 24.4 | 24.8 | 24.9 | 24.6 | 23.3 | 21.5 | 20.7 | 19.8 | 18.7 | 18.7 | 18.5 | 24.9 | 15.0 | 19.7 |
| 10/10/09 | 18.7 | 18.4 | 19.2 | 18.9 | 17.9 | 18.9 | 18.5 | 18.9 | 21.1 | 24.2 | 25.9 | 26.6 | 27.2 | 27.2 | 27.1 | 26.3 | 25.7 | 24.7 | 23.5 | 22.1 | 21.2 | 20.2 | 20.3 | 20.5 | 27.2 | 17.9 | 22.2 |
| 10/11/09 | 20.1 | 19.5 | 19.1 | 19.4 | 18.8 | 19.1 | 17.9 | 19.1 | 22.2 | 22.9 | 23.4 | 24.3 | 25.0 | 25.7 | 25.9 | 25.8 | 25.1 | 24.3 | 23.1 | 22.5 | 21.2 | 20.9 | 20.9 | 20.4 | 25.9 | 17.9 | 21.9 |
| 10/12/09 | 19.7 | 19.4 | 18.2 | 17.9 | 17.8 | 17.8 | 17.5 | 18.6 | 20.8 | 21.9 | 22.8 | 24.0 | 25.2 | 26.1 | 26.7 | 26.9 | 26.1 | 25.0 | 24.0 | 23.2 | 22.6 | 21.3 | 20.7 | 20.1 | 26.9 | 17.5 | 21.8 |
| 10/13/09 | 19.5 | 18.7 | 17.7 | 17.0 | 16.6 | 16.3 | 16.3 | 16.5 | 17.3 | 18.4 | 19.7 | 21.7 | 23.1 | 23.8 | 24.3 | 24.0 | 23.8 | 22.9 | 21.9 | 21.4 | 20.4 | 20.1 | 19.7 | 19.2 | 24.3 | 16.3 | 20.0 |
| 10/14/09 | 18.6 | 18.4 | 17.8 | 17.5 | 17.0 | 17.0 | 16.8 | 17.6 | 20.8 | 23.0 | 23.8 | 24.8 | 25.2 | 25.5 | 26.2 | 26.4 | 25.8 | 24.5 | 22.9 | 22.3 | 21.4 | 20.9 | 20.1 | 19.6 | 26.4 | 16.8 | 21.4 |
| 10/15/09 | 19.9 | 19.5 | 18.9 | 18.5 | 18.9 | 19.2 | 18.6 | 19.1 | 22.3 | 24.7 | 26.6 | 27.7 | 28.0 | 28.5 | 28.9 | 28.9 | 28.5 | 27.1 | 25.8 | 24.6 | 23.7 | 24.3 | 24.1 | 24.1 | 28.9 | 18.5 | 23.7 |
| 10/16/09 | 22.4 | 22.6 | 22.9 | 21.6 | 21.4 | 21.7 | 21.8 | 22.4 | 26.1 | 28.0 | 29.6 | 30.9 | 32.2 | 33.1 | 33.6 | 33.6 | 33.4 | 32.2 | 30.9 | 29.2 | 29.1 | 28.8 | 30.0 | 30.1 | 33.6 | 21.4 | 27.8 |
| 10/17/09 | 29.2 | 28.4 | 27.7 | 27.3 | 25.8 | 25.5 | 24.9 | 26.3 | 28.5 | 29.8 | 30.9 | 31.9 | 32.6 | 33.5 | 33.6 | 34.1 | 33.5 | 32.4 | 31.0 | 30.2 | 29.7 | 29.0 | 28.3 | 27.9 | 34.1 | 24.9 | 29.7 |
| 10/18/09 | 27.4 | 27.0 | 26.3 | 25.9 | 25.2 | 24.8 | 24.4 | 24.5 | 25.7 | 27.6 | 29.3 | 31.0 | 31.8 | 32.3 | 32.7 | 32.5 | 31.6 | 30.1 | 29.5 | 28.4 | 27.0 | 27.2 | 26.2 | 25.8 | 32.7 | 24.4 | 28.1 |
| 10/19/09 | 25.3 | 24.8 | 24.3 | 23.5 | 23.1 | 22.7 | 22.3 | 22.7 | 25.2 | 26.0 | 27.0 | 27.8 | 28.3 | 28.4 | 29.4 | 29.3 | 28.9 | 28.0 | 26.4 | 25.3 | 25.0 | 24.3 | 23.2 | 22.3 | 29.4 | 22.3 | 25.6 |
| 10/20/09 | 21.7 | 21.1 | 20.4 | 19.8 | 19.5 | 19.0 | 18.8 | 18.6 | 18.3 | 18.0 | 20.2 | 20.4 | 20.8 | 21.2 | 21.1 | 20.8 | 20.3 | 19.4 | 18.2 | 17.2 | 16.9 | 16.4 | 15.9 | 16.1 | 21.7 | 15.9 | 19.2 |
| 10/21/09 | 15.1 | 14.7 | 15.1 | 14.4 | 14.6 | 14.4 | 14.2 | 17.5 | 18.7 | 19.8 | 20.6 | 21.5 | 22.3 | 22.6 | 22.4 | 22.0 | 20.9 | 19.4 | 19.1 | 17.7 | 17.3 | 17.3 | 17.3 | 22.6 | 14.2 | 18.1 | |
| 10/22/09 | 16.9 | 16.8 | 16.5 | 16.4 | 16.8 | 16.3 | 15.5 | 16.4 | 19.1 | 21.4 | 22.9 | 23.4 | 23.9 | 24.3 | 24.3 | 24.2 | 23.8 | 22.4 | 21.0 | 20.2 | 19.9 | 20.2 | 18.5 | 18.0 | 24.3 | 15.5 | 20.0 |
| 10/23/09 | 18.0 | 19.1 | 18.0 | 17.7 | 17.6 | 17.1 | 17.1 | 17.8 | 20.7 | 22.8 | 24.1 | 24.4 | 25.8 | 26.3 | 26.2 | 25.8 | 25.2 | 23.5 | 22.2 | 21.5 | 20.3 | 19.5 | 19.1 | 18.8 | 26.3 | 17.1 | 21.2 |
| 10/24/09 | 18.3 | 18.2 | 17.9 | 17.7 | 17.4 | 16.8 | 16.3 | 17.0 | 20.8 | 22.1 | 23.5 | 24.1 | 24.8 | 25.4 | 25.9 | 25.8 | 25.3 | 24.0 | 22.4 | 21.1 | 20.5 | 20.0 | 20.3 | 19.8 | 25.9 | 16.3 | 21.1 |
| 10/25/09 | 20.0 | 19.8 | 20.0 | 19.6 | 19.2 | 18.7 | 18.9 | 18.5 | 21.9 | 23.4 | 24.1 | 25.3 | 25.4 | 25.8 | 26.4 | 26.2 | 25.8 | 24.4 | 22.5 | 22.4 | 22.5 | 21.8 | 20.8 | 20.8 | 26.4 | 18.5 | 22.2 |
| 10/26/09 | 20.9 | 20.9 | 20.7 | 20.0 | 18.8 | 17.8 | 17.5 | 17.4 | 18.2 | 18.1 | 19.5 | 21.1 | 22.9 | 24.2 | 24.8 | 25.1 | 24.7 | 23.3 | 22.2 | 19.7 | 18.9 | 18.6 | 18.1 | 17.7 | 25.1 | 17.4 | 20.5 |
| 10/27/09 | 18.0 | 18.1 | 18.0 | 17.4 | 17.2 | 16.9 | 16.3 | 16.4 | 17.9 | 19.6 | 20.3 | 21.7 | 23.2 | 24.5 | 24.7 | 24.5 | 23.9 | 23.0 | 22.2 | 21.2 | 20.5 | 18.7 | 17.2 | 15.5 | 24.7 | 15.5 | 19.9 |
| 10/28/09 | 14.0 | 13.0 | 11.7 | 10.7 | 9.6 | 7.9 | 6.7 | 6.3 | 7.6 | 8.2 | 9.5 | 9.8 | 10.2 | 10.4 | 10.0 | 9.4 | 9.4 | 8.8 | 8.0 | 7.4 | 6.8 | 6.3 | 6.0 | 5.8 | 14.0 | 5.8 | 8.9 |
| 10/29/09 | 5.4 | 5.2 | 5.0 | 4.4 | 4.5 | 4.8 | 4.0 | 4.5 | 7.8 | 9.0 | 9.9 | 11.0 | 11.1 | 11.5 | 11.6 | 11.7 | 11.6 | 10.9 | 9.9 | 9.4 | 9.0 | 8.6 | 8.0 | 7.8 | 11.7 | 4.0 | 8.2 |
| 10/30/09 | 7.5 | 7.3 | 7.5 | 7.9 | 7.1 | 6.2 | 6.2 | 6.8 | 8.9 | 11.0 | 12.8 | 13.3 | 14.3 | 15.2 | 15.9 | 15.9 | 15.1 | 14.0 | 13.3 | 12.0 | 11.5 | 11.0 | 12.6 | 12.7 | 15.9 | 6.2 | 11.1 |
| 10/31/09 | 12.9 | 15.0 | 14.8 | 14.4 | 13.9 | 13.8 | 14.6 | 15.1 | 17.4 | 18.0 | 18.5 | 20.5 | 22.1 | 23.3 | 24.8 | 25.4 | 24.7 | 23.3 | 21.4 | 20.6 | 20.7 | 19.4 | 18.7 | 19.2 | 25.4 | 12.9 | 18.8 |

Hourly Averages

18.6 18.4 18.0 17.6 17.2 17.0 16.7 19.5 20.9 22.0 23.0 23.8 24.5 24.9 24.8 24.4 23.3 22.0 21.1 20.4 19.8 19.3 19.0

Maximum Hourly Temperature: 34.1

Minimum Hourly Temperature: 4.0

Average Monthly Temperature: 20.6

Maximum 24-Hour Mean: 29.7

Minimum 24-Hour Mean: 8.2

Total Number of Observations: 744

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

NOVEMBER 2009

TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 11/01/09 | 18.7 | 20.1 | 19.0 | 18.8 | 18.1 | 17.9 | 17.9 | 18.0 | 20.4 | 21.7 | 22.8 | 24.4 | 26.3 | 27.6 | 27.2 | 27.4 | 26.9 | 24.9 | 23.6 | 21.5 | 20.4 | 19.9 | 19.8 | 19.5 | 27.6 | 17.9 | 21.8 |
| 11/02/09 | 19.6 | 19.2 | 19.6 | 18.5 | 18.1 | 18.5 | 17.2 | 18.1 | 20.4 | 23.8 | 26.1 | 28.0 | 28.2 | 28.3 | 28.8 | 29.2 | 28.2 | 26.0 | 24.3 | 22.9 | 21.8 | 22.6 | 23.6 | 22.2 | 29.2 | 17.2 | 23.0 |
| 11/03/09 | 22.7 | 23.2 | 23.5 | 23.2 | 22.7 | 22.7 | 21.6 | 22.8 | 24.9 | 26.0 | 26.8 | 28.1 | 28.9 | 30.1 | 31.1 | 31.0 | 30.5 | 28.6 | 27.1 | 26.7 | 26.5 | 25.2 | 23.4 | 24.5 | 31.1 | 21.6 | 25.9 |
| 11/04/09 | 24.5 | 24.3 | 23.6 | 23.4 | 23.4 | 23.3 | 22.8 | 22.8 | 23.7 | 24.8 | 26.5 | 28.0 | 28.9 | 29.5 | 30.2 | 29.5 | 28.8 | 27.9 | 27.0 | 26.5 | 26.4 | 26.1 | 25.5 | 25.5 | 30.2 | 22.8 | 26.0 |
| 11/05/09 | 25.0 | 24.7 | 24.4 | 24.2 | 24.2 | 23.7 | 23.6 | 23.4 | 24.0 | 25.6 | 27.0 | 28.0 | 29.6 | 29.9 | 30.3 | 30.4 | 29.4 | 27.5 | 26.1 | 24.1 | 23.5 | 22.8 | 22.1 | 22.7 | 30.4 | 22.1 | 25.7 |
| 11/06/09 | 22.6 | 21.3 | 21.0 | 21.3 | 21.4 | 21.3 | 21.3 | 21.3 | 23.5 | 25.6 | 27.4 | 27.9 | 26.0 | 25.4 | 24.9 | 25.5 | 24.5 | 23.1 | 22.7 | 22.6 | 21.4 | 21.4 | 20.7 | 20.3 | 27.9 | 20.3 | 23.1 |
| 11/07/09 | 20.1 | 19.3 | 18.9 | 19.0 | 18.5 | 18.4 | 18.5 | 17.7 | 21.0 | 23.7 | 25.7 | 26.8 | 26.4 | 26.6 | 27.3 | 26.8 | 25.8 | 24.1 | 23.0 | 21.7 | 20.6 | 19.2 | 18.7 | 18.5 | 27.3 | 17.7 | 21.9 |
| 11/08/09 | 18.0 | 17.9 | 17.5 | 17.3 | 17.0 | 16.7 | 16.5 | 16.9 | 19.8 | 21.7 | 23.3 | 24.5 | 24.7 | 25.5 | 25.0 | 24.6 | 23.7 | 22.4 | 21.7 | 20.2 | 19.2 | 18.6 | 18.6 | 17.8 | 25.5 | 16.5 | 20.4 |
| 11/09/09 | 17.3 | 18.1 | 17.7 | 17.4 | 17.2 | 16.9 | 16.8 | 17.1 | 20.4 | 23.1 | 24.6 | 25.1 | 25.7 | 26.7 | 26.2 | 25.9 | 25.2 | 23.7 | 22.5 | 21.8 | 22.5 | 23.1 | 23.2 | 22.3 | 26.7 | 16.8 | 21.7 |
| 11/10/09 | 21.4 | 22.2 | 22.1 | 22.1 | 22.0 | 21.8 | 21.3 | 21.5 | 22.5 | 23.7 | 25.1 | 26.4 | 27.5 | 28.3 | 28.9 | 28.7 | 28.4 | 27.0 | 25.7 | 25.4 | 25.5 | 24.9 | 24.4 | 23.8 | 28.9 | 21.3 | 24.6 |
| 11/11/09 | 23.2 | 22.7 | 22.2 | 21.9 | 21.4 | 21.3 | 21.4 | 21.5 | 22.3 | 23.2 | 23.4 | 23.3 | 25.3 | 26.7 | 27.5 | 27.3 | 26.6 | 25.2 | 24.3 | 23.6 | 23.2 | 22.6 | 22.4 | 21.9 | 27.5 | 21.3 | 23.5 |
| 11/12/09 | 21.0 | 21.0 | 20.6 | 20.3 | 19.5 | 18.7 | 18.3 | 18.4 | 19.8 | 22.3 | 22.4 | 22.8 | 22.7 | 21.8 | 21.4 | 21.4 | 21.2 | 20.6 | 20.3 | 19.9 | 19.6 | 19.0 | 18.3 | 17.8 | 22.8 | 17.8 | 20.4 |
| 11/13/09 | 17.1 | 17.0 | 16.6 | 16.4 | 16.3 | 16.1 | 15.8 | 15.1 | 14.1 | 14.6 | 15.0 | 15.1 | 15.9 | 15.7 | 15.9 | 15.6 | 15.3 | 15.0 | 14.9 | 13.5 | 12.7 | 12.3 | 12.5 | 12.2 | 17.1 | 12.2 | 15.0 |
| 11/14/09 | 11.8 | 11.5 | 11.2 | 11.2 | 11.2 | 11.1 | 10.7 | 11.1 | 12.2 | 12.3 | 13.9 | 13.9 | 13.8 | 14.8 | 12.7 | 11.3 | 12.7 | 11.5 | 11.0 | 10.5 | 10.3 | 9.9 | 9.5 | 9.2 | 14.8 | 9.2 | 11.6 |
| 11/15/09 | 8.9 | 8.7 | 8.8 | 8.9 | 8.5 | 8.7 | 8.0 | 8.1 | 10.5 | 11.7 | 12.9 | 13.3 | 14.3 | 14.7 | 15.1 | 15.1 | 14.7 | 13.7 | 13.1 | 12.7 | 11.2 | 10.5 | 9.8 | 9.9 | 15.1 | 8.0 | 11.3 |
| 11/16/09 | 9.4 | 11.4 | 11.5 | 11.8 | 12.4 | 12.6 | 12.4 | 12.0 | 12.8 | 13.7 | 15.2 | 16.0 | 16.9 | 17.7 | 18.8 | 19.3 | 19.0 | 18.1 | 16.7 | 16.0 | 15.4 | 14.4 | 14.4 | 15.4 | 19.3 | 9.4 | 14.7 |
| 11/17/09 | 15.8 | 15.4 | 15.3 | 14.9 | 13.9 | 13.7 | 13.4 | 13.6 | 15.1 | 15.7 | 17.2 | 18.5 | 19.8 | 21.0 | 21.7 | 21.4 | 20.9 | 19.2 | 18.5 | 17.9 | 17.7 | 17.6 | 17.6 | 17.1 | 21.7 | 13.4 | 17.2 |
| 11/18/09 | 16.8 | 16.5 | 16.2 | 15.9 | 15.7 | 15.5 | 15.3 | 15.1 | 16.3 | 17.6 | 18.9 | 21.0 | 21.9 | 21.6 | 22.6 | 22.2 | 21.2 | 19.4 | 17.7 | 16.6 | 16.0 | 15.3 | 14.6 | 14.1 | 22.6 | 14.1 | 17.7 |
| 11/19/09 | 13.7 | 13.5 | 13.8 | 12.9 | 13.5 | 13.2 | 12.3 | 11.9 | 15.2 | 17.4 | 19.5 | 19.9 | 20.3 | 20.9 | 20.7 | 20.7 | 19.9 | 18.1 | 16.4 | 15.4 | 14.6 | 15.2 | 13.9 | 14.0 | 20.9 | 11.9 | 16.1 |
| 11/20/09 | 15.0 | 15.0 | 15.6 | 14.8 | 13.5 | 12.9 | 12.8 | 12.7 | 14.9 | 17.8 | 20.4 | 21.5 | 22.3 | 22.9 | 23.1 | 23.2 | 22.0 | 19.9 | 18.0 | 17.8 | 17.5 | 17.3 | 16.8 | 16.3 | 23.2 | 12.7 | 17.7 |
| 11/21/09 | 16.3 | 16.7 | 17.0 | 16.2 | 15.9 | 15.4 | 14.8 | 14.8 | 16.2 | 18.2 | 19.7 | 20.7 | 21.7 | 21.6 | 21.4 | 21.0 | 20.0 | 18.3 | 17.4 | 16.0 | 15.1 | 15.2 | 14.4 | 13.8 | 21.7 | 13.8 | 17.4 |
| 11/22/09 | 13.0 | 13.0 | 12.5 | 12.8 | 12.7 | 12.0 | 13.4 | 13.2 | 14.4 | 17.2 | 19.1 | 20.1 | 20.4 | 20.9 | 21.5 | 21.0 | 19.8 | 18.1 | 16.6 | 15.5 | 14.3 | 14.1 | 13.8 | 13.0 | 21.5 | 12.0 | 15.9 |
| 11/23/09 | 12.9 | 12.9 | 12.5 | 12.1 | 11.9 | 11.4 | 11.2 | 11.2 | 13.6 | 17.0 | 18.3 | 19.3 | 19.2 | 19.4 | 20.1 | 19.9 | 19.0 | 17.1 | 16.1 | 14.4 | 14.2 | 14.0 | 14.8 | 14.2 | 20.1 | 11.2 | 15.3 |
| 11/24/09 | 15.3 | 14.9 | 14.2 | 12.6 | 11.9 | 10.9 | 9.8 | 9.5 | 13.2 | 15.3 | 16.1 | 17.0 | 18.1 | 19.3 | 20.1 | 20.5 | 19.8 | 18.2 | 18.3 | 17.9 | 17.5 | 17.4 | 16.8 | 16.6 | 20.5 | 9.5 | 15.9 |
| 11/25/09 | 16.2 | 15.9 | 15.4 | 15.0 | 14.8 | 14.5 | 14.7 | 14.8 | 14.7 | 16.3 | 17.5 | 18.3 | 18.9 | 19.8 | 20.8 | 21.4 | 21.1 | 19.5 | 19.4 | 19.5 | 19.3 | 18.7 | 18.7 | 18.0 | 21.4 | 14.5 | 17.6 |
| 11/26/09 | 16.9 | 17.0 | 17.8 | 17.6 | 17.6 | 17.6 | 16.5 | 15.4 | 15.8 | 17.6 | 19.4 | 20.6 | 21.8 | 22.7 | 22.2 | 22.2 | 21.1 | 20.3 | 19.8 | 19.3 | 19.2 | 18.6 | 18.5 | 18.1 | 22.7 | 15.4 | 18.9 |
| 11/27/09 | 17.8 | 17.4 | 17.3 | 17.0 | 16.7 | 16.3 | 16.3 | 17.2 | 18.5 | 19.9 | 21.4 | 22.4 | 23.2 | 23.5 | 23.3 | 22.5 | 20.7 | 19.4 | 18.4 | 17.2 | 16.9 | 16.3 | 16.6 | 23.5 | 16.3 | 18.9 | |
| 11/28/09 | 16.5 | 16.6 | 16.4 | 15.8 | 15.9 | 16.1 | 15.3 | 15.3 | 15.5 | 16.1 | 17.5 | 17.2 | 18.6 | 19.0 | 18.9 | 18.0 | 16.6 | 14.7 | 12.8 | 12.0 | 10.9 | 10.5 | 10.0 | 9.4 | 19.0 | 9.4 | 15.2 |
| 11/29/09 | 9.0 | 8.2 | 8.0 | 8.8 | 9.3 | 9.8 | 10.4 | 10.1 | 10.2 | 11.4 | 10.0 | 12.4 | 13.1 | 8.9 | 9.8 | 12.6 | 12.5 | 12.1 | 12.0 | 11.7 | 10.4 | 10.0 | 9.9 | 10.1 | 13.1 | 8.0 | 10.4 |
| 11/30/09 | 9.9 | 10.8 | 10.6 | 10.4 | 10.1 | 9.3 | 9.2 | 9.5 | 9.7 | 10.7 | 11.8 | 12.6 | 13.8 | 14.2 | 14.2 | 13.8 | 13.1 | 12.0 | 11.2 | 10.9 | 10.5 | 9.6 | 9.1 | 14.2 | 9.1 | 11.1 | |

Hourly Averages

16.9 16.9 16.7 16.4 16.2 15.9 15.6 15.6 17.1 18.8 20.1 21.0 21.7 22.1 22.4 22.4 21.7 20.3 19.3 18.4 17.8 17.5 17.1 16.8

Maximum Hourly Temperature: 31.1

Minimum Hourly Temperature: 8.0

Average Monthly Temperature: 18.5

Maximum 24-Hour Mean: 26.0

Minimum 24-Hour Mean: 10.4

Total Number of Observations: 720

Possible Number of Observations: 720

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

DECEMBER 2009

TEMPERATURE (°C)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 12/01/09 | 8.6 | 8.5 | 8.5 | 7.4 | 7.9 | 7.5 | 7.1 | 7.5 | 9.0 | 11.8 | 12.4 | 13.5 | 14.4 | 14.7 | 14.8 | 14.7 | 14.1 | 12.8 | 12.1 | 11.7 | 10.2 | 9.4 | 9.8 | 14.8 | 7.1 | 10.8 | |
| 12/02/09 | 9.6 | 9.2 | 8.5 | 8.7 | 8.4 | 8.5 | 7.7 | 7.9 | 9.5 | 11.7 | 13.4 | 14.2 | 14.9 | 15.5 | 15.4 | 15.4 | 14.7 | 13.2 | 12.3 | 11.1 | 10.7 | 9.9 | 9.4 | 9.8 | 15.5 | 7.7 | 11.2 |
| 12/03/09 | 9.5 | 8.7 | 8.9 | 8.6 | 8.2 | 8.0 | 7.5 | 7.8 | 9.0 | 11.6 | 13.1 | 13.3 | 14.0 | 14.2 | 14.4 | 14.4 | 13.5 | 12.1 | 11.5 | 10.5 | 10.0 | 9.4 | 8.7 | 8.0 | 14.4 | 7.5 | 10.6 |
| 12/04/09 | 7.7 | 7.1 | 6.1 | 5.8 | 5.6 | 5.4 | 4.6 | 4.1 | 5.3 | 6.2 | 7.3 | 8.7 | 10.1 | 11.3 | 12.2 | 12.6 | 11.8 | 10.0 | 9.2 | 8.6 | 7.7 | 7.8 | 7.9 | 7.5 | 12.6 | 4.1 | 7.9 |
| 12/05/09 | 7.5 | 7.4 | 7.2 | 7.0 | 6.8 | 6.8 | 6.7 | 6.6 | 7.2 | 8.6 | 10.3 | 12.2 | 13.1 | 12.9 | 12.7 | 11.6 | 10.7 | 9.7 | 9.1 | 8.8 | 8.4 | 8.4 | 7.6 | 13.1 | 6.6 | 9.2 | |
| 12/06/09 | 8.0 | 7.6 | 7.1 | 6.2 | 6.8 | 6.6 | 6.7 | 5.0 | 5.3 | 5.6 | 6.1 | 7.4 | 8.7 | 9.9 | 10.0 | 10.3 | 10.4 | 10.1 | 9.6 | 10.0 | 9.9 | 9.7 | 9.3 | 9.4 | 10.4 | 5.0 | 8.1 |
| 12/07/09 | 9.2 | 9.2 | 9.0 | 9.0 | 8.9 | 8.8 | 9.1 | 9.0 | 9.1 | 9.5 | 9.1 | 9.0 | 9.1 | 8.5 | 8.5 | 8.2 | 8.0 | 8.3 | 8.5 | 8.6 | 9.3 | 9.8 | 10.0 | 9.2 | 10.0 | 8.0 | 8.9 |
| 12/08/09 | 8.7 | 7.9 | 6.5 | 6.4 | 5.6 | 4.8 | 3.6 | 2.8 | 3.3 | 4.6 | 5.2 | 5.8 | 6.2 | 6.6 | 7.1 | 7.2 | 6.9 | 5.7 | 4.9 | 4.6 | 4.0 | 4.1 | 4.4 | 4.1 | 8.7 | 2.8 | 5.5 |
| 12/09/09 | 5.3 | 4.5 | 5.6 | 5.0 | 5.6 | 5.3 | 4.9 | 4.6 | 5.3 | 6.0 | 7.9 | 8.3 | 9.3 | 9.7 | 9.4 | 9.1 | 8.5 | 7.2 | 6.3 | 5.6 | 5.2 | 4.5 | 4.1 | 4.8 | 9.7 | 4.1 | 6.3 |
| 12/10/09 | 4.5 | 4.3 | 4.4 | 4.5 | 4.8 | 4.7 | 5.1 | 5.1 | 6.5 | 8.2 | 9.6 | 11.2 | 12.2 | 11.5 | 10.4 | 10.1 | 9.9 | 8.4 | 7.1 | 6.5 | 6.1 | 5.8 | 6.2 | 7.2 | 12.2 | 4.3 | 7.3 |
| 12/11/09 | 7.0 | 6.2 | 6.1 | 6.0 | 6.1 | 6.4 | 7.3 | 7.1 | 7.8 | 9.1 | 11.5 | 13.4 | 14.5 | 14.0 | 13.5 | 13.4 | 13.4 | 11.3 | 10.2 | 9.1 | 8.5 | 8.4 | 8.1 | 9.0 | 14.5 | 6.0 | 9.5 |
| 12/12/09 | 9.0 | 8.2 | 8.0 | 7.9 | 7.5 | 8.0 | 7.6 | 8.2 | 9.3 | 10.7 | 11.1 | 12.9 | 13.8 | 14.0 | 14.2 | 14.9 | 14.0 | 12.9 | 12.0 | 12.0 | 12.1 | 12.1 | 11.5 | 11.3 | 14.9 | 7.5 | 11.0 |
| 12/13/09 | 11.8 | 11.2 | 10.2 | 10.8 | 10.3 | 9.3 | 8.5 | 8.5 | 8.5 | 12.0 | 14.7 | 15.3 | 16.1 | 15.6 | 14.7 | 13.5 | 12.2 | 11.3 | 11.2 | 11.5 | 11.2 | 11.0 | 10.7 | 10.5 | 16.1 | 8.5 | 11.7 |
| 12/14/09 | 10.7 | 10.0 | 9.8 | 9.3 | 9.3 | 9.4 | 9.0 | 9.0 | 9.8 | 11.1 | 12.2 | 13.9 | 13.8 | 14.0 | 13.9 | 13.9 | 13.3 | 11.9 | 11.3 | 10.4 | 9.6 | 9.3 | 9.8 | 10.6 | 14.0 | 9.0 | 11.0 |
| 12/15/09 | 10.4 | 9.9 | 9.5 | 9.2 | 9.5 | 9.8 | 9.2 | 9.6 | 10.7 | 11.8 | 12.0 | 13.5 | 15.1 | 16.4 | 16.8 | 17.3 | 16.7 | 14.7 | 13.6 | 13.4 | 13.2 | 13.6 | 13.7 | 13.4 | 17.3 | 9.2 | 12.6 |
| 12/16/09 | 14.1 | 14.2 | 14.1 | 14.0 | 14.2 | 13.5 | 13.3 | 14.1 | 14.1 | 15.1 | 15.7 | 16.2 | 17.0 | 17.6 | 18.3 | 18.5 | 17.3 | 16.0 | 14.9 | 14.5 | 14.9 | 14.7 | 14.3 | 14.3 | 18.5 | 13.3 | 15.2 |
| 12/17/09 | 14.3 | 14.3 | 14.1 | 13.2 | 13.4 | 13.2 | 12.9 | 12.4 | 13.6 | 15.3 | 16.7 | 17.2 | 18.0 | 19.2 | 19.9 | 20.3 | 19.3 | 16.5 | 15.6 | 14.8 | 14.5 | 13.7 | 13.5 | 12.5 | 20.3 | 12.4 | 15.3 |
| 12/18/09 | 12.8 | 12.3 | 11.6 | 11.7 | 12.4 | 12.0 | 12.0 | 12.5 | 13.2 | 14.5 | 16.5 | 17.9 | 18.6 | 19.7 | 19.3 | 18.7 | 18.2 | 16.5 | 14.9 | 13.8 | 13.5 | 13.4 | 12.7 | 12.7 | 19.7 | 11.6 | 14.6 |
| 12/19/09 | 12.3 | 12.1 | 12.0 | 12.6 | 13.9 | 13.1 | 11.9 | 12.3 | 13.6 | 14.1 | 14.6 | 15.1 | 16.7 | 17.5 | 17.4 | 17.3 | 17.0 | 16.1 | 16.0 | 15.5 | 14.4 | 12.9 | 13.9 | 14.6 | 17.5 | 11.9 | 14.4 |
| 12/20/09 | 13.0 | 13.5 | 12.6 | 11.8 | 12.4 | 12.6 | 12.4 | 12.4 | 13.1 | 14.1 | 15.4 | 16.9 | 17.2 | 17.6 | 17.5 | 17.4 | 16.8 | 15.8 | 15.1 | 14.7 | 14.8 | 14.9 | 14.8 | 14.9 | 17.6 | 11.8 | 14.6 |
| 12/21/09 | 14.6 | 14.1 | 13.6 | 13.7 | 13.5 | 13.1 | 13.0 | 13.0 | 13.8 | 15.2 | 15.8 | 17.2 | 17.5 | 17.0 | 16.3 | 15.7 | 15.2 | 14.2 | 13.3 | 13.0 | 13.2 | 13.1 | 12.5 | 12.6 | 17.5 | 12.5 | 14.3 |
| 12/22/09 | 12.4 | 11.8 | 11.7 | 11.3 | 11.0 | 10.5 | 11.0 | 10.4 | 11.0 | 12.0 | 12.9 | 13.4 | 13.5 | 14.1 | 13.9 | 7.6 | 6.7 | 6.3 | 6.1 | 6.1 | 5.4 | 5.5 | 5.3 | 14.1 | 5.3 | 9.8 | |
| 12/23/09 | 4.6 | 4.3 | 4.6 | 4.3 | 3.2 | 3.0 | 2.7 | 2.2 | 2.9 | 3.7 | 3.7 | 4.0 | 4.5 | 5.7 | 6.6 | 7.3 | 6.7 | 5.6 | 5.1 | 4.5 | 4.2 | 3.7 | 3.5 | 3.7 | 7.3 | 2.2 | 4.4 |
| 12/24/09 | 3.4 | 3.0 | 3.1 | 3.2 | 2.8 | 3.0 | 3.0 | INV | 4.5 | 6.3 | 8.5 | 10.2 | 10.8 | 11.3 | 11.4 | 11.2 | 10.3 | 8.6 | 7.4 | 6.5 | 6.3 | 5.5 | 4.6 | 4.5 | 11.4 | 2.8 | 6.5 |
| 12/25/09 | 4.3 | 4.0 | 2.9 | 3.0 | 2.7 | 2.7 | 2.5 | 2.4 | 3.5 | 6.3 | 8.3 | 9.7 | 10.1 | 10.3 | 10.1 | 9.4 | 8.0 | 7.1 | 6.3 | 5.0 | 5.2 | 5.6 | 5.1 | 10.4 | 2.4 | 6.0 | |
| 12/26/09 | 4.8 | 4.4 | 4.2 | 4.2 | 4.0 | 4.8 | 6.0 | 6.2 | 4.8 | 6.6 | 8.0 | 9.3 | 10.1 | 10.8 | 11.3 | 11.5 | 10.4 | 9.3 | 7.7 | 7.2 | 7.0 | 7.1 | 7.2 | 6.1 | 11.5 | 4.0 | 7.2 |
| 12/27/09 | 5.0 | 5.5 | 5.7 | 4.6 | 4.3 | 4.5 | 4.4 | 5.0 | 5.1 | 8.0 | 9.2 | 10.3 | 11.0 | 12.3 | 12.8 | 13.4 | 13.0 | 10.6 | 9.2 | 8.1 | 9.1 | 9.8 | 8.6 | 8.4 | 13.4 | 4.3 | 8.2 |
| 12/28/09 | 8.5 | 8.5 | 10.1 | 9.7 | 10.3 | 10.9 | 10.5 | 10.9 | 10.8 | 11.4 | 11.5 | 12.1 | 11.8 | 11.6 | 12.1 | 12.3 | 12.6 | 12.0 | 11.7 | 11.0 | 10.8 | 10.9 | 10.7 | 10.5 | 12.6 | 8.5 | 11.0 |
| 12/29/09 | 10.7 | 10.1 | 9.9 | 9.6 | 9.6 | 9.3 | 9.0 | 8.3 | 7.8 | 8.3 | 9.1 | 10.2 | 11.8 | 12.2 | 12.1 | 11.8 | 11.1 | 10.4 | 9.8 | 8.7 | 8.1 | 8.2 | 8.6 | 8.2 | 12.2 | 7.8 | 9.7 |
| 12/30/09 | 7.1 | 7.0 | 7.4 | 7.1 | 6.7 | 6.2 | 5.9 | 5.6 | 6.7 | 9.6 | 10.5 | 10.9 | 11.6 | 11.8 | 11.6 | 11.4 | 11.4 | 10.9 | 10.8 | 10.6 | 10.0 | 9.7 | 9.5 | 9.0 | 11.8 | 5.6 | 9.1 |
| 12/31/09 | 9.1 | 8.9 | 8.1 | 8.2 | 7.7 | 7.5 | 6.5 | 7.0 | 8.4 | 9.5 | 9.6 | 10.2 | 11.3 | 12.0 | 12.7 | 13.3 | 12.9 | 11.5 | 10.7 | 9.6 | 9.2 | 9.2 | 10.2 | 8.6 | 13.3 | 6.5 | 9.7 |

Hourly Averages

9.0 8.6 8.4 8.2 8.2 8.0 7.8 7.9 8.5 9.9 11.0 12.0 12.8 13.2 13.3 13.1 12.5 11.2 10.5 9.9 9.6 9.4 9.3 9.1

Maximum Hourly Temperature: 20.3 **Minimum Hourly Temperature:** 2.2 **Average Monthly Temperature:** 10.1

Maximum 24-Hour Mean: 15.3 **Minimum 24-Hour Mean:** 4.4

Total Number of Observations: 743

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

NOVEMBER 2009

RELATIVE HUMIDITY (%)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg | | |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | | |
| 11/01/09 | 17.5 | 16.9 | 17.6 | 18.5 | 19.8 | 20.5 | 21.5 | 18.7 | 17.3 | 16.8 | 16.1 | 14.3 | 12.7 | 12.9 | 12.6 | 12.3 | 13.5 | 15.4 | 18.7 | 19.6 | 20.0 | 20.7 | 24.6 | 20.3 | 24.6 | 12.3 | 17.4 | | |
| 11/02/09 | 21.9 | 21.0 | 21.2 | 22.4 | 22.4 | 22.4 | 23.3 | 19.3 | 18.2 | 13.2 | 11.2 | 11.2 | 11.7 | 11.7 | 11.7 | 11.8 | 13.5 | 15.7 | 18.7 | 18.3 | 17.7 | 11.6 | 10.3 | 10.8 | 23.3 | 10.3 | 16.3 | | |
| 11/03/09 | 11.1 | 11.1 | 11.7 | 12.2 | 12.9 | 13.2 | 13.2 | 12.6 | 11.8 | 11.5 | 10.5 | 10.2 | 10.3 | 9.3 | 8.0 | 8.2 | 8.2 | 9.2 | 8.5 | 8.4 | 9.8 | 10.7 | 11.9 | 11.4 | 13.2 | 8.0 | 10.7 | | |
| 11/04/09 | 11.9 | 12.4 | 12.9 | 12.7 | 12.8 | 12.6 | 12.7 | 13.1 | 13.0 | 11.8 | 11.3 | 10.5 | 10.2 | 10.6 | 10.6 | 11.1 | 11.1 | 11.1 | 13.3 | 14.6 | 16.7 | 17.0 | 16.6 | 19.6 | 19.8 | 17.4 | 13.1 | 10.2 | 12.1 |
| 11/05/09 | 13.4 | 13.2 | 13.4 | 13.5 | 13.5 | 13.6 | 14.0 | 13.5 | 13.4 | 12.4 | 11.8 | 11.7 | 12.6 | 11.1 | 11.1 | 11.1 | 11.1 | 13.3 | 14.6 | 16.7 | 17.0 | 16.6 | 19.6 | 19.8 | 17.4 | 19.8 | 11.1 | 14.1 | |
| 11/06/09 | 18.3 | 21.0 | 20.9 | 19.2 | 18.7 | 18.5 | 18.3 | 17.6 | 15.5 | 13.4 | 12.5 | 15.1 | 15.0 | 16.6 | 16.0 | 16.6 | 17.8 | 18.2 | 13.5 | 14.3 | 14.6 | 14.2 | 15.9 | 16.1 | 21.0 | 12.5 | 16.6 | | |
| 11/07/09 | 16.7 | 16.7 | 17.4 | 18.3 | 19.5 | 18.6 | 21.3 | 19.6 | 15.2 | 13.3 | 12.5 | 13.1 | 12.9 | 13.1 | 13.7 | 14.3 | 14.4 | 16.5 | 18.0 | 19.7 | 20.5 | 22.3 | 23.6 | 24.8 | 24.8 | 12.5 | 17.3 | | |
| 11/08/09 | 26.7 | 28.3 | 30.2 | 31.5 | 31.8 | 33.6 | 31.6 | 29.8 | 25.7 | 22.7 | 21.0 | 20.6 | 19.8 | 20.1 | 21.3 | 22.3 | 22.6 | 25.4 | 26.4 | 30.3 | 29.9 | 29.9 | 32.3 | 32.5 | 33.6 | 19.8 | 26.9 | | |
| 11/09/09 | 29.1 | 28.2 | 29.5 | 26.3 | 29.4 | 29.7 | 31.8 | 27.3 | 22.6 | 20.1 | 17.6 | 17.2 | 15.7 | 13.4 | 14.4 | 16.3 | 17.6 | 20.1 | 20.4 | 22.0 | 21.7 | 21.4 | 21.4 | 23.3 | 31.8 | 13.4 | 22.3 | | |
| 11/10/09 | 21.9 | 21.5 | 21.3 | 21.1 | 20.7 | 21.2 | 21.5 | 20.4 | 18.2 | 16.2 | 14.6 | 14.2 | 13.8 | 14.4 | 13.3 | 13.5 | 14.0 | 15.8 | 16.9 | 16.7 | 16.9 | 17.7 | 18.8 | 19.8 | 21.9 | 13.3 | 17.7 | | |
| 11/11/09 | 20.6 | 21.5 | 22.1 | 23.4 | 24.2 | 23.5 | 23.4 | 22.9 | 22.0 | 21.1 | 21.6 | 21.4 | 19.3 | 17.7 | 17.0 | 17.7 | 20.5 | 22.2 | 23.3 | 23.9 | 23.8 | 24.4 | 24.9 | 25.9 | 25.9 | 17.0 | 22.0 | | |
| 11/12/09 | 27.3 | 28.2 | 28.2 | 30.4 | 32.0 | 35.8 | 34.4 | 34.5 | 29.0 | 29.6 | 30.4 | 30.1 | 31.1 | 31.4 | 29.6 | 29.5 | 30.6 | 31.7 | 34.0 | 32.7 | 31.9 | 34.8 | 34.2 | 36.5 | 36.5 | 27.3 | 31.6 | | |
| 11/13/09 | 33.6 | 32.0 | 33.7 | 34.2 | 35.8 | 40.6 | 51.6 | 81.0 | 74.8 | 65.2 | 63.9 | 63.2 | 58.5 | 60.7 | 54.5 | 51.3 | 54.3 | 55.1 | 51.4 | 72.4 | 80.6 | 79.4 | 75.7 | 82.4 | 82.4 | 32.0 | 57.7 | | |
| 11/14/09 | 77.7 | 79.6 | 83.0 | 81.3 | 76.4 | 78.4 | 83.3 | 80.9 | 76.9 | 70.2 | 58.5 | 65.1 | 51.5 | 52.4 | 90.5 | 81.1 | 74.2 | 82.1 | 79.3 | 75.8 | 68.8 | 77.2 | 74.2 | 75.8 | 90.5 | 51.5 | 74.8 | | |
| 11/15/09 | 78.8 | 72.5 | 80.8 | 77.5 | 78.0 | 82.0 | 77.4 | 78.7 | 73.4 | 56.4 | 42.7 | 33.2 | 27.0 | 16.4 | 12.4 | 13.7 | 14.7 | 16.9 | 15.0 | 18.1 | 18.7 | 20.7 | 17.8 | 22.6 | 82.0 | 12.4 | 43.6 | | |
| 11/16/09 | 20.5 | 18.8 | 17.4 | 16.7 | 15.2 | 14.9 | 16.9 | 15.2 | 13.7 | 12.6 | 13.0 | 12.7 | 11.0 | 11.2 | 10.2 | 10.3 | 8.8 | 11.5 | 12.3 | 13.9 | 14.6 | 15.6 | 14.0 | 12.4 | 20.5 | 8.8 | 13.9 | | |
| 11/17/09 | 12.2 | 13.2 | 12.6 | 12.2 | 13.5 | 13.7 | 15.3 | 12.3 | 11.1 | 10.9 | 11.0 | 10.8 | 10.2 | 9.6 | 10.0 | 10.7 | 11.7 | 12.6 | 12.8 | 13.6 | 13.1 | 13.5 | 14.3 | 15.3 | 9.6 | 12.3 | | | |
| 11/18/09 | 14.1 | 14.5 | 15.7 | 16.3 | 16.6 | 17.8 | 18.2 | 18.1 | 16.7 | 16.5 | 14.8 | 13.1 | 13.1 | 12.7 | 13.4 | 13.9 | 15.8 | 16.8 | 18.4 | 19.8 | 18.6 | 20.2 | 22.9 | 23.1 | 23.1 | 12.7 | 16.7 | | |
| 11/19/09 | 23.8 | 22.4 | 22.2 | 21.5 | 21.3 | 23.0 | 24.7 | 25.6 | 21.7 | 18.2 | 15.9 | 15.0 | 14.2 | 14.5 | 15.8 | 15.9 | 18.0 | 19.5 | 21.3 | 22.3 | 20.8 | 23.3 | 22.8 | 18.6 | 25.6 | 14.2 | 20.1 | | |
| 11/20/09 | 17.8 | 16.1 | 18.2 | 19.1 | 20.5 | 21.9 | 20.5 | 22.4 | 18.0 | 14.8 | 12.3 | 11.7 | 10.8 | 10.4 | 10.3 | 11.0 | 12.3 | 14.9 | 15.2 | 13.9 | 14.3 | 14.2 | 18.0 | 15.6 | 22.4 | 10.3 | 15.6 | | |
| 11/21/09 | 16.1 | 15.3 | 15.8 | 17.3 | 17.7 | 18.8 | 20.0 | 19.5 | 17.2 | 15.7 | 13.5 | 13.4 | 14.6 | 13.7 | 13.5 | 14.7 | 16.2 | 18.2 | 20.7 | 22.0 | 23.0 | 21.7 | 25.3 | 23.7 | 25.3 | 13.4 | 17.8 | | |
| 11/22/09 | 28.0 | 29.5 | 26.6 | 24.7 | 26.2 | 23.7 | 25.3 | 25.6 | 21.6 | 19.7 | 17.9 | 17.5 | 15.4 | 13.3 | 13.6 | 17.2 | 17.9 | 20.5 | 22.9 | 25.4 | 25.8 | 23.6 | 25.4 | 26.5 | 29.5 | 13.3 | 22.2 | | |
| 11/23/09 | 25.9 | 24.1 | 26.3 | 28.4 | 28.9 | 29.7 | 29.6 | 28.5 | 20.4 | 20.4 | 16.7 | 17.9 | 17.5 | 18.0 | 16.2 | 16.9 | 18.9 | 21.4 | 24.6 | 24.5 | 22.4 | 20.6 | 20.0 | 13.5 | 29.7 | 13.5 | 22.1 | | |
| 11/24/09 | 12.2 | 10.7 | 12.5 | 11.1 | 12.0 | 12.9 | 13.6 | 14.8 | 10.9 | 11.1 | 11.3 | 11.2 | 11.0 | 10.8 | 10.8 | 10.8 | 11.3 | 11.4 | 11.2 | 11.4 | 11.8 | 11.9 | 12.4 | 12.4 | 14.8 | 10.7 | 11.7 | | |
| 11/25/09 | 12.4 | 12.5 | 12.9 | 13.2 | 13.4 | 13.6 | 13.5 | 13.2 | 14.3 | 12.5 | 13.8 | 12.7 | 12.2 | 11.7 | 11.4 | 11.7 | 11.6 | 12.7 | 11.2 | 11.0 | 11.0 | 11.3 | 12.0 | 14.3 | 11.0 | 12.4 | | | |
| 11/26/09 | 12.0 | 11.6 | 10.7 | 9.8 | 10.7 | 11.6 | 11.6 | 12.4 | 11.5 | 11.3 | 11.2 | 12.2 | 12.4 | 13.2 | 12.4 | 12.8 | 13.1 | 13.9 | 15.3 | 15.5 | 16.5 | 17.3 | 18.4 | 19.8 | 19.8 | 9.8 | 13.2 | | |
| 11/27/09 | 20.7 | 21.3 | 21.7 | 21.6 | 22.3 | 22.8 | 23.4 | 22.5 | 21.2 | 19.7 | 18.7 | 18.6 | 19.5 | 19.4 | 17.8 | 20.5 | 21.2 | 24.1 | 26.5 | 27.9 | 28.2 | 29.5 | 30.6 | 30.7 | 30.7 | 17.8 | 22.9 | | |
| 11/28/09 | 30.6 | 29.7 | 31.2 | 30.9 | 34.9 | 43.5 | 49.6 | 50.4 | 48.6 | 44.6 | 30.0 | 25.7 | 19.9 | 20.4 | 20.6 | 25.6 | 31.3 | 41.1 | 41.3 | 45.4 | 48.2 | 49.3 | 49.1 | 51.5 | 51.5 | 19.9 | 37.2 | | |
| 11/29/09 | 51.9 | 52.7 | 51.0 | 52.5 | 49.2 | 47.4 | 47.8 | 50.7 | 50.2 | 50.7 | 58.2 | 49.2 | 48.1 | 68.1 | 54.7 | 49.9 | 55.7 | 56.4 | 54.4 | 46.2 | 54.9 | 62.3 | 62.2 | 57.6 | 68.1 | 46.2 | 53.4 | | |
| 11/30/09 | 58.9 | 56.4 | 56.3 | 58.6 | 64.2 | 67.0 | 65.0 | 61.2 | 59.9 | 62.7 | 51.5 | 51.6 | 41.4 | 37.7 | 34.8 | 42.1 | 43.1 | 49.3 | 54.5 | 55.1 | 55.7 | 55.5 | 61.4 | 65.4 | 67.0 | 34.8 | 54.5 | | |

| Hourly Averages | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|--------------------------|------|------|------|------|------|------|-------------------------|------|------|--|--|--|--|--|
| 26.1 | 25.8 | 26.5 | 26.5 | 27.1 | 28.2 | 29.1 | 29.4 | 26.8 | 24.5 | 22.2 | 21.5 | 19.8 | 19.9 | 20.1 | 20.5 | 21.6 | 23.8 | 24.5 | 25.6 | 26.1 | 26.9 | 27.5 | 27.6 | | | | | |
| Maximum Hourly Humidity: | | | | | | | | | | | | | | Minimum Hourly Humidity: | | | | | | | | | | | | | | |
| Total Number of Observations: | | | | | | | Possible Number of Observations: | | | | | | | INV = Invalid Data | | | | | | | ND = No Data Collection | | | | | | | |

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

DECEMBER 2009

RELATIVE HUMIDITY (%)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 12/01/09 | 64.9 | 64.2 | 66.1 | 62.5 | 59.5 | 58.2 | 61.4 | 59.6 | 51.1 | 38.1 | 42.3 | 37.2 | 32.7 | 37.0 | 36.4 | 33.4 | 38.4 | 42.5 | 42.6 | 45.5 | 53.6 | 55.7 | 47.3 | 52.2 | 66.1 | 32.7 | 49.3 |
| 12/02/09 | 51.7 | 54.0 | 52.1 | 55.0 | 55.9 | 52.2 | 56.8 | 56.2 | 43.1 | 41.4 | 33.2 | 35.6 | 30.5 | 28.7 | 26.3 | 25.4 | 30.1 | 33.4 | 37.3 | 41.6 | 43.6 | 42.6 | 41.9 | 38.1 | 56.8 | 25.4 | 41.9 |
| 12/03/09 | 49.4 | 48.0 | 49.6 | 49.9 | 57.9 | 60.3 | 58.4 | 58.5 | 48.2 | 35.3 | 39.4 | 43.4 | 42.3 | 35.7 | 37.3 | 31.7 | 32.0 | 32.4 | 36.2 | 28.1 | 21.2 | 19.2 | 15.7 | 12.3 | 60.3 | 12.3 | 39.3 |
| 12/04/09 | 9.6 | 10.7 | 10.8 | 10.6 | 10.9 | 11.0 | 11.6 | 10.4 | 8.5 | 8.8 | 8.6 | 9.0 | 10.8 | 11.4 | 9.5 | 12.5 | 13.8 | 15.7 | 13.1 | 13.0 | 19.9 | 14.0 | 14.6 | 17.1 | 19.9 | 8.5 | 11.9 |
| 12/05/09 | 16.9 | 21.0 | 20.3 | 22.8 | 24.4 | 25.8 | 27.8 | 28.6 | 25.2 | 23.7 | 21.1 | 18.9 | 16.7 | 16.8 | 13.9 | 15.9 | 19.8 | 22.6 | 20.3 | 17.9 | 15.8 | 16.6 | 17.8 | 20.6 | 28.6 | 13.9 | 20.5 |
| 12/06/09 | 21.5 | 24.6 | 33.2 | 30.4 | 32.8 | 49.8 | 70.7 | 78.4 | 84.7 | 83.0 | 82.2 | 71.2 | 62.8 | 62.4 | 62.3 | 60.8 | 62.1 | 67.1 | 58.8 | 59.9 | 62.3 | 66.6 | 67.5 | 70.9 | 84.7 | 21.5 | 59.4 |
| 12/07/09 | 72.3 | 73.2 | 74.8 | 71.5 | 73.0 | 79.9 | 73.6 | 75.4 | 77.4 | 77.5 | 81.3 | 87.1 | 92.6 | 91.5 | 97.7 | 95.1 | 92.6 | 93.4 | 89.2 | 85.4 | 79.6 | 82.1 | 87.2 | 97.7 | 71.5 | 82.4 | |
| 12/08/09 | 94.3 | 96.5 | 86.4 | 82.9 | 80.7 | 65.8 | 64.2 | 70.3 | 68.8 | 66.6 | 49.9 | 59.1 | 50.1 | 57.2 | 49.7 | 46.0 | 54.5 | 57.5 | 68.9 | 68.6 | 55.3 | 58.4 | 69.4 | 59.6 | 96.5 | 46.0 | 65.9 |
| 12/09/09 | 58.3 | 69.3 | 71.2 | 60.6 | 58.5 | 65.3 | 68.0 | 69.5 | 67.7 | 60.9 | 42.8 | 47.5 | 40.1 | 41.5 | 54.8 | 43.0 | 48.0 | 54.1 | 53.9 | 65.3 | 65.5 | 73.8 | 49.7 | 46.0 | 73.8 | 40.1 | 57.3 |
| 12/10/09 | 51.7 | 44.2 | 49.0 | 48.9 | 50.6 | 46.6 | 49.2 | 52.3 | 45.0 | 51.7 | 43.0 | 41.9 | 43.9 | 46.6 | 52.3 | 54.3 | 53.3 | 63.6 | 68.6 | 71.0 | 68.1 | 72.2 | 55.8 | 53.9 | 72.2 | 41.9 | 53.2 |
| 12/11/09 | 56.7 | 49.5 | 52.3 | 42.1 | 49.3 | 53.2 | 36.7 | 51.1 | 40.2 | 39.3 | 30.9 | 28.9 | 29.7 | 40.6 | 40.6 | 34.2 | 34.3 | 44.0 | 52.7 | 54.3 | 47.7 | 54.8 | 40.6 | 42.7 | 56.7 | 28.9 | 43.6 |
| 12/12/09 | 44.1 | 52.4 | 46.9 | 52.9 | 51.8 | 55.6 | 55.0 | 44.1 | 44.8 | 49.8 | 43.8 | 41.3 | 46.8 | 45.9 | 43.1 | 45.2 | 49.1 | 56.5 | 57.2 | 55.5 | 55.3 | 55.2 | 57.7 | 56.3 | 57.7 | 41.3 | 50.3 |
| 12/13/09 | 52.0 | 55.8 | 56.2 | 56.0 | 59.7 | 67.8 | 65.9 | 64.8 | 59.0 | 44.2 | 40.9 | 41.4 | 44.7 | 48.3 | 57.3 | 62.0 | 70.7 | 73.9 | 74.1 | 70.2 | 73.7 | 70.6 | 75.9 | 72.4 | 75.9 | 40.9 | 60.7 |
| 12/14/09 | 75.2 | 73.6 | 81.7 | 77.6 | 78.5 | 71.5 | 80.3 | 71.8 | 65.9 | 65.7 | 49.1 | 47.6 | 46.8 | 43.7 | 37.6 | 43.1 | 46.5 | 52.3 | 53.6 | 60.1 | 60.8 | 58.3 | 34.4 | 37.7 | 81.7 | 34.4 | 58.9 |
| 12/15/09 | 35.7 | 34.6 | 38.7 | 38.6 | 33.4 | 38.1 | 30.7 | 30.1 | 26.4 | 25.7 | 23.9 | 19.7 | 17.3 | 16.9 | 15.6 | 14.1 | 17.2 | 25.2 | 27.1 | 24.5 | 23.7 | 25.3 | 23.8 | 24.8 | 38.7 | 14.1 | 26.3 |
| 12/16/09 | 17.2 | 20.8 | 23.2 | 24.6 | 23.0 | 21.7 | 22.4 | 23.0 | 22.6 | 23.9 | 23.9 | 25.1 | 22.3 | 22.0 | 21.6 | 23.5 | 26.7 | 27.8 | 30.2 | 27.2 | 25.8 | 30.8 | 30.3 | 35.5 | 35.5 | 17.2 | 24.8 |
| 12/17/09 | 32.3 | 30.3 | 33.9 | 35.3 | 33.8 | 33.8 | 39.4 | 36.8 | 32.2 | 27.6 | 24.3 | 22.9 | 22.2 | 22.2 | 20.2 | 23.1 | 25.6 | 31.0 | 28.3 | 31.2 | 35.4 | 27.4 | 25.8 | 34.2 | 39.4 | 20.2 | 29.6 |
| 12/18/09 | 25.3 | 24.4 | 25.9 | 22.2 | 26.0 | 26.5 | 26.6 | 24.4 | 26.3 | 22.1 | 20.0 | 17.0 | 19.0 | 19.4 | 22.3 | 23.3 | 22.8 | 27.3 | 30.5 | 32.3 | 35.8 | 32.2 | 28.9 | 30.3 | 35.8 | 17.0 | 25.4 |
| 12/19/09 | 30.9 | 32.4 | 33.4 | 26.4 | 25.7 | 30.7 | 31.2 | 25.5 | 25.4 | 24.8 | 24.7 | 23.7 | 21.3 | 21.3 | 21.3 | 21.9 | 21.8 | 22.4 | 27.1 | 29.0 | 29.8 | 23.0 | 29.4 | 33.4 | 21.3 | 26.0 | |
| 12/20/09 | 28.1 | 28.0 | 31.5 | 31.0 | 29.7 | 29.7 | 30.5 | 29.6 | 27.7 | 26.3 | 24.2 | 24.1 | 22.7 | 23.4 | 22.0 | 24.2 | 27.0 | 28.0 | 27.9 | 27.5 | 25.9 | 28.1 | 27.2 | 26.7 | 31.5 | 22.0 | 27.1 |
| 12/21/09 | 27.3 | 29.5 | 29.0 | 30.1 | 29.9 | 30.9 | 30.9 | 29.7 | 28.0 | 26.7 | 25.7 | 24.3 | 25.5 | 28.8 | 31.0 | 30.4 | 32.4 | 40.6 | 36.1 | 40.9 | 26.7 | 32.5 | 31.3 | 30.8 | 40.9 | 24.3 | 30.4 |
| 12/22/09 | 34.7 | 37.0 | 33.7 | 36.2 | 40.4 | 42.0 | 38.0 | 40.8 | 36.4 | 32.3 | 31.5 | 32.3 | 29.7 | 30.3 | 35.8 | 93.3 | 95.6 | 82.7 | 84.0 | 74.0 | 76.8 | 81.7 | 79.5 | 82.7 | 95.6 | 29.7 | 53.4 |
| 12/23/09 | 91.1 | 79.9 | 82.4 | 76.8 | 86.9 | 79.7 | 80.9 | 83.5 | 67.8 | 70.2 | 68.9 | 67.3 | 73.1 | 65.6 | 71.6 | 64.0 | 68.0 | 69.3 | 73.6 | 82.8 | 81.7 | 83.8 | 84.6 | 84.4 | 91.1 | 64.0 | 76.6 |
| 12/24/09 | 92.8 | 79.8 | 82.2 | 84.7 | 84.5 | 71.4 | 77.0 | INV | 64.5 | 60.2 | 31.8 | 29.0 | 25.7 | 24.9 | 25.2 | 45.6 | 27.0 | 64.9 | 63.5 | 33.6 | 31.1 | 36.6 | 38.9 | 33.1 | 92.8 | 24.9 | 52.5 |
| 12/25/09 | 31.3 | 43.6 | 43.8 | 38.2 | 32.8 | 34.2 | 37.6 | 38.2 | 29.0 | 25.7 | 21.2 | 22.9 | 22.3 | 25.0 | 27.7 | 29.5 | 33.3 | 39.3 | 44.9 | 47.3 | 52.0 | 41.7 | 35.1 | 44.3 | 52.0 | 21.2 | 35.0 |
| 12/26/09 | 37.3 | 38.8 | 30.8 | 33.9 | 31.2 | 26.2 | 22.3 | 24.5 | 33.3 | 23.7 | 21.2 | 19.3 | 20.3 | 15.5 | 17.3 | 17.5 | 19.4 | 29.1 | 32.5 | 34.9 | 26.9 | 23.8 | 24.2 | 32.7 | 38.8 | 15.5 | 26.5 |
| 12/27/09 | 28.8 | 22.6 | 26.1 | 27.1 | 26.2 | 27.0 | 25.2 | 23.6 | 23.0 | 18.5 | 18.9 | 18.9 | 19.4 | 14.7 | 15.6 | 13.8 | 24.2 | 28.7 | 26.6 | 29.2 | 16.7 | 20.4 | 22.0 | 23.8 | 29.2 | 13.8 | 22.5 |
| 12/28/09 | 25.8 | 24.0 | 23.4 | 20.4 | 20.5 | 22.4 | 21.9 | 20.7 | 20.1 | 20.4 | 19.3 | 18.4 | 20.4 | 21.2 | 21.4 | 19.8 | 20.4 | 21.8 | 23.0 | 24.4 | 24.9 | 26.3 | 26.7 | 27.1 | 27.1 | 18.4 | 22.3 |
| 12/29/09 | 27.0 | 28.9 | 29.4 | 30.5 | 31.5 | 33.6 | 37.0 | 46.3 | 51.8 | 50.8 | 49.9 | 42.0 | 41.5 | 40.8 | 29.0 | 28.1 | 29.9 | 33.1 | 35.9 | 35.7 | 41.6 | 40.2 | 41.5 | 38.9 | 51.8 | 27.0 | 37.3 |
| 12/30/09 | 41.2 | 42.4 | 36.9 | 44.4 | 43.3 | 42.9 | 42.8 | 41.4 | 37.9 | 31.5 | 33.1 | 33.8 | 32.6 | 34.1 | 36.2 | 32.9 | 37.2 | 37.5 | 39.0 | 41.9 | 39.3 | 48.7 | 50.1 | 52.6 | 52.6 | 31.5 | 39.7 |
| 12/31/09 | 55.5 | 56.9 | 63.1 | 56.5 | 52.6 | 49.5 | 55.0 | 32.5 | 31.5 | 22.4 | 30.6 | 27.3 | 24.1 | 20.3 | 16.3 | 18.4 | 18.5 | 21.2 | 22.3 | 22.7 | 20.7 | 22.9 | 24.5 | 26.4 | 63.1 | 16.3 | 33.0 |

Hourly Averages
44.5 44.9 45.7 44.5 45.0 45.3 46.1 44.7 42.3 39.3 35.4 34.6 33.7 34.0 34.3 36.4 38.5 43.1 44.5 44.4 43.3 44.2 41.5 42.7

Maximum Hourly Humidity: 97.7 **Minimum Hourly Humidity:** 8.5

Total Number of Observations: 743 **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

OCTOBER 2009

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 |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/01/09 | 26.93 | 26.94 | 26.95 | 26.95 | 26.94 | 26.95 | 26.98 | 26.99 | 27.01 | 27.03 | 27.04 | 27.03 | 27.02 | 26.99 | 26.97 | 26.95 | 26.95 | 26.94 | 26.95 | 26.96 | 26.96 | 26.97 | 26.97 | 26.97 | 27.04 | 26.93 | 26.97 | |
| 10/02/09 | 26.96 | 26.96 | 26.95 | 26.95 | 26.95 | 26.95 | 26.96 | 26.98 | 26.97 | 26.95 | 26.93 | 26.90 | 26.88 | 26.87 | 26.87 | 26.85 | 26.84 | 26.86 | 26.86 | 26.87 | 26.88 | 26.86 | 26.98 | 26.84 | 26.92 | | | |
| 10/03/09 | 26.85 | 26.85 | 26.86 | 26.86 | 26.84 | 26.85 | 26.84 | 26.85 | 26.84 | 26.81 | 26.80 | 26.76 | 26.73 | 26.70 | 26.68 | 26.69 | 26.69 | 26.70 | 26.70 | 26.71 | 26.71 | 26.72 | 26.86 | 26.68 | 26.78 | | | |
| 10/04/09 | 26.73 | 26.72 | 26.72 | 26.71 | 26.71 | 26.71 | 26.73 | 26.74 | 26.75 | 26.75 | 26.74 | 26.72 | 26.70 | 26.68 | 26.67 | 26.67 | 26.67 | 26.67 | 26.70 | 26.71 | 26.73 | 26.76 | 26.76 | 26.76 | 26.66 | 26.72 | | |
| 10/05/09 | 26.77 | 26.77 | 26.79 | 26.78 | 26.79 | 26.79 | 26.81 | 26.82 | 26.84 | 26.84 | 26.84 | 26.84 | 26.83 | 26.82 | 26.81 | 26.81 | 26.82 | 26.83 | 26.83 | 26.85 | 26.85 | 26.85 | 26.85 | 26.85 | 26.77 | 26.82 | | |
| 10/06/09 | 26.85 | 26.85 | 26.84 | 26.83 | 26.82 | 26.82 | 26.83 | 26.83 | 26.85 | 26.85 | 26.85 | 26.84 | 26.82 | 26.80 | 26.78 | 26.77 | 26.78 | 26.78 | 26.79 | 26.79 | 26.80 | 26.80 | 26.85 | 26.77 | 26.82 | | | |
| 10/07/09 | 26.80 | 26.80 | 26.81 | 26.78 | 26.80 | 26.80 | 26.81 | 26.83 | 26.84 | 26.86 | 26.87 | 26.85 | 26.83 | 26.81 | 26.80 | 26.80 | 26.80 | 26.80 | 26.82 | 26.83 | 26.84 | 26.85 | 26.87 | 26.78 | 26.82 | | | |
| 10/08/09 | 26.85 | 26.86 | 26.87 | 26.87 | 26.87 | 26.87 | 26.89 | 26.91 | 26.93 | 26.95 | 26.95 | 26.94 | 26.94 | 26.92 | 26.94 | 26.95 | 26.95 | 26.97 | 26.98 | 27.00 | 27.01 | 27.01 | 27.01 | 27.01 | 26.85 | 26.93 | | |
| 10/09/09 | 27.00 | 27.01 | 27.02 | 27.02 | 27.03 | 27.03 | 27.04 | 27.05 | 27.06 | 27.06 | 27.05 | 27.03 | 27.00 | 26.97 | 26.96 | 26.94 | 26.93 | 26.94 | 26.94 | 26.94 | 26.94 | 26.94 | 27.06 | 26.93 | 27.00 | | | |
| 10/10/09 | 26.92 | 26.92 | 26.91 | 26.89 | 26.89 | 26.89 | 26.89 | 26.89 | 26.90 | 26.90 | 26.89 | 26.87 | 26.85 | 26.83 | 26.80 | 26.80 | 26.79 | 26.79 | 26.79 | 26.80 | 26.80 | 26.81 | 26.80 | 26.92 | 26.79 | 26.85 | | |
| 10/11/09 | 26.80 | 26.81 | 26.80 | 26.79 | 26.79 | 26.80 | 26.81 | 26.82 | 26.84 | 26.85 | 26.86 | 26.85 | 26.84 | 26.81 | 26.79 | 26.78 | 26.78 | 26.78 | 26.79 | 26.80 | 26.80 | 26.82 | 26.82 | 26.83 | 26.86 | 26.78 | 26.81 | |
| 10/12/09 | 26.83 | 26.83 | 26.83 | 26.83 | 26.84 | 26.84 | 26.85 | 26.85 | 26.86 | 26.86 | 26.85 | 26.85 | 26.82 | 26.78 | 26.75 | 26.73 | 26.71 | 26.71 | 26.72 | 26.73 | 26.74 | 26.76 | 26.79 | 26.81 | 26.86 | 26.71 | 26.80 | |
| 10/13/09 | 26.83 | 26.84 | 26.85 | 26.86 | 26.87 | 26.88 | 26.90 | 26.91 | 26.93 | 26.95 | 26.94 | 26.94 | 26.94 | 26.92 | 26.92 | 26.90 | 26.91 | 26.91 | 26.92 | 26.93 | 26.95 | 26.96 | 26.97 | 26.98 | 26.98 | 26.83 | 26.91 | |
| 10/14/09 | 26.99 | 26.99 | 27.00 | 27.00 | 26.99 | 27.01 | 27.02 | 27.03 | 27.05 | 27.06 | 27.06 | 27.05 | 27.03 | 27.03 | 27.01 | 26.99 | 26.98 | 26.98 | 26.99 | 26.99 | 27.00 | 27.00 | 27.01 | 27.06 | 26.97 | 27.01 | | |
| 10/15/09 | 26.99 | 26.99 | 26.99 | 26.99 | 26.99 | 27.00 | 27.01 | 27.01 | 27.02 | 27.02 | 27.02 | 27.00 | 26.99 | 26.97 | 26.94 | 26.93 | 26.93 | 26.92 | 26.94 | 26.95 | 26.96 | 26.96 | 26.96 | 27.02 | 26.92 | 26.98 | | |
| 10/16/09 | 26.94 | 26.94 | 26.94 | 26.94 | 26.94 | 26.94 | 26.95 | 26.96 | 26.96 | 26.98 | 26.98 | 26.97 | 26.96 | 26.95 | 26.92 | 26.89 | 26.88 | 26.88 | 26.89 | 26.90 | 26.91 | 26.92 | 26.92 | 26.93 | 26.98 | 26.87 | 26.93 | |
| 10/17/09 | 26.92 | 26.93 | 26.94 | 26.93 | 26.95 | 26.96 | 26.97 | 26.98 | 26.99 | 27.00 | 27.01 | 27.00 | 26.99 | 26.96 | 26.93 | 26.92 | 26.92 | 26.92 | 26.93 | 26.93 | 26.94 | 26.96 | 26.96 | 27.01 | 26.92 | 26.95 | | |
| 10/18/09 | 26.96 | 26.96 | 26.97 | 26.98 | 26.99 | 27.00 | 27.01 | 27.03 | 27.04 | 27.05 | 27.04 | 27.04 | 27.01 | 26.98 | 26.94 | 26.93 | 26.92 | 26.91 | 26.90 | 26.90 | 26.90 | 26.91 | 26.92 | 26.93 | 27.05 | 26.90 | 26.97 | |
| 10/19/09 | 26.93 | 26.93 | 26.94 | 26.93 | 26.93 | 26.94 | 26.94 | 26.95 | 26.96 | 26.96 | 26.95 | 26.93 | 26.93 | 26.90 | 26.87 | 26.85 | 26.84 | 26.82 | 26.80 | 26.80 | 26.81 | 26.82 | 26.82 | 26.97 | 26.80 | 26.89 | | |
| 10/20/09 | 26.82 | 26.81 | 26.82 | 26.80 | 26.78 | 26.76 | 26.75 | 26.77 | 26.78 | 26.79 | 26.79 | 26.77 | 26.74 | 26.72 | 26.71 | 26.71 | 26.72 | 26.73 | 26.75 | 26.77 | 26.78 | 26.79 | 26.82 | 26.71 | 26.77 | | | |
| 10/21/09 | 26.79 | 26.79 | 26.78 | 26.78 | 26.77 | 26.77 | 26.78 | 26.80 | 26.83 | 26.85 | 26.84 | 26.82 | 26.79 | 26.78 | 26.78 | 26.79 | 26.80 | 26.81 | 26.82 | 26.83 | 26.85 | 26.87 | 26.87 | 26.77 | 26.81 | | | |
| 10/22/09 | 26.86 | 26.87 | 26.87 | 26.86 | 26.85 | 26.86 | 26.88 | 26.90 | 26.91 | 26.92 | 26.91 | 26.91 | 26.88 | 26.85 | 26.84 | 26.84 | 26.85 | 26.86 | 26.86 | 26.88 | 26.89 | 26.90 | 26.92 | 26.84 | 26.87 | | | |
| 10/23/09 | 26.90 | 26.90 | 26.92 | 26.90 | 26.91 | 26.92 | 26.94 | 26.96 | 26.98 | 26.98 | 26.97 | 26.96 | 26.93 | 26.91 | 26.90 | 26.91 | 26.92 | 26.93 | 26.94 | 26.95 | 26.96 | 26.96 | 27.02 | 26.92 | 26.93 | | | |
| 10/24/09 | 26.93 | 26.92 | 26.92 | 26.92 | 26.90 | 26.91 | 26.91 | 26.92 | 26.95 | 26.96 | 26.95 | 26.92 | 26.90 | 26.88 | 26.85 | 26.83 | 26.82 | 26.82 | 26.83 | 26.84 | 26.84 | 26.84 | 26.96 | 26.82 | 26.89 | | | |
| 10/25/09 | 26.84 | 26.82 | 26.83 | 26.83 | 26.84 | 26.84 | 26.83 | 26.84 | 26.89 | 26.89 | 26.90 | 26.89 | 26.88 | 26.85 | 26.83 | 26.84 | 26.84 | 26.86 | 26.88 | 26.90 | 26.93 | 26.95 | 26.95 | 26.82 | 26.87 | | | |
| 10/26/09 | 26.94 | 26.94 | 26.94 | 26.96 | 26.96 | 26.97 | 27.00 | 27.00 | 27.03 | 27.06 | 27.06 | 27.05 | 27.04 | 27.00 | 26.97 | 26.95 | 26.94 | 26.93 | 26.91 | 26.92 | 26.93 | 26.94 | 27.06 | 26.91 | 26.97 | | | |
| 10/27/09 | 26.89 | 26.88 | 26.86 | 26.84 | 26.80 | 26.80 | 26.78 | 26.76 | 26.76 | 26.74 | 26.71 | 26.67 | 26.62 | 26.57 | 26.53 | 26.50 | 26.48 | 26.46 | 26.46 | 26.45 | 26.44 | 26.43 | 26.44 | 26.89 | 26.43 | 26.65 | | |
| 10/28/09 | 26.46 | 26.48 | 26.49 | 26.49 | 26.50 | 26.51 | 26.52 | 26.53 | 26.56 | 26.57 | 26.59 | 26.60 | 26.60 | 26.59 | 26.59 | 26.60 | 26.62 | 26.64 | 26.65 | 26.67 | 26.69 | 26.70 | 26.72 | 26.73 | 26.73 | 26.46 | 26.59 | |
| 10/29/09 | 26.74 | 26.75 | 26.76 | 26.77 | 26.78 | 26.79 | 26.82 | 26.83 | 26.85 | 26.87 | 26.87 | 26.87 | 26.86 | 26.85 | 26.85 | 26.86 | 26.86 | 26.87 | 26.88 | 26.88 | 26.90 | 26.91 | 26.92 | 26.94 | 26.94 | 26.74 | 26.85 | |
| 10/30/09 | 26.93 | 26.94 | 26.94 | 26.95 | 26.96 | 26.98 | 27.00 | 27.02 | 27.05 | 27.06 | 27.07 | 27.07 | 27.07 | 27.05 | 27.04 | 27.03 | 27.04 | 27.04 | 27.04 | 27.04 | 27.04 | 27.05 | 27.07 | 26.93 | 27.02 | | | |
| 10/31/09 | 27.04 | 27.04 | 27.03 | 27.02 | 27.02 | 27.01 | 27.00 | 27.00 | 27.01 | 27.01 | 27.01 | 27.01 | 27.01 | 26.98 | 26.96 | 26.95 | 26.95 | 26.94 | 26.95 | 26.95 | 26.97 | 27.01 | 27.00 | 27.04 | 26.94 | 27.00 | | |

Maximum Hourly Pressure: 27.07

Minimum Hourly Pressure: 26.43

Total Number of Observations: 744

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

NOVEMBER 2009

BAROMETRIC PRESSURE (in Hg)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 11/01/09 | 27.01 | 27.00 | 26.99 | 26.99 | 26.98 | 26.98 | 27.00 | 27.01 | 27.03 | 27.04 | 27.05 | 27.05 | 27.03 | 27.00 | 26.99 | 26.98 | 26.98 | 27.00 | 27.01 | 27.02 | 27.02 | 27.03 | 27.03 | 27.05 | 26.98 | 27.01 | |
| 11/02/09 | 27.03 | 27.04 | 27.03 | 27.03 | 27.04 | 27.04 | 27.05 | 27.06 | 27.08 | 27.10 | 27.10 | 27.09 | 27.07 | 27.04 | 27.03 | 27.03 | 27.02 | 27.02 | 27.03 | 27.04 | 27.04 | 27.04 | 27.04 | 27.04 | 27.10 | 27.02 | 27.05 |
| 11/03/09 | 27.04 | 27.04 | 27.05 | 27.04 | 27.04 | 27.04 | 27.06 | 27.06 | 27.08 | 27.08 | 27.08 | 27.07 | 27.06 | 27.03 | 27.01 | 27.00 | 26.99 | 26.99 | 27.00 | 27.00 | 27.01 | 27.02 | 27.02 | 27.03 | 27.08 | 26.99 | 27.04 |
| 11/04/09 | 27.03 | 27.03 | 27.04 | 27.03 | 27.03 | 27.03 | 27.05 | 27.05 | 27.07 | 27.08 | 27.08 | 27.07 | 27.06 | 27.03 | 27.02 | 27.01 | 27.01 | 27.02 | 27.03 | 27.04 | 27.05 | 27.06 | 27.06 | 27.07 | 27.08 | 27.01 | 27.04 |
| 11/05/09 | 27.08 | 27.07 | 27.06 | 27.06 | 27.06 | 27.06 | 27.07 | 27.08 | 27.09 | 27.11 | 27.12 | 27.12 | 27.09 | 27.05 | 27.03 | 27.01 | 27.00 | 27.00 | 27.01 | 27.00 | 27.01 | 27.02 | 27.02 | 27.02 | 27.12 | 27.00 | 27.05 |
| 11/06/09 | 27.01 | 27.00 | 27.00 | 26.99 | 26.99 | 26.99 | 27.00 | 27.00 | 27.01 | 27.01 | 27.00 | 26.98 | 26.96 | 26.94 | 26.92 | 26.91 | 26.91 | 26.90 | 26.90 | 26.91 | 26.91 | 26.91 | 26.90 | 27.01 | 26.90 | 26.96 | |
| 11/07/09 | 26.89 | 26.89 | 26.89 | 26.87 | 26.86 | 26.87 | 26.88 | 26.89 | 26.90 | 26.90 | 26.90 | 26.88 | 26.85 | 26.83 | 26.82 | 26.82 | 26.83 | 26.84 | 26.84 | 26.85 | 26.87 | 26.88 | 26.88 | 26.90 | 26.82 | 26.87 | |
| 11/08/09 | 26.88 | 26.88 | 26.88 | 26.88 | 26.89 | 26.89 | 26.91 | 26.92 | 26.94 | 26.95 | 26.95 | 26.95 | 26.93 | 26.91 | 26.90 | 26.90 | 26.91 | 26.91 | 26.92 | 26.94 | 26.95 | 26.96 | 26.97 | 26.97 | 26.97 | 26.90 | 26.88 |
| 11/09/09 | 26.98 | 26.98 | 26.98 | 26.99 | 26.99 | 27.00 | 27.02 | 27.03 | 27.06 | 27.07 | 27.08 | 27.08 | 27.06 | 27.04 | 27.02 | 27.01 | 27.01 | 27.01 | 27.02 | 27.03 | 27.03 | 27.03 | 27.03 | 27.08 | 26.98 | 27.02 | |
| 11/10/09 | 27.03 | 27.04 | 27.04 | 27.03 | 27.04 | 27.04 | 27.05 | 27.07 | 27.08 | 27.10 | 27.09 | 27.09 | 27.07 | 27.05 | 27.03 | 27.02 | 27.01 | 27.01 | 27.03 | 27.04 | 27.05 | 27.05 | 27.10 | 27.01 | 27.05 | | |
| 11/11/09 | 27.04 | 27.05 | 27.05 | 27.05 | 27.03 | 27.03 | 27.03 | 27.04 | 27.05 | 27.07 | 27.06 | 27.05 | 27.04 | 27.00 | 26.98 | 26.97 | 26.95 | 26.94 | 26.94 | 26.94 | 26.94 | 26.94 | 26.94 | 26.92 | 26.92 | 27.00 | |
| 11/12/09 | 26.92 | 26.92 | 26.92 | 26.89 | 26.88 | 26.88 | 26.88 | 26.89 | 26.89 | 26.89 | 26.89 | 26.88 | 26.86 | 26.83 | 26.80 | 26.78 | 26.77 | 26.77 | 26.76 | 26.76 | 26.76 | 26.77 | 26.77 | 26.77 | 26.92 | 26.76 | 26.84 |
| 11/13/09 | 26.77 | 26.75 | 26.75 | 26.73 | 26.73 | 26.72 | 26.73 | 26.74 | 26.77 | 26.78 | 26.79 | 26.79 | 26.77 | 26.76 | 26.76 | 26.77 | 26.77 | 26.77 | 26.77 | 26.78 | 26.79 | 26.80 | 26.81 | 26.81 | 26.72 | 26.77 | |
| 11/14/09 | 26.81 | 26.80 | 26.81 | 26.81 | 26.81 | 26.82 | 26.84 | 26.86 | 26.88 | 26.90 | 26.91 | 26.91 | 26.90 | 26.88 | 26.87 | 26.90 | 26.89 | 26.89 | 26.91 | 26.92 | 26.94 | 26.95 | 26.96 | 26.96 | 26.80 | 26.88 | |
| 11/15/09 | 26.96 | 26.97 | 26.98 | 26.98 | 26.98 | 26.98 | 27.00 | 27.02 | 27.05 | 27.06 | 27.07 | 27.09 | 27.09 | 27.07 | 27.07 | 27.05 | 27.06 | 27.06 | 27.07 | 27.09 | 27.09 | 27.10 | 27.12 | 27.12 | 27.12 | 26.96 | 27.05 |
| 11/16/09 | 27.12 | 27.12 | 27.10 | 27.11 | 27.11 | 27.11 | 27.13 | 27.15 | 27.14 | 27.14 | 27.14 | 27.12 | 27.08 | 27.06 | 27.05 | 27.05 | 27.03 | 27.03 | 27.04 | 27.04 | 27.05 | 27.06 | 27.06 | 27.15 | 27.03 | 27.09 | |
| 11/17/09 | 27.05 | 27.05 | 27.04 | 27.04 | 27.03 | 27.03 | 27.02 | 27.03 | 27.04 | 27.04 | 27.04 | 27.03 | 27.00 | 26.97 | 26.95 | 26.94 | 26.93 | 26.93 | 26.93 | 26.94 | 26.94 | 26.94 | 27.05 | 26.93 | 26.99 | | |
| 11/18/09 | 26.94 | 26.93 | 26.92 | 26.91 | 26.91 | 26.92 | 26.92 | 26.93 | 26.93 | 26.94 | 26.94 | 26.94 | 26.91 | 26.89 | 26.88 | 26.86 | 26.86 | 26.87 | 26.87 | 26.88 | 26.89 | 26.90 | 26.94 | 26.86 | 26.90 | | |
| 11/19/09 | 26.91 | 26.91 | 26.91 | 26.92 | 26.90 | 26.89 | 26.91 | 26.93 | 26.95 | 26.97 | 26.98 | 26.98 | 26.96 | 26.94 | 26.94 | 26.93 | 26.94 | 26.95 | 26.97 | 26.99 | 27.00 | 27.01 | 27.02 | 27.03 | 27.03 | 26.89 | 26.95 |
| 11/20/09 | 27.04 | 27.02 | 27.02 | 27.01 | 27.01 | 27.03 | 27.04 | 27.05 | 27.06 | 27.07 | 27.08 | 27.07 | 27.04 | 27.02 | 26.99 | 26.99 | 26.98 | 26.98 | 26.98 | 26.98 | 26.97 | 26.96 | 26.96 | 27.08 | 26.95 | 27.01 | |
| 11/21/09 | 26.94 | 26.93 | 26.91 | 26.91 | 26.90 | 26.89 | 26.90 | 26.91 | 26.91 | 26.92 | 26.91 | 26.88 | 26.86 | 26.85 | 26.86 | 26.85 | 26.85 | 26.86 | 26.86 | 26.89 | 26.89 | 26.90 | 26.94 | 26.85 | 26.89 | | |
| 11/22/09 | 26.91 | 26.92 | 26.92 | 26.91 | 26.91 | 26.92 | 26.92 | 26.95 | 26.97 | 26.97 | 26.96 | 26.93 | 26.92 | 26.90 | 26.89 | 26.89 | 26.90 | 26.92 | 26.92 | 26.93 | 26.94 | 26.94 | 26.97 | 26.89 | 26.92 | | |
| 11/23/09 | 26.94 | 26.95 | 26.95 | 26.95 | 26.96 | 26.97 | 26.98 | 27.00 | 27.02 | 27.03 | 27.02 | 27.00 | 26.98 | 26.97 | 26.97 | 26.97 | 26.98 | 26.99 | 27.00 | 27.01 | 27.01 | 27.02 | 27.03 | 27.03 | 26.94 | 26.99 | |
| 11/24/09 | 27.03 | 27.03 | 27.02 | 27.01 | 27.03 | 27.03 | 27.04 | 27.05 | 27.06 | 27.06 | 27.07 | 27.07 | 27.06 | 27.03 | 27.01 | 27.00 | 27.00 | 27.00 | 27.01 | 27.01 | 27.01 | 27.02 | 27.07 | 27.00 | 27.03 | | |
| 11/25/09 | 27.03 | 27.02 | 27.02 | 27.03 | 27.02 | 27.02 | 27.02 | 27.03 | 27.05 | 27.06 | 27.07 | 27.05 | 27.04 | 27.01 | 26.99 | 26.98 | 26.98 | 26.98 | 26.99 | 26.99 | 27.00 | 27.01 | 27.02 | 27.07 | 26.98 | 27.02 | |
| 11/26/09 | 27.04 | 27.03 | 27.02 | 27.02 | 27.00 | 27.02 | 27.04 | 27.07 | 27.09 | 27.10 | 27.09 | 27.08 | 27.05 | 27.02 | 27.00 | 26.99 | 26.99 | 26.99 | 27.01 | 27.02 | 27.02 | 27.03 | 27.10 | 26.99 | 27.03 | | |
| 11/27/09 | 27.02 | 27.02 | 27.03 | 27.02 | 27.01 | 27.01 | 27.01 | 27.01 | 27.02 | 27.03 | 27.03 | 27.02 | 26.98 | 26.95 | 26.92 | 26.90 | 26.89 | 26.88 | 26.88 | 26.87 | 26.87 | 26.86 | 26.86 | 27.03 | 26.86 | 26.96 | |
| 11/28/09 | 26.85 | 26.83 | 26.82 | 26.81 | 26.78 | 26.76 | 26.77 | 26.78 | 26.78 | 26.77 | 26.78 | 26.78 | 26.75 | 26.72 | 26.70 | 26.68 | 26.69 | 26.70 | 26.73 | 26.74 | 26.75 | 26.76 | 26.78 | 26.85 | 26.68 | 26.76 | |
| 11/29/09 | 26.79 | 26.79 | 26.78 | 26.79 | 26.78 | 26.78 | 26.78 | 26.79 | 26.81 | 26.82 | 26.84 | 26.84 | 26.83 | 26.81 | 26.83 | 26.80 | 26.82 | 26.82 | 26.84 | 26.86 | 26.87 | 26.89 | 26.91 | 26.92 | 26.78 | 26.82 | |
| 11/30/09 | 26.91 | 26.91 | 26.92 | 26.91 | 26.92 | 26.93 | 26.94 | 26.93 | 26.96 | 26.96 | 26.98 | 26.96 | 26.95 | 26.91 | 26.90 | 26.88 | 26.91 | 26.91 | 26.92 | 26.92 | 26.93 | 26.98 | 26.88 | 26.92 | | | |

Hourly Averages

26.97 26.96 26.96 26.96 26.95 26.96 26.97 26.98 26.99 27.00 27.00 27.00 26.98 26.95 26.94 26.93 26.93 26.93 26.93 26.93 26.93 26.94 26.95 26.96 26.96 26.96 26.96

Maximum Hourly Pressure: 27.15

Minimum Hourly Pressure: 26.68

Total Number of Observations: 720

Possible Number of Observations: 720

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

DECEMBER 2009

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 |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12/01/09 | 26.93 | 26.92 | 26.90 | 26.89 | 26.89 | 26.89 | 26.89 | 26.90 | 26.92 | 26.92 | 26.92 | 26.90 | 26.88 | 26.85 | 26.84 | 26.83 | 26.83 | 26.83 | 26.83 | 26.83 | 26.83 | 26.84 | 26.85 | 26.85 | 26.93 | 26.83 | 26.87 | |
| 12/02/09 | 26.85 | 26.85 | 26.86 | 26.86 | 26.86 | 26.86 | 26.86 | 26.87 | 26.88 | 26.89 | 26.90 | 26.89 | 26.87 | 26.84 | 26.82 | 26.82 | 26.82 | 26.81 | 26.82 | 26.82 | 26.83 | 26.84 | 26.84 | 26.83 | 26.90 | 26.81 | 26.85 | |
| 12/03/09 | 26.84 | 26.83 | 26.84 | 26.84 | 26.84 | 26.85 | 26.85 | 26.86 | 26.88 | 26.89 | 26.91 | 26.91 | 26.89 | 26.88 | 26.86 | 26.86 | 26.87 | 26.88 | 26.89 | 26.89 | 26.91 | 26.93 | 26.94 | 26.95 | 26.95 | 26.83 | 26.88 | |
| 12/04/09 | 26.96 | 26.97 | 26.99 | 27.00 | 27.02 | 27.04 | 27.05 | 27.09 | 27.10 | 27.12 | 27.12 | 27.12 | 27.10 | 27.08 | 27.07 | 27.06 | 27.06 | 27.04 | 27.04 | 27.03 | 27.02 | 27.02 | 27.03 | 27.03 | 27.12 | 26.96 | 27.05 | |
| 12/05/09 | 27.02 | 27.00 | 26.99 | 26.97 | 26.95 | 26.93 | 26.92 | 26.91 | 26.92 | 26.91 | 26.90 | 26.88 | 26.84 | 26.81 | 26.78 | 26.77 | 26.76 | 26.75 | 26.75 | 26.75 | 26.76 | 26.76 | 26.75 | 27.02 | 26.75 | 26.86 | | |
| 12/06/09 | 26.75 | 26.76 | 26.77 | 26.78 | 26.79 | 26.79 | 26.79 | 26.83 | 26.84 | 26.86 | 26.88 | 26.88 | 26.87 | 26.84 | 26.82 | 26.82 | 26.82 | 26.82 | 26.83 | 26.83 | 26.84 | 26.86 | 26.86 | 26.88 | 26.89 | 26.75 | 26.83 | |
| 12/07/09 | 26.87 | 26.85 | 26.84 | 26.84 | 26.83 | 26.82 | 26.84 | 26.84 | 26.84 | 26.83 | 26.80 | 26.76 | 26.73 | 26.71 | 26.70 | 26.68 | 26.68 | 26.65 | 26.61 | 26.58 | 26.55 | 26.55 | 26.53 | 26.87 | 26.53 | 26.74 | | |
| 12/08/09 | 26.50 | 26.54 | 26.57 | 26.61 | 26.64 | 26.67 | 26.73 | 26.79 | 26.82 | 26.86 | 26.89 | 26.90 | 26.91 | 26.89 | 26.89 | 26.90 | 26.90 | 26.91 | 26.90 | 26.92 | 26.93 | 26.93 | 26.95 | 26.96 | 26.96 | 26.50 | 26.81 | |
| 12/09/09 | 26.93 | 26.93 | 26.93 | 26.93 | 26.93 | 26.93 | 26.93 | 26.95 | 26.96 | 26.98 | 27.00 | 26.98 | 26.95 | 26.92 | 26.91 | 26.92 | 26.93 | 26.93 | 26.94 | 26.94 | 26.95 | 26.96 | 26.97 | 27.00 | 26.91 | 26.94 | | |
| 12/10/09 | 26.97 | 26.96 | 26.96 | 26.96 | 26.94 | 26.93 | 26.94 | 26.96 | 26.96 | 26.97 | 26.96 | 26.94 | 26.92 | 26.91 | 26.92 | 26.93 | 26.93 | 26.95 | 26.96 | 26.96 | 26.97 | 26.97 | 26.97 | 26.97 | 26.91 | 26.95 | | |
| 12/11/09 | 26.97 | 26.96 | 26.96 | 26.96 | 26.97 | 26.98 | 26.98 | 27.00 | 27.01 | 27.02 | 27.02 | 26.98 | 26.97 | 26.95 | 26.96 | 26.96 | 26.97 | 26.98 | 26.98 | 26.99 | 26.99 | 27.00 | 27.00 | 27.02 | 26.95 | 26.98 | | |
| 12/12/09 | 27.00 | 26.99 | 27.00 | 27.00 | 26.99 | 26.98 | 27.00 | 27.02 | 27.03 | 27.06 | 27.08 | 27.06 | 27.06 | 27.02 | 27.02 | 27.01 | 27.01 | 27.00 | 27.01 | 27.00 | 26.99 | 27.00 | 27.00 | 27.08 | 26.98 | 27.02 | | |
| 12/13/09 | 26.99 | 26.97 | 26.96 | 26.96 | 26.95 | 26.94 | 26.94 | 26.93 | 26.93 | 26.94 | 26.92 | 26.91 | 26.89 | 26.89 | 26.91 | 26.92 | 26.92 | 26.92 | 26.92 | 26.93 | 26.93 | 26.93 | 26.99 | 26.89 | 26.93 | | | |
| 12/14/09 | 26.92 | 26.92 | 26.93 | 26.93 | 26.92 | 26.92 | 26.92 | 26.93 | 26.96 | 26.97 | 26.99 | 27.00 | 26.98 | 26.97 | 26.97 | 26.98 | 26.99 | 26.99 | 27.01 | 27.04 | 27.05 | 27.06 | 27.08 | 27.08 | 26.92 | 26.98 | | |
| 12/15/09 | 27.08 | 27.08 | 27.08 | 27.09 | 27.10 | 27.12 | 27.13 | 27.15 | 27.17 | 27.19 | 27.18 | 27.15 | 27.13 | 27.12 | 27.12 | 27.12 | 27.13 | 27.14 | 27.15 | 27.16 | 27.14 | 27.15 | 27.15 | 27.19 | 27.08 | 27.13 | | |
| 12/16/09 | 27.14 | 27.13 | 27.13 | 27.11 | 27.11 | 27.11 | 27.12 | 27.12 | 27.14 | 27.13 | 27.13 | 27.14 | 27.13 | 27.13 | 27.08 | 27.08 | 27.07 | 27.07 | 27.06 | 27.06 | 27.07 | 27.07 | 27.07 | 27.14 | 27.06 | 27.10 | | |
| 12/17/09 | 27.06 | 27.04 | 27.03 | 27.04 | 27.04 | 27.03 | 27.03 | 27.04 | 27.04 | 27.05 | 27.06 | 27.05 | 27.05 | 27.02 | 26.99 | 26.97 | 26.98 | 26.99 | 26.99 | 26.99 | 26.99 | 27.00 | 27.00 | 27.06 | 26.97 | 27.02 | | |
| 12/18/09 | 26.99 | 26.99 | 26.99 | 27.00 | 26.99 | 26.99 | 26.98 | 26.99 | 26.98 | 27.00 | 27.02 | 27.00 | 26.96 | 26.94 | 26.92 | 26.93 | 26.92 | 26.92 | 26.93 | 26.94 | 26.94 | 26.94 | 27.02 | 26.92 | 26.96 | | | |
| 12/19/09 | 26.94 | 26.93 | 26.94 | 26.94 | 26.93 | 26.93 | 26.95 | 26.94 | 26.97 | 26.99 | 27.03 | 27.04 | 27.03 | 27.03 | 27.00 | 27.00 | 27.02 | 27.02 | 27.03 | 27.03 | 27.05 | 27.07 | 27.07 | 27.07 | 26.93 | 26.99 | | |
| 12/20/09 | 27.06 | 27.05 | 27.05 | 27.07 | 27.07 | 27.06 | 27.07 | 27.08 | 27.08 | 27.10 | 27.11 | 27.12 | 27.09 | 27.09 | 27.08 | 27.06 | 27.06 | 27.05 | 27.05 | 27.05 | 27.06 | 27.06 | 27.05 | 27.12 | 27.05 | 27.07 | | |
| 12/21/09 | 27.04 | 27.04 | 27.03 | 27.03 | 27.02 | 27.01 | 27.03 | 27.02 | 27.03 | 27.03 | 27.02 | 27.01 | 26.98 | 26.95 | 26.95 | 26.94 | 26.94 | 26.93 | 26.93 | 26.93 | 26.92 | 26.92 | 26.91 | 27.04 | 26.91 | 26.98 | | |
| 12/22/09 | 26.88 | 26.88 | 26.86 | 26.85 | 26.84 | 26.81 | 26.81 | 26.79 | 26.77 | 26.75 | 26.73 | 26.72 | 26.69 | 26.63 | 26.58 | 26.57 | 26.58 | 26.59 | 26.62 | 26.64 | 26.64 | 26.65 | 26.66 | 26.88 | 26.57 | 26.72 | | |
| 12/23/09 | 26.69 | 26.69 | 26.69 | 26.70 | 26.68 | 26.70 | 26.71 | 26.75 | 26.77 | 26.80 | 26.83 | 26.85 | 26.84 | 26.83 | 26.83 | 26.84 | 26.87 | 26.89 | 26.90 | 26.91 | 26.93 | 26.95 | 26.96 | 26.96 | 26.68 | 26.81 | | |
| 12/24/09 | 26.96 | 26.97 | 26.98 | 26.97 | 26.97 | 26.98 | 26.98 | INV | 27.02 | 27.03 | 27.03 | 27.02 | 27.01 | 26.99 | 26.97 | 26.97 | 26.97 | 26.97 | 26.98 | 26.99 | 27.01 | 27.01 | 27.00 | 26.99 | 27.03 | 26.96 | 26.99 | |
| 12/25/09 | 26.99 | 26.97 | 26.96 | 26.95 | 26.94 | 26.93 | 26.93 | 26.94 | 26.95 | 26.96 | 26.97 | 26.97 | 26.93 | 26.90 | 26.88 | 26.87 | 26.87 | 26.88 | 26.87 | 26.88 | 26.90 | 26.91 | 26.92 | 26.99 | 26.87 | 26.92 | | |
| 12/26/09 | 26.92 | 26.92 | 26.93 | 26.94 | 26.94 | 26.93 | 26.94 | 26.95 | 26.97 | 26.99 | 27.02 | 27.02 | 27.00 | 26.99 | 26.99 | 26.97 | 26.98 | 26.99 | 26.99 | 27.01 | 27.03 | 27.02 | 27.04 | 27.04 | 26.92 | 26.98 | | |
| 12/27/09 | 27.06 | 27.04 | 27.04 | 27.05 | 27.05 | 27.04 | 27.04 | 27.06 | 27.06 | 27.07 | 27.09 | 27.10 | 27.10 | 27.08 | 27.08 | 27.05 | 27.04 | 27.03 | 27.03 | 27.04 | 27.06 | 27.07 | 27.07 | 27.10 | 27.03 | 27.06 | | |
| 12/28/09 | 27.05 | 27.05 | 27.03 | 27.03 | 27.04 | 27.01 | 27.01 | 27.03 | 27.03 | 27.01 | 27.02 | 27.00 | 26.98 | 26.96 | 26.95 | 26.93 | 26.93 | 26.93 | 26.92 | 26.92 | 26.94 | 26.93 | 26.93 | 27.05 | 26.92 | 26.98 | | |
| 12/29/09 | 26.92 | 26.92 | 26.90 | 26.90 | 26.91 | 26.93 | 26.94 | 26.96 | 26.98 | 26.98 | 27.00 | 27.01 | 27.00 | 26.98 | 26.98 | 26.98 | 26.98 | 26.98 | 26.99 | 27.00 | 27.01 | 27.01 | 27.04 | 27.06 | 27.06 | 26.90 | 26.98 | |
| 12/30/09 | 27.06 | 27.07 | 27.07 | 27.07 | 27.09 | 27.08 | 27.08 | 27.09 | 27.10 | 27.10 | 27.12 | 27.12 | 27.09 | 27.06 | 27.03 | 27.03 | 27.01 | 27.00 | 27.00 | 27.01 | 27.03 | 27.04 | 27.06 | 27.08 | 27.12 | 27.00 | 27.06 | |
| 12/31/09 | 27.07 | 27.09 | 27.10 | 27.11 | 27.11 | 27.13 | 27.15 | 27.16 | 27.17 | 27.19 | 27.22 | 27.23 | 27.23 | 27.19 | 27.19 | 27.19 | 27.20 | 27.20 | 27.21 | 27.21 | 27.22 | 27.24 | 27.23 | 27.24 | 27.07 | 27.18 | | |

Hourly Averages

26.95 26.95 26.95 26.95 26.94 26.95 26.96 26.98 26.99 27.00 26.99 26.97 26.95 26.93 26.93 26.93 26.94 26.94 26.94 26.95 26.95 26.96 26.96 26.96

Maximum Hourly Pressure: 27.24

Minimum Hourly Pressure: 26.50

Total Number of Observations: 743

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
OCTOBER 2009

SOLAR RADIATION (W/m²)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|-----|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----|-----|-----|-----|-----|-----|-------|------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 10/01/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.1 | 164.5 | 413.4 | 593.6 | 728.6 | 807.0 | 825.0 | 776.4 | 667.8 | 515.6 | 323.4 | 90.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 825.0 | 9.1 | 492.9 |
| 10/02/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.8 | 159.4 | 400.8 | 585.0 | 719.6 | 794.5 | 808.0 | 761.4 | 653.7 | 494.1 | 308.2 | 50.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 808.0 | 8.8 | 478.6 |
| 10/03/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.6 | 140.0 | 343.9 | 532.7 | 689.4 | 766.8 | 783.3 | 738.5 | 626.8 | 476.2 | 291.6 | 78.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 783.3 | 7.6 | 456.2 |
| 10/04/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 80.0 | 211.2 | 563.8 | 558.2 | 644.2 | 583.5 | 569.6 | 593.9 | 445.2 | 248.4 | 45.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 644.2 | 5.5 | 379.1 |
| 10/05/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.2 | 136.5 | 205.7 | 259.9 | 519.5 | 574.1 | 349.3 | 620.7 | 605.4 | 449.7 | 218.2 | 68.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 620.7 | 10.2 | 334.8 |
| 10/06/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.4 | 94.1 | 310.3 | 402.2 | 508.9 | 615.3 | 672.6 | 742.6 | 612.4 | 465.3 | 259.0 | 69.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 742.6 | 13.4 | 397.1 |
| 10/07/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.3 | 119.3 | 362.8 | 304.2 | 421.8 | 366.1 | 554.5 | 672.0 | 337.1 | 299.8 | 176.0 | 60.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 672.0 | 6.3 | 306.7 |
| 10/08/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | 116.6 | 364.7 | 537.5 | 643.2 | 761.7 | 760.6 | 719.9 | 613.7 | 461.7 | 252.0 | 65.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 761.7 | 8.2 | 442.1 |
| 10/09/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.3 | 109.6 | 374.7 | 551.1 | 683.5 | 758.6 | 772.6 | 723.9 | 614.3 | 461.9 | 258.4 | 50.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 772.6 | 7.3 | 447.2 |
| 10/10/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.9 | 138.2 | 330.8 | 509.6 | 682.2 | 763.5 | 779.3 | 430.1 | 432.3 | 267.9 | 120.6 | 45.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 779.3 | 9.9 | 375.8 |
| 10/11/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.8 | 104.3 | 355.5 | 527.5 | 657.8 | 735.1 | 735.6 | 703.0 | 595.0 | 439.5 | 228.8 | 48.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 735.6 | 8.8 | 428.3 |
| 10/12/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 106.5 | 342.7 | 544.5 | 673.0 | 740.4 | 728.8 | 679.9 | 549.8 | 356.0 | 140.6 | 29.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 740.4 | 7.7 | 408.3 |
| 10/13/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 91.2 | 175.6 | 296.3 | 434.1 | 687.2 | 743.6 | 687.6 | 508.9 | 370.6 | 235.5 | 51.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 743.6 | 6.7 | 357.4 |
| 10/14/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 91.2 | 350.2 | 522.1 | 649.9 | 720.4 | 730.8 | 682.9 | 579.5 | 430.1 | 232.0 | 45.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 730.8 | 4.9 | 420.0 |
| 10/15/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 86.9 | 346.3 | 516.1 | 643.5 | 716.0 | 728.9 | 682.0 | 574.0 | 423.0 | 224.7 | 43.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 728.9 | 4.7 | 415.8 |
| 10/16/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 87.0 | 347.7 | 518.8 | 647.5 | 721.1 | 733.3 | 684.1 | 574.2 | 422.4 | 225.8 | 45.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 733.3 | 5.0 | 417.7 |
| 10/17/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 82.8 | 343.0 | 515.0 | 642.3 | 712.7 | 724.0 | 677.1 | 569.2 | 412.6 | 190.2 | 46.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 724.0 | 4.9 | 410.0 |
| 10/18/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 77.6 | 329.2 | 500.4 | 628.2 | 700.2 | 715.7 | 667.5 | 559.8 | 340.4 | 176.0 | 16.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 715.7 | 4.9 | 393.0 |
| 10/19/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 75.9 | 323.6 | 480.6 | 630.8 | 696.8 | 713.8 | 663.1 | 555.9 | 404.0 | 225.0 | 45.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 713.8 | 3.7 | 401.6 |
| 10/20/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 31.5 | 85.5 | 231.0 | 560.2 | 620.0 | 467.5 | 675.1 | 552.5 | 393.2 | 205.8 | 40.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 675.1 | 3.3 | 322.2 |
| 10/21/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 75.6 | 326.0 | 491.0 | 620.3 | 695.7 | 710.3 | 660.8 | 548.7 | 396.6 | 199.7 | 32.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 710.3 | 4.9 | 396.9 |
| 10/22/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | 66.5 | 326.2 | 498.1 | 627.1 | 699.7 | 714.6 | 666.6 | 566.7 | 369.2 | 196.0 | 31.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 714.6 | 4.2 | 397.2 |
| 10/23/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 66.3 | 333.8 | 506.2 | 635.9 | 704.8 | 717.8 | 666.7 | 555.4 | 379.5 | 187.7 | 31.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 717.8 | 4.0 | 399.1 |
| 10/24/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 63.4 | 324.2 | 493.4 | 617.3 | 692.7 | 703.4 | 654.0 | 544.4 | 393.3 | 196.1 | 31.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 703.4 | 7.7 | 393.4 |
| 10/25/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 60.6 | 305.7 | 416.4 | 567.8 | 699.6 | 701.6 | 653.8 | 543.9 | 386.9 | 187.2 | 29.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 701.6 | 3.4 | 379.7 |
| 10/26/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 58.0 | 346.7 | 525.8 | 655.9 | 723.5 | 729.8 | 675.1 | 560.6 | 388.6 | 166.0 | 17.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 729.8 | 3.3 | 404.2 |
| 10/27/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 63.7 | 326.4 | 355.7 | 455.8 | 491.2 | 639.2 | 521.8 | 387.6 | 177.0 | 100.1 | 10.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 639.2 | 5.0 | 294.5 |
| 10/28/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 61.5 | 336.2 | 524.3 | 664.1 | 753.3 | 747.3 | 614.1 | 383.9 | 218.0 | 137.2 | 26.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 753.3 | 3.4 | 372.5 |
| 10/29/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 61.3 | 319.2 | 501.0 | 631.6 | 704.8 | 719.0 | 672.4 | 559.2 | 420.6 | 213.0 | 23.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 719.0 | 3.6 | 402.4 |
| 10/30/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 54.8 | 321.3 | 478.9 | 605.0 | 630.9 | 656.7 | 624.0 | 492.1 | 323.9 | 127.8 | 14.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 656.7 | 3.0 | 361.1 |
| 10/31/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 46.1 | 314.4 | 490.0 | 617.2 | 684.3 | 693.2 | 643.1 | 531.5 | 378.0 | 179.1 | 21.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 693.2 | 2.5 | 383.4 |

Hourly Averages Maximum Hourly Radiation: 825.0 Minimum Hourly Radiation: 2.5 Average Monthly Radiation: 395.8

Maximum 24-Hour Mean: 492.9

Minimum 24-Hour Mean: 294.5

Total Number of Observations: 744

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

Note: All Statistics Based on Daylight Hours

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

NOVEMBER 2009

SOLAR RADIATION (W/m²)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|-----|-----|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----|-----|-----|-----|-----|-----|-------|-----|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 11/01/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 40.7 | 306.8 | 478.7 | 603.9 | 675.6 | 686.7 | 637.7 | 527.0 | 374.3 | 166.8 | 20.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 686.7 | 0.0 | 347.8 |
| 11/02/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 37.8 | 305.0 | 477.0 | 604.7 | 676.4 | 687.4 | 637.0 | 525.6 | 371.2 | 150.4 | 18.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 687.4 | 0.0 | 345.6 |
| 11/03/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 34.1 | 302.0 | 480.5 | 608.8 | 680.0 | 689.8 | 638.7 | 526.9 | 367.4 | 141.9 | 16.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 689.8 | 0.0 | 345.3 |
| 11/04/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 30.5 | 298.4 | 469.7 | 597.0 | 668.5 | 567.2 | 374.0 | 433.6 | 155.5 | 66.0 | 5.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 668.5 | 0.0 | 282.1 |
| 11/05/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 37.4 | 235.2 | 437.7 | 591.7 | 602.1 | 656.5 | 609.6 | 500.8 | 348.4 | 131.3 | 13.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 656.5 | 0.0 | 320.4 |
| 11/06/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 24.9 | 302.2 | 476.2 | 612.1 | 483.3 | 273.4 | 164.6 | 135.1 | 103.1 | 50.1 | 6.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 612.1 | 0.0 | 202.6 |
| 11/07/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 26.4 | 275.5 | 445.2 | 581.9 | 632.6 | 646.0 | 579.3 | 438.0 | 338.2 | 129.4 | 9.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 646.0 | 0.0 | 315.7 |
| 11/08/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 30.3 | 252.1 | 405.7 | 556.2 | 635.0 | 625.0 | 598.0 | 485.5 | 333.7 | 125.3 | 11.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 635.0 | 0.0 | 312.3 |
| 11/09/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 26.4 | 267.8 | 441.0 | 567.8 | 640.9 | 635.8 | 586.3 | 368.1 | 226.1 | 99.7 | 7.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 640.9 | 0.0 | 297.6 |
| 11/10/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 42.2 | 239.7 | 392.8 | 559.0 | 623.6 | 642.4 | 591.5 | 485.4 | 331.7 | 120.6 | 9.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 642.4 | 0.0 | 310.8 |
| 11/11/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 39.0 | 235.5 | 357.1 | 225.9 | 332.4 | 525.2 | 476.1 | 438.0 | 177.4 | 79.0 | 4.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 525.2 | 0.0 | 222.4 |
| 11/12/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 44.1 | 165.9 | 304.0 | 317.4 | 308.8 | 256.3 | 184.3 | 137.8 | 86.0 | 31.8 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 317.4 | 0.0 | 141.5 |
| 11/13/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 3.9 | 27.1 | 53.5 | 117.0 | 93.8 | 234.7 | 130.1 | 119.1 | 54.1 | 38.9 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 234.7 | 0.0 | 67.3 |
| 11/14/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 28.5 | 126.8 | 144.7 | 338.6 | 191.1 | 409.5 | 390.6 | 100.5 | 124.4 | 115.2 | 7.9 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 409.5 | 0.1 | 152.2 |
| 11/15/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 22.9 | 243.4 | 419.9 | 546.4 | 624.1 | 638.6 | 596.2 | 492.0 | 338.7 | 126.9 | 10.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 638.6 | 0.1 | 312.3 |
| 11/16/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 16.3 | 263.6 | 444.1 | 567.6 | 639.2 | 651.4 | 603.2 | 493.3 | 340.0 | 127.6 | 9.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 651.4 | 0.1 | 319.8 |
| 11/17/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 15.0 | 257.6 | 440.7 | 566.6 | 636.3 | 647.6 | 600.1 | 491.2 | 337.9 | 120.9 | 9.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 647.6 | 0.1 | 317.2 |
| 11/18/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 16.2 | 245.2 | 416.7 | 482.4 | 619.5 | 535.0 | 411.3 | 472.0 | 322.5 | 111.3 | 8.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 619.5 | 0.1 | 280.1 |
| 11/19/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 17.2 | 231.6 | 407.5 | 532.4 | 604.6 | 619.3 | 575.0 | 469.3 | 318.7 | 110.1 | 7.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 619.3 | 0.1 | 299.6 |
| 11/20/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 15.2 | 235.3 | 416.6 | 543.1 | 616.0 | 628.9 | 583.0 | 476.3 | 323.0 | 113.4 | 6.9 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 628.9 | 0.1 | 304.5 |
| 11/21/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 17.0 | 228.1 | 410.2 | 533.7 | 607.6 | 620.7 | 576.3 | 467.6 | 320.8 | 111.3 | 7.9 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 620.7 | 0.1 | 300.2 |
| 11/22/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 22.4 | 214.6 | 399.6 | 536.6 | 609.4 | 624.2 | 579.6 | 469.8 | 322.4 | 115.1 | 7.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 624.2 | 0.1 | 300.1 |
| 11/23/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 14.4 | 213.2 | 402.8 | 528.5 | 603.2 | 614.3 | 569.7 | 464.4 | 315.4 | 111.6 | 6.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 614.3 | 0.1 | 295.8 |
| 11/24/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 12.9 | 226.1 | 414.4 | 540.2 | 611.1 | 623.3 | 576.6 | 470.3 | 320.5 | 113.2 | 6.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 623.3 | 0.1 | 301.2 |
| 11/25/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 12.3 | 221.5 | 415.7 | 542.7 | 614.7 | 626.2 | 580.8 | 472.5 | 323.2 | 114.1 | 6.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 626.2 | 0.0 | 302.4 |
| 11/26/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 12.4 | 214.8 | 407.3 | 527.5 | 598.8 | 550.2 | 571.9 | 435.9 | 300.1 | 78.7 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 598.8 | 0.0 | 284.9 |
| 11/27/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 14.1 | 193.6 | 376.3 | 499.6 | 570.5 | 585.2 | 542.4 | 443.2 | 298.8 | 101.1 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 585.2 | 0.0 | 279.0 |
| 11/28/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 12.5 | 62.0 | 199.1 | 428.3 | 262.1 | 616.8 | 515.5 | 415.6 | 263.6 | 64.2 | 2.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 616.8 | 0.1 | 218.7 |
| 11/29/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 18.4 | 104.3 | 264.8 | 203.8 | 570.9 | 368.0 | 50.3 | 208.9 | 305.5 | 95.1 | 3.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 570.9 | 0.1 | 168.8 |
| 11/30/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 18.4 | 82.8 | 158.9 | 535.3 | 512.6 | 550.0 | 595.8 | 457.0 | 186.2 | 84.0 | 6.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 595.8 | 0.1 | 245.2 |

Hourly Averages

0.0 0.0 0.0 0.0 0.0 0.0 1.0 23.5 219.3 378.6 499.9 551.5 567.9 504.2 414.0 277.6 104.8 8.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Maximum Hourly Radiation: 689.8

Minimum Hourly Radiation: 0.0

Average Monthly Radiation: 273.1

Maximum 24-Hour Mean: 347.8

Minimum 24-Hour Mean: 67.3

Total Number of Observations: 720

Possible Number of Observations: 720

INV = Invalid Data

ND = No Data Collection

Note: All Statistics Based on Daylight Hours

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE
DECEMBER 2009

SOLAR RADIATION (W/m²)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Avg |
|----------|------|-----|-----|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----|-----|-----|-----|-----|-----|-------|-----|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 12/01/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 10.6 | 186.3 | 381.8 | 509.9 | 586.0 | 603.7 | 562.6 | 459.6 | 312.0 | 109.3 | 5.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 603.7 | 0.2 | 310.6 |
| 12/02/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 16.9 | 194.9 | 332.5 | 479.0 | 552.7 | 586.8 | 561.4 | 453.2 | 308.0 | 109.4 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 586.8 | 0.2 | 300.0 |
| 12/03/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 18.1 | 121.6 | 274.7 | 407.6 | 547.8 | 600.4 | 561.3 | 451.7 | 304.6 | 108.5 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 600.4 | 0.2 | 283.5 |
| 12/04/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 10.0 | 193.9 | 420.5 | 557.3 | 631.7 | 641.3 | 591.3 | 481.5 | 329.6 | 120.4 | 5.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 641.3 | 0.2 | 332.0 |
| 12/05/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 17.3 | 186.9 | 335.8 | 458.2 | 547.8 | 427.7 | 280.5 | 214.2 | 120.5 | 31.2 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 547.8 | 0.2 | 218.5 |
| 12/06/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 4.9 | 33.3 | 81.4 | 155.1 | 213.4 | 283.5 | 336.8 | 137.0 | 85.5 | 58.4 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 336.8 | 0.1 | 116.1 |
| 12/07/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.8 | 17.3 | 45.3 | 66.8 | 42.3 | 26.2 | 20.1 | 18.5 | 8.8 | 3.5 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 66.8 | 0.1 | 20.9 |
| 12/08/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 10.1 | 157.2 | 366.0 | 504.9 | 580.2 | 608.6 | 575.0 | 461.2 | 315.2 | 118.3 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 608.6 | 0.1 | 308.5 |
| 12/09/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 15.1 | 91.1 | 171.1 | 453.4 | 501.9 | 586.1 | 549.2 | 446.6 | 305.8 | 115.9 | 5.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 586.1 | 0.2 | 270.2 |
| 12/10/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 20.4 | 163.9 | 291.6 | 488.6 | 411.4 | 566.5 | 315.4 | 118.8 | 135.4 | 90.9 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 566.5 | 0.1 | 217.4 |
| 12/11/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 10.9 | 138.5 | 323.6 | 362.1 | 545.4 | 566.0 | 523.4 | 425.4 | 290.9 | 108.9 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 566.0 | 0.2 | 274.9 |
| 12/12/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 10.5 | 54.7 | 154.6 | 243.3 | 378.7 | 426.6 | 324.2 | 238.5 | 260.1 | 52.7 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 426.6 | 0.2 | 179.2 |
| 12/13/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 8.8 | 118.3 | 331.9 | 494.2 | 390.6 | 370.3 | 189.9 | 105.1 | 125.0 | 20.3 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 494.2 | 0.1 | 179.7 |
| 12/14/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 4.6 | 69.5 | 182.4 | 269.1 | 542.3 | 572.6 | 561.8 | 391.9 | 300.8 | 113.6 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 572.6 | 0.1 | 251.2 |
| 12/15/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 7.4 | 132.3 | 353.6 | 487.3 | 569.5 | 591.2 | 554.7 | 459.8 | 302.8 | 118.6 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 591.2 | 0.1 | 298.4 |
| 12/16/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 14.1 | 134.8 | 402.9 | 308.9 | 380.5 | 417.8 | 445.2 | 407.7 | 292.4 | 112.1 | 4.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 445.2 | 0.1 | 243.4 |
| 12/17/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 7.3 | 124.7 | 341.8 | 473.8 | 555.4 | 578.7 | 544.1 | 449.7 | 310.3 | 124.6 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 578.7 | 0.1 | 293.0 |
| 12/18/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 8.4 | 115.6 | 320.0 | 471.6 | 552.7 | 576.1 | 539.9 | 443.8 | 272.1 | 123.3 | 6.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 576.1 | 0.1 | 285.8 |
| 12/19/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 7.1 | 117.7 | 336.2 | 470.0 | 549.9 | 578.6 | 500.6 | 336.2 | 296.5 | 114.3 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 578.6 | 0.1 | 275.9 |
| 12/20/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 8.9 | 115.0 | 332.7 | 480.6 | 556.8 | 512.1 | 351.3 | 255.1 | 139.1 | 52.8 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 556.8 | 0.1 | 234.0 |
| 12/21/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 89.0 | 260.8 | 295.5 | 358.9 | 299.2 | 161.5 | 154.3 | 84.2 | 32.9 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 358.9 | 0.0 | 145.6 |
| 12/22/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 22.7 | 90.8 | 135.9 | 139.1 | 202.9 | 175.2 | 76.3 | 7.5 | 5.6 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 202.9 | 0.0 | 71.7 |
| 12/23/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 8.3 | 101.9 | 212.6 | 159.2 | 188.0 | 354.7 | 506.0 | 392.2 | 316.8 | 130.0 | 7.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 506.0 | 0.1 | 198.1 |
| 12/24/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | INV | 157.0 | 334.3 | 469.3 | 554.2 | 582.1 | 551.2 | 461.8 | 314.3 | 115.4 | 5.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 582.1 | 0.1 | 322.3 |
| 12/25/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 6.5 | 125.3 | 346.6 | 471.2 | 556.9 | 583.0 | 551.9 | 461.0 | 313.5 | 122.5 | 10.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 583.0 | 0.1 | 295.8 |
| 12/26/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 5.7 | 112.8 | 344.2 | 479.7 | 559.6 | 579.2 | 543.9 | 461.5 | 309.6 | 74.9 | 7.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 579.2 | 0.1 | 289.9 |
| 12/27/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 6.2 | 111.6 | 339.0 | 472.9 | 558.4 | 587.6 | 557.3 | 468.4 | 332.0 | 143.2 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 587.6 | 0.1 | 298.4 |
| 12/28/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 38.9 | 99.2 | 144.4 | 162.9 | 171.5 | 188.7 | 141.7 | 64.9 | 31.4 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 188.7 | 0.0 | 87.5 |
| 12/29/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 36.8 | 145.3 | 126.6 | 377.7 | 384.1 | 457.7 | 171.1 | 130.1 | 55.1 | 4.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 457.7 | 0.0 | 157.6 |
| 12/30/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 7.4 | 103.0 | 321.0 | 428.3 | 378.8 | 373.3 | 279.3 | 155.3 | 73.0 | 41.6 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 428.3 | 0.1 | 180.3 |
| 12/31/09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | 104.5 | 339.6 | 480.5 | 568.3 | 593.3 | 566.6 | 479.2 | 341.5 | 157.9 | 11.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 593.3 | 0.0 | 304.0 |

Hourly Averages

0.0 0.0 0.0 0.0 0.0 0.1 9.0 112.0 277.9 380.8 452.9 478.4 433.2 328.3 229.1 87.7 4.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Maximum Hourly Radiation: 641.3

Minimum Hourly Radiation: 0.0

Average Monthly Radiation: 233.7

Maximum 24-Hour Mean: 332.0

Minimum 24-Hour Mean: 20.9

Total Number of Observations: 743

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

Note: All Statistics Based on Daylight Hours

APPENDIX KC2-H

HOURLY EVAPORATION DATA

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE
OCTOBER 2009
EVAPORATION (inches)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Total Evaporation | |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 10/01/09 | 0.015 | 0.009 | 0.008 | 0.007 | 0.010 | 0.010 | 0.008 | 0.007 | 0.006 | 0.012 | 0.011 | 0.012 | 0.030 | 0.013 | 0.038 | 0.031 | 0.035 | 0.039 | 0.027 | 0.016 | 0.020 | 0.009 | 0.013 | 0.010 | 0.396 | |
| 10/02/09 | 0.012 | 0.007 | 0.010 | 0.007 | 0.007 | 0.010 | 0.010 | 0.004 | 0.005 | 0.008 | 0.009 | 0.014 | 0.024 | 0.020 | 0.041 | 0.036 | 0.045 | 0.034 | 0.022 | 0.018 | 0.012 | 0.030 | 0.005 | 0.005 | 0.005 | 0.395 |
| 10/03/09 | 0.005 | 0.013 | 0.010 | 0.010 | 0.008 | 0.007 | 0.010 | 0.006 | 0.001 | 0.006 | 0.009 | 0.008 | 0.018 | 0.019 | 0.035 | 0.036 | 0.035 | 0.030 | 0.030 | 0.009 | 0.004 | 0.007 | 0.008 | 0.013 | 0.013 | 0.337 |
| 10/04/09 | 0.010 | 0.005 | 0.008 | 0.005 | 0.005 | 0.007 | 0.003 | 0.003 | 0.003 | 0.001 | 0.024 | 0.029 | 0.018 | 0.028 | 0.019 | 0.041 | 0.045 | 0.030 | 0.040 | 0.033 | 0.025 | 0.007 | 0.012 | 0.013 | 0.013 | 0.414 |
| 10/05/09 | 0.013 | 0.008 | 0.004 | 0.007 | 0.005 | 0.002 | 0.005 | 0.001 | 0.001 | INV | 0.011 | 0.006 | 0.026 | 0.018 | 0.013 | 0.031 | 0.023 | 0.025 | 0.017 | 0.010 | 0.007 | 0.005 | 0.005 | 0.005 | 0.248 | |
| 10/06/09 | 0.005 | 0.008 | 0.004 | 0.005 | 0.003 | 0.009 | 0.008 | 0.008 | 0.001 | INV | 0.010 | 0.006 | INV | 0.015 | 0.018 | 0.025 | 0.032 | 0.019 | 0.009 | 0.009 | 0.007 | 0.007 | 0.007 | 0.007 | 0.215 | |
| 10/07/09 | 0.008 | 0.005 | 0.008 | 0.008 | 0.005 | 0.005 | 0.005 | 0.003 | 0.000 | 0.016 | 0.010 | 0.010 | 0.014 | 0.014 | 0.023 | 0.026 | 0.019 | 0.020 | 0.024 | 0.009 | 0.009 | 0.004 | 0.008 | 0.012 | 0.265 | |
| 10/08/09 | 0.005 | 0.003 | 0.008 | 0.005 | 0.005 | 0.002 | 0.002 | 0.000 | 0.000 | 0.004 | 0.009 | 0.011 | 0.016 | 0.031 | 0.031 | 0.036 | 0.025 | 0.025 | 0.024 | 0.012 | 0.007 | 0.007 | 0.010 | 0.008 | 0.286 | |
| 10/09/09 | 0.010 | 0.008 | 0.008 | 0.007 | 0.002 | 0.005 | 0.008 | 0.003 | 0.003 | 0.002 | 0.004 | 0.011 | 0.026 | 0.026 | 0.023 | 0.031 | 0.033 | 0.030 | 0.016 | 0.012 | 0.012 | 0.008 | 0.010 | 0.310 | | |
| 10/10/09 | 0.008 | 0.008 | 0.008 | 0.008 | 0.010 | 0.020 | 0.008 | 0.005 | 0.009 | 0.008 | 0.009 | 0.014 | 0.024 | 0.023 | 0.033 | 0.032 | 0.030 | 0.025 | 0.012 | 0.009 | 0.017 | 0.007 | 0.008 | 0.010 | 0.345 | |
| 10/11/09 | 0.005 | 0.007 | 0.010 | 0.008 | 0.008 | 0.005 | 0.010 | 0.003 | 0.002 | 0.004 | 0.013 | 0.013 | 0.021 | 0.029 | 0.036 | 0.035 | 0.027 | 0.027 | 0.027 | 0.007 | 0.007 | 0.010 | 0.010 | 0.007 | 0.331 | |
| 10/12/09 | 0.005 | 0.005 | 0.008 | 0.010 | 0.005 | 0.005 | 0.005 | 0.000 | 0.006 | 0.001 | 0.023 | 0.024 | 0.013 | 0.031 | 0.031 | 0.030 | 0.027 | 0.028 | 0.017 | 0.010 | 0.010 | 0.012 | 0.010 | 0.007 | 0.323 | |
| 10/13/09 | 0.005 | 0.010 | 0.015 | 0.002 | 0.002 | 0.005 | 0.002 | 0.005 | INV | 0.001 | 0.009 | 0.007 | 0.009 | 0.009 | 0.026 | 0.019 | 0.031 | 0.030 | 0.013 | 0.009 | 0.010 | 0.007 | 0.008 | 0.007 | 0.241 | |
| 10/14/09 | 0.007 | 0.005 | 0.008 | 0.004 | 0.005 | 0.007 | 0.004 | 0.003 | 0.001 | 0.003 | 0.004 | 0.014 | 0.011 | 0.026 | 0.021 | 0.035 | 0.022 | 0.037 | 0.029 | 0.014 | 0.009 | 0.010 | 0.007 | 0.008 | 0.294 | |
| 10/15/09 | 0.005 | 0.005 | 0.010 | 0.005 | 0.008 | 0.006 | 0.005 | 0.002 | 0.000 | 0.003 | 0.004 | 0.012 | 0.020 | 0.024 | 0.028 | 0.037 | 0.036 | 0.034 | 0.016 | 0.012 | 0.015 | 0.012 | 0.018 | 0.008 | 0.325 | |
| 10/16/09 | 0.006 | 0.013 | 0.010 | 0.008 | 0.005 | 0.013 | 0.008 | 0.017 | 0.002 | 0.017 | 0.016 | 0.016 | 0.014 | 0.020 | 0.028 | 0.020 | 0.029 | 0.027 | 0.022 | 0.020 | 0.015 | 0.020 | 0.023 | 0.046 | 0.415 | |
| 10/17/09 | 0.036 | 0.010 | 0.007 | 0.020 | 0.012 | 0.010 | 0.013 | 0.008 | 0.009 | 0.025 | 0.014 | 0.031 | 0.026 | 0.039 | 0.033 | 0.028 | 0.024 | 0.040 | 0.019 | 0.028 | 0.038 | 0.038 | 0.040 | 0.036 | 0.584 | |
| 10/18/09 | 0.030 | 0.033 | 0.018 | 0.010 | 0.007 | 0.000 | 0.010 | 0.020 | 0.006 | 0.004 | 0.009 | 0.019 | 0.021 | 0.021 | 0.023 | 0.027 | 0.043 | 0.035 | 0.015 | 0.017 | 0.012 | 0.010 | 0.010 | 0.008 | 0.408 | |
| 10/19/09 | 0.010 | 0.005 | 0.010 | 0.005 | 0.008 | 0.008 | 0.005 | 0.003 | INV | INV | 0.012 | 0.016 | 0.028 | 0.028 | 0.029 | 0.030 | 0.033 | 0.030 | 0.016 | 0.012 | 0.012 | 0.010 | 0.007 | 0.007 | 0.324 | |
| 10/20/09 | 0.009 | 0.010 | 0.007 | 0.008 | 0.005 | 0.005 | 0.002 | 0.013 | 0.008 | 0.006 | 0.009 | 0.014 | 0.013 | 0.039 | 0.026 | 0.028 | 0.038 | 0.024 | 0.022 | 0.014 | 0.009 | 0.006 | 0.008 | 0.008 | 0.331 | |
| 10/21/09 | 0.005 | 0.005 | 0.005 | 0.010 | 0.008 | 0.008 | 0.008 | 0.005 | 0.000 | INV | 0.022 | 0.006 | 0.011 | 0.014 | 0.026 | 0.025 | 0.036 | 0.019 | 0.009 | 0.012 | 0.005 | 0.007 | 0.009 | 0.005 | 0.260 | |
| 10/22/09 | 0.007 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.001 | 0.000 | 0.007 | 0.008 | 0.018 | 0.019 | 0.036 | 0.032 | 0.026 | 0.032 | 0.009 | 0.012 | 0.015 | 0.007 | 0.010 | 0.007 | 0.281 | | |
| 10/23/09 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.011 | 0.005 | 0.003 | 0.005 | 0.009 | 0.026 | 0.011 | 0.014 | 0.033 | 0.042 | 0.027 | 0.037 | 0.014 | 0.012 | 0.010 | 0.009 | 0.007 | 0.008 | 0.331 | |
| 10/24/09 | 0.008 | 0.004 | 0.008 | 0.005 | 0.002 | 0.005 | 0.005 | 0.003 | 0.001 | 0.002 | 0.002 | 0.016 | 0.021 | 0.019 | 0.033 | 0.028 | 0.027 | 0.019 | 0.012 | 0.014 | 0.010 | 0.004 | 0.008 | 0.007 | 0.263 | |
| 10/25/09 | 0.008 | 0.008 | 0.008 | 0.005 | 0.003 | 0.010 | 0.011 | 0.012 | 0.002 | 0.004 | 0.006 | 0.019 | 0.013 | 0.028 | 0.033 | 0.025 | 0.037 | 0.027 | 0.014 | 0.015 | 0.020 | 0.031 | 0.027 | 0.043 | 0.409 | |
| 10/26/09 | 0.038 | 0.038 | 0.028 | 0.051 | 0.038 | 0.025 | 0.026 | 0.061 | INV | INV | 0.078 | 0.032 | 0.001 | 0.019 | 0.014 | 0.020 | 0.025 | 0.019 | 0.014 | 0.014 | 0.014 | 0.010 | 0.012 | 0.007 | 0.584 | |
| 10/27/09 | 0.011 | 0.005 | 0.015 | 0.020 | 0.013 | 0.010 | 0.012 | 0.010 | 0.004 | 0.006 | 0.021 | 0.016 | 0.009 | 0.032 | 0.031 | 0.033 | 0.022 | 0.033 | 0.022 | 0.046 | 0.002 | 0.012 | 0.017 | 0.023 | 0.425 | |
| 10/28/09 | 0.012 | 0.017 | 0.010 | 0.017 | 0.012 | 0.011 | 0.009 | 0.001 | 0.009 | 0.011 | 0.011 | 0.008 | 0.016 | 0.046 | 0.007 | 0.028 | 0.025 | 0.015 | 0.012 | 0.004 | 0.005 | 0.004 | 0.005 | 0.300 | | |
| 10/29/09 | 0.003 | 0.003 | 0.005 | 0.000 | 0.003 | 0.000 | 0.000 | INV | 0.000 | 0.004 | 0.003 | 0.015 | 0.015 | 0.020 | 0.013 | 0.015 | 0.012 | 0.009 | 0.007 | 0.004 | 0.005 | 0.005 | 0.005 | 0.149 | | |
| 10/30/09 | 0.013 | 0.003 | 0.005 | 0.005 | 0.003 | 0.002 | 0.004 | 0.001 | 0.007 | 0.002 | INV | 0.019 | 0.025 | 0.008 | 0.011 | 0.012 | 0.014 | 0.016 | 0.012 | 0.007 | 0.007 | 0.003 | 0.008 | 0.194 | | |
| 10/31/09 | 0.010 | 0.029 | 0.008 | 0.003 | 0.003 | 0.003 | 0.008 | 0.019 | 0.234 | 0.267 | 0.046 | 0.017 | 0.014 | 0.021 | 0.009 | 0.015 | 0.015 | 0.016 | 0.015 | 0.020 | 0.010 | 0.012 | 0.008 | 0.818 | | |

Total Evaporation for the month = 10.801

Total Number of Observations: 732

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

NOVEMBER 2009

EVAPORATION (inches)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Total Evaporation |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | |
| 11/01/09 | 0.012 | 0.006 | 0.010 | 0.023 | 0.012 | 0.005 | 0.008 | 0.013 | 0.007 | 0.012 | 0.004 | 0.011 | 0.014 | 0.014 | 0.028 | 0.020 | 0.019 | 0.034 | 0.014 | 0.009 | 0.015 | 0.010 | 0.010 | 0.010 | 0.320 |
| 11/02/09 | 0.008 | 0.010 | 0.008 | 0.007 | 0.008 | 0.005 | 0.007 | 0.005 | 0.002 | 0.002 | 0.001 | 0.012 | 0.015 | 0.020 | INV | 0.015 | 0.018 | 0.015 | 0.011 | 0.009 | 0.009 | 0.013 | 0.008 | 0.008 | 0.216 |
| 11/03/09 | 0.010 | 0.015 | 0.021 | 0.015 | 0.010 | 0.020 | 0.025 | 0.024 | 0.025 | 0.027 | INV | 0.027 | 0.031 | 0.021 | 0.019 | 0.030 | 0.022 | 0.034 | 0.022 | 0.043 | 0.008 | 0.026 | 0.017 | 0.028 | 0.520 |
| 11/04/09 | 0.023 | 0.028 | 0.015 | 0.025 | 0.013 | 0.010 | 0.015 | 0.028 | 0.022 | 0.019 | 0.004 | 0.045 | 0.021 | 0.015 | 0.023 | 0.023 | 0.014 | 0.022 | 0.037 | 0.026 | 0.018 | 0.023 | 0.023 | 0.018 | 0.510 |
| 11/05/09 | 0.023 | 0.018 | 0.015 | 0.028 | 0.025 | 0.012 | 0.015 | 0.020 | 0.011 | 0.006 | 0.016 | 0.019 | 0.013 | 0.021 | 0.024 | 0.020 | 0.025 | 0.024 | 0.014 | 0.012 | 0.012 | 0.013 | 0.022 | 0.013 | 0.421 |
| 11/06/09 | 0.010 | 0.010 | 0.008 | 0.005 | 0.008 | 0.015 | 0.018 | 0.010 | INV | 0.010 | 0.003 | 0.011 | 0.014 | 0.014 | 0.020 | 0.010 | 0.009 | 0.009 | 0.012 | 0.010 | 0.014 | 0.010 | 0.008 | 0.007 | 0.245 |
| 11/07/09 | 0.010 | 0.010 | 0.010 | 0.005 | 0.007 | 0.008 | 0.005 | 0.005 | 0.002 | 0.000 | 0.004 | 0.007 | 0.020 | 0.026 | 0.020 | 0.025 | 0.040 | 0.024 | 0.014 | 0.014 | 0.013 | 0.009 | 0.010 | 0.012 | 0.300 |
| 11/08/09 | 0.008 | 0.008 | 0.004 | 0.005 | 0.008 | 0.005 | 0.005 | 0.006 | 0.003 | 0.002 | 0.006 | 0.011 | 0.013 | 0.019 | 0.025 | 0.030 | 0.020 | 0.024 | 0.012 | 0.012 | 0.009 | 0.010 | 0.010 | 0.004 | 0.259 |
| 11/09/09 | 0.009 | 0.011 | 0.004 | 0.007 | 0.010 | 0.005 | 0.005 | 0.005 | 0.000 | 0.002 | 0.002 | 0.011 | 0.009 | 0.013 | 0.020 | 0.016 | 0.022 | 0.017 | 0.012 | 0.015 | 0.018 | 0.013 | 0.026 | 0.010 | 0.262 |
| 11/10/09 | 0.009 | 0.026 | 0.013 | 0.005 | 0.005 | 0.010 | 0.007 | 0.013 | 0.011 | 0.006 | 0.026 | 0.026 | 0.012 | 0.023 | 0.019 | 0.027 | 0.020 | 0.018 | 0.020 | 0.020 | 0.026 | 0.023 | 0.018 | 0.031 | 0.414 |
| 11/11/09 | 0.012 | 0.013 | 0.020 | 0.012 | 0.020 | 0.015 | 0.015 | 0.015 | 0.008 | 0.011 | 0.018 | 0.013 | 0.014 | 0.016 | 0.016 | 0.015 | 0.019 | 0.015 | 0.015 | 0.010 | 0.010 | 0.010 | 0.018 | 0.008 | 0.338 |
| 11/12/09 | 0.007 | 0.005 | 0.007 | 0.008 | 0.018 | 0.005 | 0.005 | 0.002 | 0.003 | 0.007 | 0.005 | 0.011 | 0.008 | 0.020 | 0.013 | 0.007 | 0.005 | 0.007 | 0.010 | 0.013 | 0.005 | 0.004 | 0.005 | 0.008 | 0.188 |
| 11/13/09 | 0.005 | 0.002 | 0.005 | 0.003 | 0.003 | 0.005 | 0.005 | 0.000 | 0.000 | 0.006 | 0.013 | 0.013 | 0.000 | 0.003 | 0.007 | 0.010 | 0.013 | 0.008 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.105 |
| 11/14/09 | 0.000 | 0.000 | 0.002 | 0.003 | 0.002 | 0.003 | 0.002 | 0.003 | 0.003 | 0.000 | INV | 0.000 | 0.013 | INV | 0.000 | 0.000 | 0.003 | 0.002 | 0.005 | 0.004 | 0.002 | 0.002 | 0.002 | 0.003 | 0.054 |
| 11/15/09 | 0.003 | 0.003 | 0.003 | 0.000 | 0.003 | 0.000 | 0.000 | INV | INV | 0.007 | INV | INV | 0.001 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.007 | 0.020 | 0.010 | 0.007 | 0.001 | 0.010 | 0.124 |
| 11/16/09 | 0.008 | 0.019 | 0.010 | 0.003 | INV | 0.015 | 0.018 | 0.000 | INV | 0.026 | 0.004 | 0.013 | 0.013 | 0.008 | 0.008 | 0.010 | 0.010 | 0.015 | 0.022 | 0.007 | 0.007 | 0.003 | 0.018 | 0.005 | 0.242 |
| 11/17/09 | 0.005 | 0.015 | 0.013 | 0.020 | 0.010 | 0.008 | 0.005 | 0.005 | 0.013 | 0.024 | 0.011 | INV | 0.022 | 0.011 | 0.018 | 0.015 | 0.014 | 0.018 | 0.017 | 0.015 | 0.030 | 0.005 | 0.015 | 0.008 | 0.317 |
| 11/18/09 | 0.012 | 0.010 | 0.005 | 0.013 | 0.007 | 0.005 | 0.010 | 0.010 | 0.020 | 0.011 | 0.014 | 0.002 | 0.011 | 0.015 | 0.014 | 0.014 | 0.025 | 0.019 | 0.012 | 0.009 | 0.010 | 0.005 | 0.007 | 0.269 | |
| 11/19/09 | 0.005 | 0.005 | 0.008 | 0.005 | 0.007 | 0.005 | 0.005 | 0.005 | 0.002 | 0.003 | 0.002 | 0.009 | 0.016 | 0.018 | 0.020 | 0.015 | 0.025 | 0.019 | 0.009 | 0.009 | 0.013 | 0.010 | 0.007 | 0.005 | 0.227 |
| 11/20/09 | 0.006 | 0.003 | 0.010 | 0.005 | 0.004 | 0.008 | 0.008 | 0.005 | 0.001 | 0.003 | 0.004 | 0.012 | 0.013 | 0.016 | 0.018 | 0.010 | 0.025 | 0.013 | 0.014 | 0.012 | 0.010 | 0.013 | 0.007 | 0.007 | 0.227 |
| 11/21/09 | 0.010 | 0.005 | 0.014 | 0.005 | 0.007 | 0.013 | 0.005 | 0.015 | 0.009 | 0.002 | 0.004 | 0.016 | 0.011 | 0.026 | 0.026 | 0.025 | 0.024 | 0.014 | 0.012 | 0.007 | 0.010 | 0.008 | 0.007 | 0.005 | 0.280 |
| 11/22/09 | 0.005 | 0.007 | 0.005 | 0.006 | 0.006 | 0.002 | 0.003 | 0.010 | 0.006 | 0.002 | 0.004 | 0.012 | 0.011 | 0.015 | 0.028 | 0.017 | 0.019 | 0.007 | 0.004 | 0.010 | 0.004 | 0.010 | 0.005 | 0.209 | |
| 11/23/09 | 0.005 | 0.005 | 0.005 | 0.005 | 0.003 | 0.004 | 0.002 | 0.003 | 0.001 | 0.006 | 0.015 | 0.013 | 0.013 | 0.017 | 0.017 | 0.014 | 0.009 | 0.009 | 0.008 | 0.010 | 0.008 | 0.005 | 0.005 | 0.182 | |
| 11/24/09 | 0.008 | 0.033 | 0.000 | 0.010 | 0.013 | 0.002 | 0.020 | 0.002 | 0.027 | 0.022 | 0.019 | 0.019 | 0.021 | 0.011 | 0.006 | 0.013 | 0.015 | 0.019 | 0.026 | 0.010 | 0.013 | 0.033 | 0.020 | 0.015 | 0.377 |
| 11/25/09 | 0.003 | 0.007 | 0.015 | 0.010 | 0.018 | 0.010 | 0.018 | 0.020 | INV | 0.006 | 0.021 | 0.028 | INV | 0.039 | 0.006 | 0.013 | 0.018 | 0.019 | 0.015 | 0.018 | 0.017 | 0.013 | 0.028 | 0.013 | 0.355 |
| 11/26/09 | 0.017 | 0.015 | 0.300 | 0.346 | 0.013 | 0.023 | 0.002 | INV | 0.009 | 0.011 | 0.007 | 0.024 | 0.008 | 0.018 | 0.036 | 0.023 | 0.002 | 0.035 | 0.023 | 0.015 | 0.010 | 0.027 | 0.008 | 0.031 | 1.003 |
| 11/27/09 | 0.013 | 0.013 | INV | 0.005 | 0.010 | 0.015 | 0.005 | 0.014 | 0.011 | 0.006 | INV | 0.006 | 0.015 | 0.013 | 0.023 | 0.017 | 0.014 | 0.012 | 0.015 | 0.009 | 0.005 | 0.009 | 0.005 | 0.245 | |
| 11/28/09 | 0.005 | 0.005 | 0.002 | 0.005 | 0.008 | 0.011 | 0.007 | 0.010 | 0.005 | 0.011 | 0.024 | 0.012 | 0.008 | 0.021 | 0.023 | 0.020 | 0.012 | 0.020 | 0.009 | 0.005 | 0.004 | 0.007 | 0.007 | 0.245 | |
| 11/29/09 | 0.005 | 0.003 | 0.002 | 0.003 | 0.005 | 0.015 | 0.006 | 0.000 | 0.016 | 0.001 | 0.000 | 0.011 | 0.001 | 0.000 | 0.000 | 0.019 | 0.010 | 0.004 | 0.005 | 0.008 | 0.005 | 0.002 | 0.007 | 0.005 | 0.133 |
| 11/30/09 | 0.003 | 0.029 | 0.008 | INV | INV | 0.005 | 0.000 | 0.006 | 0.003 | INV | 0.008 | INV | INV | 0.024 | 0.007 | 0.007 | 0.002 | 0.004 | 0.005 | 0.002 | 0.010 | 0.002 | 0.002 | 0.002 | 0.127 |

Total Evaporation for the month = 8.714

Total Number of Observations: 697

Possible Number of Observations: 720

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE
DECEMBER 2009
EVAPORATION (inches)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Total Evaporation | |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 12/01/09 | 0.005 | 0.000 | 0.003 | 0.005 | 0.003 | 0.002 | INV | 0.000 | 0.001 | 0.002 | 0.001 | 0.006 | 0.001 | 0.000 | 0.008 | 0.008 | 0.017 | 0.009 | 0.004 | 0.007 | 0.004 | 0.005 | 0.005 | 0.003 | 0.099 | |
| 12/02/09 | 0.000 | 0.005 | 0.003 | 0.000 | 0.005 | 0.000 | 0.002 | 0.002 | 0.001 | 0.002 | 0.001 | 0.002 | 0.003 | INV | 0.041 | 0.012 | 0.014 | 0.008 | 0.004 | 0.007 | 0.002 | 0.004 | 0.005 | 0.003 | 0.126 | |
| 12/03/09 | 0.003 | 0.003 | 0.002 | 0.005 | 0.004 | 0.003 | 0.005 | 0.005 | 0.002 | 0.002 | 0.007 | 0.011 | 0.003 | 0.016 | 0.015 | 0.017 | 0.009 | 0.004 | 0.004 | 0.015 | 0.013 | 0.041 | 0.138 | 0.327 | | |
| 12/04/09 | 0.228 | 0.136 | 0.036 | 0.076 | 0.082 | 0.085 | INV | 0.023 | 0.003 | 0.001 | 0.016 | 0.017 | 0.001 | 0.000 | 0.003 | 0.008 | 0.009 | 0.007 | 0.006 | 0.009 | 0.005 | 0.007 | 0.008 | 0.008 | 0.774 | |
| 12/05/09 | 0.008 | 0.003 | 0.005 | 0.003 | 0.004 | 0.008 | 0.005 | 0.005 | 0.004 | 0.011 | 0.009 | 0.001 | 0.006 | 0.007 | 0.008 | 0.010 | 0.010 | 0.010 | 0.004 | 0.004 | 0.005 | 0.005 | 0.002 | 0.002 | 0.139 | |
| 12/06/09 | 0.003 | 0.005 | 0.003 | 0.003 | 0.003 | 0.003 | 0.000 | 0.000 | 0.000 | INV | 0.000 | 0.003 | 0.001 | 0.004 | 0.000 | 0.003 | 0.005 | 0.004 | 0.002 | 0.003 | 0.002 | 0.000 | 0.003 | 0.000 | 0.050 | |
| 12/07/09 | 0.003 | 0.000 | 0.003 | 0.000 | 0.000 | 0.003 | 0.000 | 0.003 | 0.000 | INV | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.009 | INV | 0.000 | 0.021 | |
| 12/08/09 | 0.000 | 0.000 | 0.000 | 0.003 | 0.003 | 0.004 | 0.010 | 0.004 | 0.004 | 0.000 | 0.010 | 0.003 | 0.006 | 0.006 | 0.003 | 0.010 | 0.009 | 0.009 | 0.002 | 0.001 | 0.005 | 0.000 | 0.001 | INV | 0.093 | |
| 12/09/09 | 0.001 | 0.003 | 0.000 | 0.000 | 0.003 | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | 0.002 | 0.004 | 0.006 | 0.003 | 0.005 | 0.009 | 0.007 | 0.003 | 0.001 | 0.003 | 0.005 | 0.001 | 0.003 | 0.000 | 0.062 | |
| 12/10/09 | 0.003 | 0.005 | 0.000 | 0.003 | 0.003 | 0.000 | 0.004 | 0.000 | 0.002 | 0.002 | 0.004 | INV | 0.007 | 0.007 | 0.004 | 0.005 | 0.006 | 0.004 | 0.001 | 0.005 | 0.005 | 0.000 | 0.003 | 0.000 | 0.076 | |
| 12/11/09 | 0.005 | 0.003 | 0.000 | 0.003 | 0.003 | 0.000 | 0.003 | 0.002 | 0.004 | 0.004 | 0.001 | 0.002 | INV | 0.013 | 0.000 | 0.009 | 0.004 | 0.009 | 0.004 | 0.004 | 0.005 | 0.005 | 0.003 | 0.003 | 0.003 | 0.087 |
| 12/12/09 | 0.003 | 0.003 | 0.002 | 0.000 | INV | 0.003 | 0.002 | 0.001 | 0.005 | 0.002 | 0.001 | 0.001 | 0.002 | 0.003 | 0.003 | 0.005 | 0.004 | 0.002 | 0.002 | 0.010 | 0.005 | 0.005 | 0.002 | 0.002 | 0.002 | 0.065 |
| 12/13/09 | 0.003 | 0.002 | 0.002 | 0.005 | 0.002 | INV | 0.005 | 0.003 | 0.005 | 0.002 | 0.005 | 0.003 | 0.006 | INV | 0.015 | 0.011 | 0.005 | 0.005 | 0.002 | 0.003 | 0.003 | 0.002 | 0.003 | 0.002 | 0.002 | 0.094 |
| 12/14/09 | 0.000 | 0.002 | 0.003 | 0.002 | INV | 0.003 | 0.000 | 0.003 | 0.003 | 0.001 | 0.001 | 0.002 | 0.008 | 0.008 | 0.005 | 0.010 | 0.022 | 0.009 | 0.007 | 0.002 | 0.004 | 0.003 | 0.010 | 0.014 | 0.122 | |
| 12/15/09 | 0.003 | 0.005 | 0.005 | 0.028 | 0.000 | 0.005 | INV | 0.000 | 0.007 | 0.009 | 0.014 | 0.008 | 0.009 | 0.006 | 0.005 | 0.008 | 0.009 | 0.011 | 0.015 | 0.010 | 0.010 | 0.008 | 0.031 | 0.016 | 0.222 | |
| 12/16/09 | 0.021 | 0.003 | 0.008 | 0.005 | 0.023 | 0.008 | 0.013 | 0.018 | 0.008 | 0.022 | 0.018 | 0.006 | 0.013 | 0.018 | 0.005 | 0.005 | 0.015 | 0.012 | 0.009 | 0.007 | 0.008 | 0.010 | 0.005 | 0.010 | 0.270 | |
| 12/17/09 | 0.013 | 0.013 | 0.000 | 0.004 | 0.003 | 0.005 | 0.005 | 0.005 | 0.011 | 0.006 | 0.004 | 0.006 | 0.008 | 0.008 | 0.008 | 0.013 | 0.012 | 0.009 | 0.006 | 0.010 | 0.008 | 0.007 | 0.008 | 0.005 | 0.177 | |
| 12/18/09 | 0.005 | 0.007 | 0.005 | 0.005 | 0.005 | 0.008 | 0.000 | 0.008 | 0.003 | 0.001 | 0.002 | 0.008 | 0.013 | 0.008 | 0.010 | 0.010 | 0.009 | 0.012 | 0.006 | 0.010 | 0.004 | 0.008 | 0.008 | 0.008 | 0.163 | |
| 12/19/09 | 0.005 | 0.008 | 0.005 | 0.010 | 0.013 | 0.026 | 0.017 | 0.000 | 0.019 | 0.010 | 0.006 | 0.008 | 0.008 | 0.015 | 0.005 | 0.010 | 0.010 | 0.015 | 0.033 | INV | 0.017 | 0.005 | 0.010 | 0.010 | 0.265 | |
| 12/20/09 | 0.015 | 0.013 | 0.002 | 0.008 | 0.018 | 0.010 | 0.005 | 0.015 | 0.003 | 0.008 | 0.006 | INV | 0.013 | 0.010 | 0.013 | 0.012 | 0.018 | 0.007 | 0.010 | 0.007 | 0.007 | 0.008 | 0.008 | 0.016 | 0.232 | |
| 12/21/09 | 0.013 | 0.005 | 0.010 | 0.005 | 0.005 | 0.005 | 0.005 | 0.008 | 0.010 | 0.003 | 0.005 | 0.006 | INV | 0.005 | 0.010 | 0.005 | 0.003 | 0.005 | 0.005 | 0.007 | 0.003 | 0.005 | 0.002 | 0.136 | | |
| 12/22/09 | 0.002 | 0.003 | 0.002 | 0.002 | 0.005 | 0.003 | 0.003 | 0.003 | 0.004 | 0.003 | 0.005 | 0.018 | 0.106 | 0.117 | 0.000 | 0.000 | 0.005 | 0.008 | 0.004 | 0.002 | 0.005 | 0.005 | 0.308 | | | |
| 12/23/09 | 0.000 | 0.003 | 0.003 | 0.003 | 0.001 | 0.002 | 0.003 | 0.000 | 0.005 | 0.004 | 0.003 | 0.003 | 0.004 | 0.004 | 0.001 | 0.005 | 0.002 | 0.007 | 0.001 | 0.002 | 0.001 | 0.000 | 0.003 | 0.000 | 0.060 | |
| 12/24/09 | 0.000 | 0.003 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | INV | 0.000 | 0.000 | 0.002 | 0.002 | 0.008 | 0.005 | 0.008 | INV | 0.012 | 0.001 | 0.004 | 0.001 | 0.002 | 0.003 | 0.004 | 0.002 | 0.060 | |
| 12/25/09 | 0.003 | 0.000 | 0.003 | 0.000 | 0.002 | 0.000 | 0.000 | 0.002 | 0.001 | 0.000 | 0.000 | 0.001 | 0.003 | 0.003 | 0.003 | 0.010 | 0.009 | 0.008 | 0.004 | 0.001 | 0.003 | 0.004 | 0.006 | 0.070 | | |
| 12/26/09 | 0.002 | 0.002 | 0.000 | 0.003 | 0.003 | 0.003 | 0.009 | 0.003 | 0.003 | INV | 0.001 | 0.006 | 0.004 | 0.008 | 0.005 | 0.010 | 0.009 | 0.007 | 0.006 | 0.006 | 0.002 | 0.004 | 0.003 | 0.008 | 0.005 | 0.106 |
| 12/27/09 | 0.002 | 0.005 | 0.005 | 0.004 | 0.001 | 0.000 | 0.003 | 0.003 | 0.007 | 0.007 | 0.004 | 0.006 | 0.006 | 0.006 | 0.011 | 0.010 | 0.009 | 0.009 | 0.006 | 0.006 | 0.007 | 0.008 | 0.005 | 0.010 | 0.003 | 0.138 |
| 12/28/09 | 0.008 | 0.013 | 0.008 | 0.023 | INV | 0.003 | 0.013 | 0.018 | 0.026 | 0.031 | 0.079 | 0.013 | 0.008 | 0.003 | 0.005 | 0.013 | 0.008 | 0.012 | 0.008 | 0.008 | 0.003 | 0.015 | 0.002 | 0.020 | 0.340 | |
| 12/29/09 | 0.003 | 0.003 | 0.000 | 0.003 | 0.008 | 0.005 | 0.005 | 0.008 | 0.010 | 0.008 | 0.003 | INV | 0.003 | 0.003 | 0.002 | 0.010 | 0.010 | 0.007 | 0.004 | 0.004 | 0.005 | 0.003 | 0.003 | 0.003 | 0.113 | |
| 12/30/09 | 0.004 | 0.005 | 0.001 | 0.003 | 0.002 | 0.002 | 0.005 | 0.003 | 0.000 | 0.003 | 0.009 | 0.001 | 0.005 | 0.010 | 0.008 | 0.010 | 0.005 | 0.013 | 0.008 | 0.003 | 0.005 | 0.007 | 0.000 | 0.015 | 0.127 | |
| 12/31/09 | 0.002 | 0.003 | 0.002 | 0.003 | 0.010 | 0.000 | INV | 0.008 | 0.006 | 0.004 | 0.008 | 0.013 | 0.021 | 0.001 | 0.011 | 0.003 | 0.011 | 0.004 | 0.004 | 0.012 | 0.009 | 0.013 | 0.010 | 0.000 | 0.158 | |

Total Evaporation for the month = 5.080

Total Number of Observations: 720

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

OCTOBER 2009

PRECIPITATION (inches)

Total Precipitation for the month = 0.00

Total Number of Observations: 744

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

NOVEMBER 2009

PRECIPITATION (inches)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Total Precipitation |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | |
| 11/01/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/02/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/03/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/04/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/05/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/06/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/07/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/08/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/09/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/10/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/11/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/12/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/13/09 | 0.00 | 0.00 | 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 | 0.00 | 0.02 | 0.04 | 0.01 | 0.00 | 0.02 | 0.14 | |
| 11/14/09 | 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 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| 11/15/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/16/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/17/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/18/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/19/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/20/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/21/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/22/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/23/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/24/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/25/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/26/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/27/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/28/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11/29/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | |
| 11/30/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 = 0.48

Total Number of Observations: 720

Possible Number of Observations: 720

INV = Invalid Data

ND = No Data Collection

RESOLUTION COPPER - KC2 (WEST PLANT) MONITORING SITE

DECEMBER 2009

PRECIPITATION (inches)

| Day | Hour | | | | | | | | | | | | | | | | | | | | | | | | Total Precipitation |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | |
| 12/01/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/02/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/03/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/04/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/05/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/06/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | |
| 12/07/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.03 | 0.05 | 0.13 | 0.13 | 0.19 | 0.11 | 0.04 | 0.06 | 0.06 | 0.02 | 0.00 | 0.00 | 0.05 | 0.89 |
| 12/08/09 | 0.27 | 0.16 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | |
| 12/09/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/10/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/11/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | |
| 12/12/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/13/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/14/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/15/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/16/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/17/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/18/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/19/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/20/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/21/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/22/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.13 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | |
| 12/23/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/24/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 0.00 | |
| 12/25/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/26/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/27/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/28/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/29/09 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | |
| 12/30/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12/31/09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 = 1.86

Total Number of Observations: 743

Possible Number of Observations: 744

INV = Invalid Data

ND = No Data Collection