UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
RAW DATA REPORT

May. 1, 2013

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: JANUARY 2010

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| HOUR<br>DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 2.0 | 3.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .67 |
| 2 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 1.08 |
| 3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 24 | .13 |
| 4 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 22 | .73 |
| 5 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.46 |
| 6 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 24 | 1.54 |
| 7 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 5.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 25.0 | 9.0 | 2.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 24 | 2.96 |
| 8 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.08 |
| 9 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | 24 | 1.38 |
| 10 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 2.0 | 2.0 | .0 | .0 | 5.0 | 11.0 | 10.0 | 6.0 | 5.0 | 6.0 | 24 | 2.04 |
| 11 | 5.0 | 4.0 | 44.0 | 48.0 | 4.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | 5.08 |
| 12 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .71 |
| 13 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | | | 2.0 | 3.0 | 2.0 | 1.0 | 2.0 | 3.0 | 3.0 | 3.0 | 2.0 | 1.0 | .0 | 1.0 | .0 | 22 | 1.41 |
| 14 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 2.0 | 1.0 | .0 | .0 | 24 | .96 |
| 15 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.0 | 5.0 | 8.0 | 6.0 | 3.0 | 8.0 | 5.0 | 5.0 | 8.0 | 7.0 | 2.0 | 1.0 | 1.0 | 24 | 2.63 |
| 16 | 5.0 | 8.0 | 3.0 | 3.0 | 12.0 | 2.0 | 6.0 | 12.0 | 2.0 | 1.0 | 1.0 | 1.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 3.0 | 4.0 | 50.0 | 6.0 | 12.0 | 24 | 6.13 |
| 17 | 30.0 | P89.0 | 71.0 | 24.0 | 12.0 | 6.0 | 2.0 | 1.0 | .0 | 2.0 | 5.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | 5.0 | 1.0 | 24 | 10.71 |
| 18 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 24 | .08 |
| 19 | 6.0 | 2.0 | 3.0 | 2.0 | 5.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 24 | 1.38 |
| 20 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.00 |
| 21 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 24 | .79 |
| 22 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.42 |
| 23 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 24 | .50 |
| 24 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 25.0 | .0 | .0 | 15.0 | P161. | P174. | P86.0 | 45.0 | 6.0 | 3.0 | 2.0 | 2.0 | .0 | 7.0 | 34.0 | 1.0 | 6.0 | 24 | 23.71 |
| 25 | 1.0 | .0 | .0 | 1.0 | .0 | P77.0 | P150. | 7.0 | 66.0 | 1.0 | P91.0 | P241. | P178. | 66.0 | 37.0 | 48.0 | 20.0 | 27.0 | 59.0 | 15.0 | 2.0 | 18.0 | 4.0 | .0 | 24 | 46.21 |
| 26 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | .0 | 2.0 | 3.0 | 1.0 | 17.0 | 1.0 | 2.0 | 5.0 | 3.0 | 15.0 | 14.0 | 9.0 | 11.0 | 22 | 4.14 |
| 27 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | 2.0 | 3.0 | 4.0 | 1.0 | .0 | .0 | .0 | 2.0 | 1.0 | .0 | 1.0 | .0 | 24 | .88 |
| 28 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .08 |
| 29 | 1.0 | .0 | .0 | 3.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .67 |
| 30 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | .83 |
| 31 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 17.0 | 4.0 | 24.0 | 13.0 | 3.0 | 5.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 2.92 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 28 | 28 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 30.0 | 89.0 | 71.0 | 48.0 | 12.0 | 77.0 | 150.0 | 25.0 | 66.0 | 17.0 | 91.0 | 241.0 | 178.0 | 86.0 | 45.0 | 48.0 | 25.0 | 27.0 | 59.0 | 15.0 | 15.0 | 50.0 | 9.0 | 12.0 | | |
| AVG: | 1.87 | 3.71 | 4.35 | 3.19 | 1.61 | 3.39 | 5.81 | 2.16 | 3.16 | 1.57 | 5.11 | 14.97 | 13.13 | 6.52 | 4.26 | 3.42 | 2.58 | 2.10 | 3.19 | 1.87 | 2.06 | 4.39 | 1.32 | 1.48 | | |

MONTHLY OBSERVATIONS: 738 MONTHLY MEAN: 4.06 MONTHLY MAX: 241.0

9 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

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AIR QUALITY SYSTEM
RAW DATA REPORT

May. 1, 2013

(42401) Sulfur dioxide

CAS NUMBER: 7446-09-5
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UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SITE ID: 17-179-0004 POC: 2
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CITY: (58447) Pekin
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MONITOR COMMENTS: 20

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COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: FEBRUARY 2010

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | | | 4.0 | 5.0 | 4.0 | 5.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 3.0 | 22 | 1.82 |
| 2 | 3.0 | 4.0 | 5.0 | 5.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 5.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.63 |
| 3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 2.0 | 2.0 | 57.0 | P89.0 | 20.0 | 26.0 | 10.0 | 9.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 24 | 9.83 |
| 4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 3.0 | 3.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 4.0 | 3.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 24 | 1.79 |
| 5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 3.0 | 24 | .71 |
| 6 | 3.0 | 3.0 | 3.0 | 2.0 | 3.0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | 2.0 | 1.0 | 2.0 | 3.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.17 |
| 7 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .88 |
| 8 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 4.0 | 3.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 2.0 | 3.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 24 | 2.71 |
| 9 | 4.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 1.0 | .0 | .0 | | 1.0 | 2.0 | 3.0 | 1.0 | 1.0 | .0 | 1.0 | 4.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 23 | 1.74 |
| 10 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .33 |
| 11 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 18.0 | 14.0 | 3.0 | 25.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 3.17 |
| 12 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 29.0 | 19.0 | 4.0 | 1.0 | 1.0 | 1.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | 2.71 |
| 13 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 2.0 | 8.0 | 6.0 | 8.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.75 |
| 14 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 2.0 | 2.0 | 4.0 | 3.0 | 11.0 | 8.0 | 8.0 | 7.0 | 1.0 | 2.0 | 1.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | 2.79 |
| 15 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .54 |
| 16 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 24 | .75 |
| 17 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .92 |
| 18 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 18.0 | 10.0 | 15.0 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 2.46 |
| 19 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 | 20.0 | P77.0 | P114. | 19.0 | 8.0 | 9.0 | 10.0 | 7.0 | 5.0 | 4.0 | 3.0 | 2.0 | .0 | .0 | .0 | 24 | 11.75 |
| 20 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 3.0 | 5.0 | 5.0 | 13.0 | 6.0 | 7.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 2.29 |
| 21 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | .54 |
| 22 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 22 | .05 |
| 23 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 39.0 | 75.0 | 61.0 | 6.0 | 38.0 | 4.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | 9.92 |
| 24 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 2.0 | 24 | .75 |
| 25 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 4.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.00 |
| 26 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | .0 | .0 | .0 | .0 | 24 | .46 |
| 27 | 1.0 | .0 | 1.0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 6.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.38 |
| 28 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 4.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 24 | .75 |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 26 | 25 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | | |
| MAX: | 4.0 | 4.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 2.0 | 3.0 | 20.0 | 77.0 | 114.0 | 89.0 | 39.0 | 75.0 | 61.0 | 9.0 | 38.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | | |
| AVG: | .64 | .68 | .71 | .82 | .79 | .75 | .75 | .71 | 1.25 | 2.46 | 6.56 | 9.93 | 7.46 | 5.11 | 5.64 | 4.07 | 1.82 | 2.71 | 1.43 | .89 | .79 | .64 | .46 | .64 | | |

3 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

MONTHLY OBSERVATIONS: 667 MONTHLY MEAN: 2.39 MONTHLY MAX: 114.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

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AIR QUALITY SYSTEM
RAW DATA REPORT

May. 1, 2013

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
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AQCR: (065) BURLINGTON-KEOKUK
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UTM ZONE:
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ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: MARCH 2010

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| HOUR<br>DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .42 |
| 2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 | 5.0 | 4.0 | 5.0 | 4.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | 1.13 |
| 3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 12.0 | 9.0 | 4.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 22 | 1.27 |
| 4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 3.0 | 3.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | .83 |
| 5 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | .0 | 1.0 | 2.0 | 3.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .67 |
| 6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.0 | 2.0 | 2.0 | 4.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | 1.21 |
| 7 | 1.0 | 2.0 | 4.0 | 5.0 | 3.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 3.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.17 |
| 8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | .58 |
| 9 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.17 |
| 10 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 24 | .50 |
| 11 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | P82.0 | 74.0 | 12.0 | .0 | 50.0 | P117. | 6.0 | 47.0 | 13.0 | 24 | 17.08 |
| 12 | 14.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .96 |
| 13 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .54 |
| 14 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 4.0 | 2.0 | 1.0 | .0 | .0 | 23 | .87 |
| 15 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | | | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | 22 | .77 |
| 16 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .63 |
| 17 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 5.0 | 13.0 | 7.0 | 21.0 | 25.0 | 10.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 24 | 3.71 |
| 18 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 2.0 | 65.0 | P177. | 59.0 | 56.0 | 23.0 | 15.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 17.13 |
| 19 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 7.0 | 21.0 | 7.0 | P108. | P81.0 | 6.0 | 29.0 | 29.0 | 11.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 24 | 12.67 |
| 20 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .50 |
| 21 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .67 |
| 22 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | .46 |
| 23 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 3.0 | 3.0 | 2.0 | 3.0 | .0 | 7.0 | P108. | 46.0 | 14.0 | 12.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | 8.46 |
| 24 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 23 | .22 |
| 25 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .50 |
| 26 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .46 |
| 27 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 24 | .63 |
| 28 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 4.0 | 3.0 | 4.0 | 3.0 | 4.0 | 4.0 | 4.0 | 5.0 | 3.0 | 3.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 24 | 1.88 |
| 29 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 19.0 | 6.0 | 12.0 | 15.0 | 10.0 | 7.0 | 22.0 | 7.0 | 10.0 | 7.0 | 6.0 | 2.0 | 1.0 | 1.0 | 24 | 5.25 |
| 30 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .67 |
| 31 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 23 | .91 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 28 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 14.0 | 2.0 | 4.0 | 5.0 | 3.0 | 2.0 | 2.0 | 2.0 | 4.0 | 7.0 | 21.0 | 13.0 | 108.0 | 177.0 | 108.0 | 82.0 | 74.0 | 15.0 | 10.0 | 50.0 | 117.0 | 6.0 | 47.0 | 13.0 | | |
| AVG: | .65 | .32 | .32 | .45 | .29 | .42 | .48 | .58 | .94 | 1.41 | 2.89 | 2.38 | 7.68 | 11.00 | 7.77 | 8.23 | 6.03 | 2.52 | .94 | 2.48 | 4.39 | .65 | 1.74 | .71 | | |

MONTHLY OBSERVATIONS: 737 MONTHLY MEAN: 2.72 MONTHLY MAX: 177.0

6 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
RAW DATA REPORT

May. 1, 2013

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: APRIL 2010

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| HOUR<br>DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 24 | .75 |
| 2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 19.0 | 5.0 | 1.0 | .0 | .0 | 24 | 1.25 |
| 3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 32.0 | 5.0 | 52.0 | P102. | 6.0 | 1.0 | 10.0 | 56.0 | 67.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 14.17 |
| 4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | 5.0 | .0 | .0 | .0 | .0 | .0 | 24 | .92 |
| 5 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 7.0 | 9.0 | 3.0 | 2.0 | 5.0 | 4.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 24 | 1.96 |
| 6 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 24 | .50 |
| 7 | .0 | 1.0 | .0 | 5.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 5.0 | 70.0 | P179. | 21.0 | 34.0 | 7.0 | 2.0 | 1.0 | 2.0 | 1.0 | .0 | 1.0 | 24 | 13.75 |
| 8 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .46 |
| 9 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 45.0 | 24.0 | 50.0 | 47.0 | 43.0 | 63.0 | 41.0 | 21.0 | 12.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | 24 | 14.79 |
| 10 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 3.0 | 60.0 | 20.0 | 6.0 | 4.0 | 27.0 | 57.0 | 4.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 7.92 |
| 11 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 25.0 | 15.0 | 8.0 | 5.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 3.25 |
| 12 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | 1.21 |
| 13 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 2.0 | 4.0 | 40.0 | 61.0 | 27.0 | 4.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 24 | 6.17 |
| 14 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 3.0 | | 18.0 | 3.0 | 17.0 | 1.0 | 2.0 | 1.0 | 2.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 23 | 2.78 |
| 15 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 3.0 | 11.0 | 54.0 | P134. | P116. | P97.0 | 72.0 | 46.0 | 21.0 | 2.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 24 | 23.42 |
| 16 | 13.0 | 5.0 | 2.0 | 5.0 | 10.0 | 3.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.58 |
| 17 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 2.0 | 1.0 | 1.0 | 5.0 | 1.0 | 2.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .67 |
| 18 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 2.0 | 2.0 | 5.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 24 | .92 |
| 19 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 4.0 | 2.0 | 2.0 | 2.0 | 4.0 | 4.0 | 4.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 24 | 1.50 |
| 20 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | | 2.0 | 6.0 | 9.0 | 7.0 | 14.0 | 18.0 | 7.0 | .0 | 2.0 | .0 | .0 | .0 | .0 | .0 | 22 | 3.55 |
| 21 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 11.0 | 20.0 | 17.0 | 12.0 | 20.0 | 32.0 | 58.0 | P109. | 13.0 | 1.0 | .0 | 1.0 | P170. | 34.0 | 2.0 | 1.0 | 24 | 20.92 |
| 22 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 24.0 | 24.0 | 36.0 | 3.0 | 1.0 | 38.0 | 9.0 | 2.0 | 2.0 | 4.0 | 3.0 | 1.0 | 1.0 | .0 | 1.0 | 24 | 6.29 |
| 23 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .13 |
| 24 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 0.00 |
| 25 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .13 |
| 26 | .0 | .0 | .0 | 3.0 | 1.0 | 1.0 | 2.0 | 6.0 | | 7.0 | 12.0 | 10.0 | 5.0 | 2.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 23 | 2.17 |
| 27 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .83 |
| 28 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | .79 |
| 29 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .21 |
| 30 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 4.0 | 2.0 | 1.0 | .0 | 1.0 | 24 | .71 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 28 | 28 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 13.0 | 5.0 | 2.0 | 5.0 | 10.0 | 3.0 | 2.0 | 6.0 | 32.0 | 45.0 | 61.0 | 134.0 | 116.0 | 97.0 | 179.0 | 109.0 | 67.0 | 12.0 | 5.0 | 19.0 | 170.0 | 34.0 | 2.0 | 2.0 | | |
| AVG: | .73 | .47 | .33 | 1.03 | .80 | .47 | .67 | 1.13 | 3.68 | 6.96 | 10.20 | 15.43 | 9.07 | 9.50 | 15.27 | 11.37 | 7.83 | 1.37 | .83 | 1.33 | 6.27 | 1.63 | .37 | .50 | | |

7 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

MONTHLY OBSERVATIONS: 716 MONTHLY MEAN: 4.46 MONTHLY MAX: 179.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: MAY 2010

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| HOUR<br>DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 22.0 | 16.0 | 8.0 | 4.0 | 3.0 | 26.0 | 16.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 4.54 |
| 2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 5.0 | 14.0 | 42.0 | 30.0 | 12.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 13.0 | 1.0 | .0 | 24 | 5.13 |
| 3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 2.0 | 15.0 | 37.0 | 70.0 | 22.0 | 51.0 | P86.0 | 59.0 | 58.0 | P81.0 | 2.0 | 1.0 | 4.0 | 2.0 | 1.0 | 1.0 | 24 | 20.58 |
| 4 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .17 |
| 5 | .0 | .0 | .0 | 1.0 | .0 | 3.0 | .0 | .0 | | | 3.0 | 3.0 | .0 | .0 | .0 | 9.0 | .0 | .0 | .0 | .0 | 17.0 | 42.0 | 1.0 | 1.0 | 22 | 3.64 |
| 6 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 2.0 | 4.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .42 |
| 7 | 1.0 | 1.0 | .0 | 3.0 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 13.0 | 2.0 | 2.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 24 | 1.29 |
| 8 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .21 |
| 9 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 2.0 | 12.0 | 24.0 | 32.0 | P104. | 22.0 | P97.0 | 18.0 | 12.0 | 8.0 | 23.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | 24 | 14.96 |
| 10 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .67 |
| 11 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 21.0 | 27.0 | 20.0 | 23.0 | P106. | 38.0 | 7.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 10.17 |
| 12 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .04 |
| 13 | .0 | .0 | .0 | .0 | 2.0 | 2.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 71.0 | P190. | P331. | P97.0 | 31.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | 30.25 |
| 14 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 39.0 | 56.0 | 32.0 | 75.0 | 24.0 | 19.0 | 5.0 | 1.0 | 1.0 | 8.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 10.96 |
| 15 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .08 |
| 16 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 4.0 | 5.0 | 3.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .88 |
| 17 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .04 |
| 18 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 4.0 | 2.0 | 1.0 | 3.0 | 3.0 | 3.0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .83 |
| 19 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 23 | .61 |
| 20 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .21 |
| 21 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 62.0 | 22.0 | 17.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | 4.38 |
| 22 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 15.0 | 3.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 | 2.0 | 1.0 | .0 | 1.0 | .0 | .0 | 24 | 1.17 |
| 23 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .25 |
| 24 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 5.0 | 1.0 | .0 | 24 | .50 |
| 25 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 5.0 | 1.0 | .0 | .0 | .0 | 4.0 | 6.0 | 14.0 | 5.0 | 3.0 | 1.0 | .0 | .0 | .0 | 24 | 1.71 |
| 26 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.0 | 3.0 | | 5.0 | 21.0 | 13.0 | 43.0 | 6.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 23 | 4.09 |
| 27 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 24 | .25 |
| 28 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 3.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 24 | .75 |
| 29 | .0 | .0 | .0 | .0 | .0 | 2.0 | 3.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 24 | .71 |
| 30 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 3.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 24 | .75 |
| 31 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 12.0 | 28.0 | 22.0 | 1.0 | 1.0 | 10.0 | 17.0 | 8.0 | 12.0 | 15.0 | 13.0 | 9.0 | 7.0 | 3.0 | 1.0 | .0 | 24 | 6.75 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 28 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 1.0 | 1.0 | 1.0 | 3.0 | 2.0 | 3.0 | 4.0 | 39.0 | 56.0 | 32.0 | 75.0 | 70.0 | 106.0 | 71.0 | 190.0 | 331.0 | 97.0 | 81.0 | 23.0 | 9.0 | 17.0 | 42.0 | 1.0 | 1.0 | | |
| AVG: | .13 | .19 | .10 | .39 | .16 | .35 | .55 | 2.03 | 4.73 | 5.39 | 9.16 | 7.74 | 9.68 | 8.26 | 15.42 | 15.58 | 7.52 | 5.26 | 1.68 | .58 | 1.06 | 2.26 | .23 | .13 | | |

8 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

MONTHLY OBSERVATIONS: 740 MONTHLY MEAN: 4.10 MONTHLY MAX: 331.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
RAW DATA REPORT

May. 1, 2013

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: JUNE 2010

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 11.0 | 1.0 | 3.0 | 27.0 | 50.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 4.38 |
| 2 | 50.0 | 42.0 | 16.0 | 17.0 | 1.0 | .0 | 1.0 | 48.0 | P254. | 9.0 | 6.0 | 9.0 | 15.0 | 8.0 | 7.0 | 38.0 | 42.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 23.50 |
| 3 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 2.0 | 6.0 | 5.0 | 2.0 | 1.0 | 2.0 | 4.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.50 |
| 4 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 9.0 | 26.0 | 66.0 | 69.0 | 16.0 | 1.0 | .0 | .0 | .0 | 24 | 7.88 |
| 5 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 2.0 | 9.0 | 7.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | .0 | 20.0 | 15.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 24 | 2.79 |
| 6 | 5.0 | 2.0 | 2.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | 16.0 | 22.0 | 9.0 | 3.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 2.54 |
| 7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 28.0 | 8.0 | 34.0 | 18.0 | 2.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 22 | 4.59 |
| 8 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.0 | 2.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .46 |
| 9 | .0 | .0 | .0 | 4.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 11.0 | 13.0 | 28.0 | 60.0 | 27.0 | 3.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | .0 | .0 | 24 | 6.58 |
| 10 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 24 | .42 |
| 11 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .21 |
| 12 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 18.0 | 4.0 | 19.0 | 1.0 | 5.0 | .0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 24 | 2.13 |
| 13 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 2.0 | 1.0 | 12.0 | 3.0 | 1.0 | 1.0 | 1.0 | 2.0 | 8.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 24 | 1.83 |
| 14 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 17.0 | 4.0 | 2.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 24 | 1.08 |
| 15 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 10.0 | 1.0 | .0 | .0 | 3.0 | .0 | 1.0 | 10.0 | 14.0 | 1.0 | 24 | 1.75 |
| 16 | .0 | .0 | 3.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .67 |
| 17 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .04 |
| 18 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 24 | .08 |
| 19 | .0 | .0 | 1.0 | 2.0 | .0 | 15.0 | 2.0 | .0 | .0 | .0 | 1.0 | 39.0 | 60.0 | P115. | P80.0 | 51.0 | 12.0 | 10.0 | 1.0 | 1.0 | 2.0 | 1.0 | .0 | .0 | 24 | 16.38 |
| 20 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | 11.0 | 35.0 | 42.0 | 36.0 | 9.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 6.04 |
| 21 | .0 | .0 | 1.0 | 1.0 | 47.0 | 21.0 | 2.0 | 2.0 | 6.0 | 28.0 | 19.0 | 2.0 | 4.0 | 3.0 | 23.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 3.0 | 2.0 | 2.0 | 24 | 7.08 |
| 22 | 5.0 | 2.0 | 1.0 | 4.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 24 | .71 |
| 23 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 6.0 | 2.0 | .0 | .0 | .0 | | | | | | | | | | 15 | .67 |
| 24 | | | | | | | .0 | 2.0 | 5.0 | | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 17 | .47 |
| 25 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .04 |
| 26 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 12.0 | 3.0 | 18.0 | 19.0 | 30.0 | 6.0 | 1.0 | 2.0 | 20.0 | 5.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 5.00 |
| 27 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.0 | 5.0 | 1.0 | 2.0 | 11.0 | P87.0 | P87.0 | 9.0 | .0 | 14.0 | 4.0 | 4.0 | 6.0 | .0 | .0 | .0 | 24 | 9.71 |
| 28 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .08 |
| 29 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 | 3.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .42 |
| 30 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | | | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 22 | .77 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 29 | 27 | 29 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | | |
| MAX: | 50.0 | 42.0 | 16.0 | 17.0 | 47.0 | 21.0 | 2.0 | 48.0 | 254.0 | 28.0 | 28.0 | 39.0 | 60.0 | 115.0 | 87.0 | 51.0 | 42.0 | 66.0 | 69.0 | 16.0 | 6.0 | 10.0 | 14.0 | 2.0 | | |
| AVG: | 2.17 | 1.72 | .93 | 1.34 | 1.90 | 1.38 | .43 | 2.47 | 11.07 | 3.30 | 4.76 | 5.27 | 7.20 | 11.70 | 11.27 | 7.28 | 4.21 | 4.07 | 2.90 | 1.07 | .79 | .76 | .76 | .34 | | |

MONTHLY OBSERVATIONS: 700 MONTHLY MEAN: 3.74 MONTHLY MAX: 254.0

5 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: JULY 2010

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 3.0 | 2.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .58 |
| 2 | .0 | .0 | .0 | .0 | .0 | .0 | 3.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .75 |
| 3 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 2.0 | 3.0 | 4.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 24 | 1.42 |
| 4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 24 | .21 |
| 5 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .79 |
| 6 | .0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | .0 | .0 | 10.0 | 9.0 | 31.0 | 6.0 | 15.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 3.38 |
| 7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 2.0 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 24 | .25 |
| 8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .08 |
| 9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 4.0 | 5.0 | 11.0 | 6.0 | 2.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.25 |
| 10 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 6.0 | 9.0 | 5.0 | 15.0 | 5.0 | 5.0 | 12.0 | 3.0 | 5.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 2.96 |
| 11 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .63 |
| 12 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | 6.0 | 29.0 | 25.0 | 8.0 | .0 | 1.0 | 5.0 | 3.0 | 1.0 | .0 | .0 | .0 | 24 | 3.33 |
| 13 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 12.0 | 19.0 | 17.0 | 6.0 | 4.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 2.71 |
| 14 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 2.0 | 2.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .29 |
| 15 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 5.0 | 3.0 | | | 22.0 | 35.0 | 30.0 | 14.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 22 | 5.05 |
| 16 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 3.0 | 46.0 | 27.0 | 55.0 | 5.0 | 11.0 | 5.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 24 | 6.54 |
| 17 | .0 | .0 | .0 | 1.0 | .0 | .0 | 3.0 | 6.0 | 18.0 | 17.0 | 32.0 | 23.0 | 71.0 | 22.0 | 18.0 | 2.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 8.96 |
| 18 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 6.0 | 26.0 | 44.0 | 36.0 | 42.0 | 15.0 | 26.0 | 8.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | 8.67 |
| 19 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 35.0 | 18.0 | 1.0 | .0 | 1.0 | 2.0 | .0 | 1.0 | .0 | 1.0 | 17.0 | 2.0 | .0 | .0 | .0 | 24 | 3.29 |
| 20 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 9.0 | 13.0 | 62.0 | 11.0 | 9.0 | 24.0 | 3.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | 5.71 |
| 21 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 6.0 | 3.0 | 2.0 | 2.0 | 4.0 | 1.0 | 39.0 | 20.0 | 4.0 | 1.0 | 1.0 | 1.0 | 2.0 | .0 | .0 | 24 | 3.96 |
| 22 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.00 |
| 23 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 2.0 | 3.0 | 62.0 | 66.0 | 20.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 6.71 |
| 24 | .0 | .0 | .0 | 3.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 15.0 | 5.0 | 2.0 | 1.0 | 3.0 | 2.0 | 2.0 | 24 | 1.50 |
| 25 | 8.0 | 4.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.17 |
| 26 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 3.0 | 4.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .75 |
| 27 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .67 |
| 28 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 12.0 | 51.0 | 26.0 | P94.0 | P107. | 47.0 | 58.0 | 33.0 | 4.0 | 2.0 | 4.0 | 18.0 | 3.0 | 1.0 | .0 | 24 | 19.21 |
| 29 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | | | 6.0 | 3.0 | 3.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 22 | 1.27 |
| 30 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | .79 |
| 31 | 1.0 | 1.0 | 1.0 | 2.0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 2.0 | .0 | .0 | .0 | .0 | 4.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .71 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 8.0 | 4.0 | 2.0 | 3.0 | 1.0 | 2.0 | 5.0 | 6.0 | 46.0 | 35.0 | 62.0 | 66.0 | 94.0 | 107.0 | 47.0 | 58.0 | 33.0 | 15.0 | 5.0 | 17.0 | 18.0 | 3.0 | 2.0 | 2.0 | | |
| AVG: | .42 | .19 | .23 | .81 | .19 | .26 | .81 | 1.10 | 3.31 | 4.52 | 9.58 | 7.71 | 13.06 | 9.35 | 6.71 | 5.97 | 3.81 | 1.71 | .71 | 1.06 | .97 | .42 | .23 | .19 | | |

2 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

MONTHLY OBSERVATIONS: 740 MONTHLY MEAN: 3.05 MONTHLY MAX: 107.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
RAW DATA REPORT

May. 1, 2013

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: AUGUST 2010

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| HOUR<br>DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 3.0 | 6.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .63 |
| 2 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 24 | .17 |
| 3 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 2.0 | .0 | .0 | 4.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | .58 |
| 4 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | | | 39.0 | 29.0 | 9.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 22 | 3.77 |
| 5 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 23 | .48 |
| 6 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | 24 | .38 |
| 7 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 3.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .75 |
| 8 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 3.0 | 7.0 | 5.0 | 4.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.50 |
| 9 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 3.0 | 8.0 | 6.0 | 5.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 16.0 | 9.0 | 24 | 2.46 |
| 10 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 11.0 | 5.0 | 2.0 | 1.0 | .0 | 22 | 1.14 |
| 11 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 | 2.0 | 2.0 | 3.0 | 8.0 | 5.0 | 12.0 | 5.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 1.92 |
| 12 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | .46 |
| 13 | .0 | .0 | 1.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .17 |
| 14 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 16.0 | 20.0 | 5.0 | 4.0 | 6.0 | 7.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 3.04 |
| 15 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.08 |
| 16 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .17 |
| 17 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 3.0 | 3.0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .50 |
| 18 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 23 | .96 |
| 19 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | 1.42 |
| 20 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 4.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | 1.00 |
| 21 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .92 |
| 22 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 24 | .33 |
| 23 | .0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | 1.29 |
| 24 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 27.0 | 10.0 | 5.0 | 9.0 | 10.0 | 4.0 | 1.0 | 2.0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 4.0 | 1.0 | 24 | 3.25 |
| 25 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 4.0 | 5.0 | 12.0 | 4.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.17 |
| 26 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 9.0 | 9.0 | 13.0 | 15.0 | 19.0 | 20.0 | 23.0 | 9.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 5.38 |
| 27 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .92 |
| 28 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 6.0 | 7.0 | 5.0 | 4.0 | 4.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 24 | 2.58 |
| 29 | 2.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | 1.0 | 4.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.33 |
| 30 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 2.0 | | | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 22 | .82 |
| 31 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | .88 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 27 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 3.0 | 27.0 | 10.0 | 39.0 | 29.0 | 13.0 | 15.0 | 19.0 | 20.0 | 23.0 | 9.0 | 4.0 | 11.0 | 5.0 | 2.0 | 16.0 | 9.0 | | |
| AVG: | .26 | .23 | .26 | .94 | .16 | .19 | .23 | .55 | 2.21 | 2.22 | 4.47 | 3.77 | 2.39 | 1.84 | 2.00 | 1.97 | 1.97 | 1.26 | 1.03 | 1.13 | .87 | .61 | 1.13 | .68 | | |

MONTHLY OBSERVATIONS: 736 MONTHLY MEAN: 1.33 MONTHLY MAX: 39.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: SEPTEMBER 2010

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| HOUR<br>DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 12.0 | 8.0 | 16.0 | 34.0 | 5.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 24 | 3.71 |
| 2 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 2.0 | 7.0 | 55.0 | 41.0 | 8.0 | 3.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 24 | 5.13 |
| 3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 3.0 | 1.0 | 16.0 | 6.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 24 | 1.38 |
| 4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .71 |
| 5 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.13 |
| 6 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.04 |
| 7 | 1.0 | 1.0 | 2.0 | .0 | .0 | 4.0 | 20.0 | 21.0 | 59.0 | P228. | P217. | P224. | P202. | P195. | P210. | 51.0 | 40.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 61.46 |
| 8 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 14.0 | 42.0 | 3.0 | 13.0 | 13.0 | 20.0 | 27.0 | 13.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 24 | 6.63 |
| 9 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 3.0 | 23 | 1.17 |
| 10 | 3.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 3.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | .0 | .0 | 1.0 | 24 | 1.58 |
| 11 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | .0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .96 |
| 12 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 15.0 | 67.0 | P92.0 | 51.0 | P110. | 57.0 | 38.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 18.33 |
| 13 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 34.0 | 11.0 | 10.0 | 59.0 | 18.0 | 63.0 | 27.0 | 20.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 33.0 | 24 | 11.79 |
| 14 | 23.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 24 | 2.21 |
| 15 | 3.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 5.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.67 |
| 16 | 1.0 | 9.0 | 30.0 | 4.0 | 1.0 | 66.0 | P102. | 73.0 | | | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 22 | 13.27 |
| 17 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | .79 |
| 18 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 2.0 | 4.0 | 11.0 | 3.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.08 |
| 19 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 24 | .42 |
| 20 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 2.0 | 1.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 1.29 |
| 21 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 | 2.0 | 2.0 | 2.0 | | 7.0 | 3.0 | 2.0 | 4.0 | 3.0 | .0 | 5.0 | 1.0 | .0 | .0 | 23 | 1.57 |
| 22 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 18.0 | 25.0 | 13.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 2.0 | 1.0 | 24 | 3.00 |
| 23 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 24 | 1.13 |
| 24 | 2.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | 6.0 | 2.0 | 4.0 | 2.0 | 9.0 | 53.0 | 4.0 | 5.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | .0 | 24 | 4.25 |
| 25 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 8.0 | 3.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .67 |
| 26 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | .58 |
| 27 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 2.0 | 16.0 | 11.0 | 8.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.92 |
| 28 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | | | 4.0 | 34.0 | 11.0 | 5.0 | 4.0 | 6.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 22 | 3.05 |
| 29 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | 4.0 | 18.0 | 28.0 | 26.0 | 11.0 | 19.0 | 24.0 | 13.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 6.33 |
| 30 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 4.0 | 5.0 | 10.0 | 7.0 | 10.0 | 5.0 | 2.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | 2.33 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 28 | 27 | 30 | 30 | 30 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 23.0 | 9.0 | 30.0 | 4.0 | 1.0 | 66.0 | 102.0 | 73.0 | 59.0 | 228.0 | 217.0 | 224.0 | 202.0 | 195.0 | 210.0 | 51.0 | 40.0 | 4.0 | 3.0 | 2.0 | 5.0 | 3.0 | 3.0 | 33.0 | | |
| AVG: | 1.30 | .87 | 1.47 | .90 | .23 | 2.63 | 4.77 | 3.77 | 4.86 | 13.22 | 13.40 | 19.40 | 15.13 | 18.31 | 13.27 | 6.50 | 2.83 | .97 | .93 | .70 | 1.03 | .63 | .67 | 1.73 | | |

9 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

MONTHLY OBSERVATIONS: 714 MONTHLY MEAN: 5.35 MONTHLY MAX: 228.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
RAW DATA REPORT

May. 1, 2013

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: OCTOBER 2010

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| HOUR<br>DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 43.0 | 26.0 | 27.0 | P97.0 | 14.0 | 14.0 | 15.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | 10.17 |
| 2 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 2.0 | 5.0 | 2.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .67 |
| 3 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | .88 |
| 4 | .0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 4.0 | 8.0 | 13.0 | 12.0 | 20.0 | 17.0 | 4.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 24 | 4.00 |
| 5 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | 7.0 | 66.0 | 18.0 | 31.0 | 33.0 | 10.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 22 | 8.18 |
| 6 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 18.0 | 54.0 | 50.0 | 74.0 | 53.0 | 49.0 | P98.0 | 42.0 | 1.0 | 1.0 | 1.0 | 16.0 | 10.0 | 1.0 | .0 | 24 | 19.58 |
| 7 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 5.0 | 7.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | .67 |
| 8 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 14.0 | 52.0 | 56.0 | 70.0 | 15.0 | 8.0 | 5.0 | 6.0 | 3.0 | 1.0 | .0 | 1.0 | 2.0 | 1.0 | 24 | 9.88 |
| 9 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 3.0 | 3.0 | 3.0 | 3.0 | 29.0 | 16.0 | 32.0 | 29.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 5.42 |
| 10 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 | 2.0 | 4.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .75 |
| 11 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 5.0 | 2.0 | 18.0 | 10.0 | 65.0 | 11.0 | 25.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | 5.83 |
| 12 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 5.0 | 7.0 | 14.0 | 31.0 | 24.0 | 3.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | 3.96 |
| 13 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 | 9.0 | 4.0 | 3.0 | 3.0 | 3.0 | 7.0 | .0 | 4.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.54 |
| 14 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 18.0 | 54.0 | 41.0 | P160. | P108. | P120. | 55.0 | 4.0 | 1.0 | 1.0 | 1.0 | 1.0 | 28.0 | 3.0 | 1.0 | 24 | 24.88 |
| 15 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 3.0 | 3.0 | 12.0 | 10.0 | 7.0 | 5.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 2.58 |
| 16 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 5.0 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.29 |
| 17 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .88 |
| 18 | 1.0 | 3.0 | 8.0 | 3.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.46 |
| 19 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | | .0 | 25.0 | 10.0 | 2.0 | 37.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 23 | 3.83 |
| 20 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | .0 | 39.0 | 53.0 | 31.0 | 48.0 | P105. | P145. | P196. | P173. | P198. | P127. | 11.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 24 | 47.25 |
| 21 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.17 |
| 22 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 24 | 1.13 |
| 23 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .79 |
| 24 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .38 |
| 25 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | 24 | .17 |
| 26 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 7.0 | 7.0 | 11.0 | 18.0 | 28.0 | 15.0 | 43.0 | 18.0 | 57.0 | 67.0 | P111. | 30.0 | 13.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 18.13 |
| 27 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 5.0 | | | 26.0 | P107. | P220. | 34.0 | 46.0 | P96.0 | 28.0 | .0 | .0 | .0 | .0 | .0 | .0 | 22 | 25.59 |
| 28 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .67 |
| 29 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 8.0 | 10.0 | 11.0 | 2.0 | 5.0 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | 24 | 2.33 |
| 30 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 4.0 | 9.0 | 23.0 | 28.0 | P172. | P77.0 | 51.0 | 18.0 | 22.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | 17.33 |
| 31 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | 1.21 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 28 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 1.0 | 3.0 | 8.0 | 3.0 | 2.0 | 7.0 | 7.0 | 11.0 | 39.0 | 53.0 | 54.0 | 66.0 | 160.0 | 220.0 | 196.0 | 173.0 | 198.0 | 127.0 | 11.0 | 2.0 | 16.0 | 28.0 | 3.0 | 1.0 | | |
| AVG: | .39 | .45 | .61 | .65 | .45 | .74 | .97 | 1.00 | 3.10 | 5.57 | 9.43 | 15.58 | 22.65 | 35.94 | 23.87 | 21.68 | 14.58 | 7.23 | 1.42 | .74 | 1.10 | 1.74 | .65 | .42 | | |

MONTHLY OBSERVATIONS: 739 MONTHLY MEAN: 7.13 MONTHLY MAX: 220.0

17 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: NOVEMBER 2010

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .75 |
| 2 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.00 |
| 3 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 2.0 | .0 | .0 | .0 | .0 | 5.0 | 25.0 | 58.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 4.42 |
| 4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .13 |
| 5 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 6.0 | 10.0 | 5.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 24 | 1.75 |
| 6 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | 2.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.17 |
| 7 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 4.0 | 9.0 | 7.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | .0 | .0 | .0 | 1.0 | 2.0 | 24 | 1.58 |
| 8 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | .92 |
| 9 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 24 | .96 |
| 10 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 22 | .68 |
| 11 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 4.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .46 |
| 12 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 4.0 | 5.0 | 6.0 | 6.0 | 5.0 | 4.0 | 4.0 | 3.0 | 3.0 | 5.0 | 6.0 | 5.0 | 4.0 | 4.0 | 24 | 2.75 |
| 13 | 4.0 | 3.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 4.0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 12.0 | 23.0 | P102. | P151. | P122. | P144. | P114. | 59.0 | P167. | 24 | 38.54 |
| 14 | 65.0 | 37.0 | 34.0 | P122. | 21.0 | 2.0 | 1.0 | 1.0 | 25.0 | 42.0 | 7.0 | 3.0 | 41.0 | P104. | 21.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 11.0 | 14.0 | 6.0 | 24 | 23.29 |
| 15 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 6.0 | 2.0 | 2.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | 1.00 |
| 16 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 11.0 | 16.0 | 14.0 | 5.0 | 10.0 | 4.0 | 8.0 | 7.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 24 | 3.96 |
| 17 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 23 | 1.04 |
| 18 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | 1.00 |
| 19 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 1.13 |
| 20 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .38 |
| 21 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 24 | .71 |
| 22 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 64.0 | 18.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 4.33 |
| 23 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 0.00 |
| 24 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 24 | .96 |
| 25 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 3.0 | 24 | .71 |
| 26 | 21.0 | 58.0 | P134. | 36.0 | 35.0 | 29.0 | 53.0 | P138. | P116. | 40.0 | 2.0 | 2.0 | 5.0 | 2.0 | P111. | 34.0 | 5.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 34.46 |
| 27 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 3.0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 24 | .29 |
| 28 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 3.0 | 24 | 1.17 |
| 29 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .71 |
| 30 | .0 | 1.0 | P113. | 75.0 | 75.0 | P114. | P144. | P77.0 | P149. | P95.0 | P125. | P114. | P137. | 47.0 | P95.0 | 10.0 | 6.0 | 22.0 | 7.0 | 3.0 | 45.0 | 13.0 | 2.0 | 1.0 | 24 | 61.25 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 65.0 | 58.0 | 134.0 | 122.0 | 75.0 | 114.0 | 144.0 | 138.0 | 149.0 | 95.0 | 125.0 | 114.0 | 137.0 | 104.0 | 111.0 | 34.0 | 64.0 | 102.0 | 151.0 | 122.0 | 144.0 | 114.0 | 59.0 | 167.0 | | |
| AVG: | 3.50 | 3.80 | 9.93 | 8.33 | 4.90 | 5.37 | 7.27 | 7.80 | 10.57 | 7.24 | 6.34 | 6.03 | 8.93 | 8.53 | 9.03 | 2.87 | 4.27 | 5.70 | 6.17 | 4.97 | 7.20 | 5.27 | 3.20 | 6.53 | | |

MONTHLY OBSERVATIONS: 717 MONTHLY MEAN: 6.41 MONTHLY MAX: 167.0

22 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: DECEMBER 2010

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | 1.0 | 1.0 | 5.0 | 1.0 | 1.0 | 9.0 | 2.0 | .0 | .0 | | 6.0 | 2.0 | 7.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 23 | 1.65 |
| 2 | .0 | 6.0 | 8.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 2.0 | 1.0 | 1.0 | 6.0 | 5.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.71 |
| 3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 24 | .75 |
| 4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .50 |
| 5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.00 |
| 6 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 24 | .50 |
| 7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 23 | .22 |
| 8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 24 | .83 |
| 9 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 24 | 2.08 |
| 10 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.04 |
| 11 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 35.0 | 44.0 | 72.0 | P81.0 | P88.0 | 16.0 | 7.0 | 3.0 | 24 | 14.46 |
| 12 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 24 | 1.04 |
| 13 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 3.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 24 | .42 |
| 14 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 11.0 | 3.0 | 5.0 | 3.0 | 5.0 | 3.0 | 3.0 | 3.0 | 8.0 | 14.0 | 8.0 | 6.0 | 3.0 | 2.0 | 24 | 3.42 |
| 15 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 5.0 | 9.0 | 4.0 | 2.0 | 3.0 | 5.0 | 9.0 | 5.0 | 5.0 | 4.0 | 3.0 | 1.0 | 1.0 | 24 | 2.75 |
| 16 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 24 | 1.21 |
| 17 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 16.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 24 | 2.08 |
| 18 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | .0 | 6.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.29 |
| 19 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 3.0 | 2.0 | 3.0 | 4.0 | 6.0 | 6.0 | 4.0 | 4.0 | 24 | 1.63 |
| 20 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 4.0 | 4.0 | 5.0 | 7.0 | 8.0 | 6.0 | 6.0 | 1.0 | 24 | 2.54 |
| 21 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 24 | 1.50 |
| 22 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 23 | .91 |
| 23 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .38 |
| 24 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .21 |
| 25 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 2.0 | 5.0 | 8.0 | 3.0 | 3.0 | 3.0 | 3.0 | 1.0 | 4.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | 1.75 |
| 26 | .0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 6.0 | 3.0 | 6.0 | 3.0 | 1.0 | 1.0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.50 |
| 27 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 4.0 | 2.0 | 5.0 | 6.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 24 | 1.71 |
| 28 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 24 | 1.63 |
| 29 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .50 |
| 30 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.00 |
| 31 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | P91.0 | P99.0 | 24 | 8.83 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 28 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 3.0 | 6.0 | 8.0 | 5.0 | 2.0 | 2.0 | 9.0 | 2.0 | 2.0 | 3.0 | 11.0 | 6.0 | 9.0 | 16.0 | 6.0 | 4.0 | 35.0 | 44.0 | 72.0 | 81.0 | 88.0 | 16.0 | 91.0 | 99.0 | | |
| AVG: | .77 | .97 | 1.03 | .90 | .65 | .61 | .87 | .74 | .71 | .97 | 1.39 | 1.87 | 2.16 | 2.35 | 1.68 | 1.48 | 2.58 | 2.87 | 3.81 | 4.39 | 4.48 | 1.77 | 4.19 | 4.03 | | |

4 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

MONTHLY OBSERVATIONS: 741 MONTHLY MEAN: 1.97 MONTHLY MAX: 99.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
RAW DATA REPORT

May. 1, 2013

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: JANUARY 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| HOUR<br>DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | P172. | P77.0 | P96.0 | 29.0 | P116. | P158. | P153. | P128. | 31.0 | 65.0 | 46.0 | 8.0 | P102. | P221. | P201. | P100. | 37.0 | 1.0 | 1.0 | 1.0 | 18.0 | 20.0 | 4.0 | 1.0 | 24 | 74.42 |
| 2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 1.0 | 1.0 | 1.0 | 4.0 | 15.0 | 38.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 24 | 3.46 |
| 3 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 5.0 | 4.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 2.0 | 24 | 1.71 |
| 4 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 8.0 | 1.0 | 1.0 | 2.0 | 4.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 24 | 1.21 |
| 5 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | | | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 3.0 | 2.0 | 22 | 1.73 |
| 6 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .50 |
| 7 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .75 |
| 8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .08 |
| 9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | P110. | 30.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 6.38 |
| 10 | .0 | .0 | .0 | .0 | 1.0 | 3.0 | 2.0 | 1.0 | 3.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.33 |
| 11 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .13 |
| 12 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .21 |
| 13 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .54 |
| 14 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 24 | 1.42 |
| 15 | 2.0 | 1.0 | 1.0 | 10.0 | 7.0 | 3.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.46 |
| 16 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 7.0 | 5.0 | 11.0 | 4.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.67 |
| 17 | 2.0 | 3.0 | 3.0 | 4.0 | 5.0 | 4.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 2.04 |
| 18 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .21 |
| 19 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 24 | .63 |
| 20 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 4.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.08 |
| 21 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 9.0 | 17.0 | 8.0 | 2.0 | 19.0 | 13.0 | 7.0 | 3.0 | 4.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 24 | 4.50 |
| 22 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 10.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 24 | 1.54 |
| 23 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 24 | 1.29 |
| 24 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 5.0 | 12.0 | 3.0 | 3.0 | 4.0 | 10.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 24 | 2.67 |
| 25 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 22 | .95 |
| 26 | 1.0 | 1.0 | .0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .71 |
| 27 | .0 | 7.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | 1.00 |
| 28 | .0 | .0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 4.0 | 12.0 | 14.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 24 | 2.04 |
| 29 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 4.0 | 2.0 | 1.0 | .0 | 1.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 24 | 1.21 |
| 30 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .50 |
| 31 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .42 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 172.0 | 77.0 | 96.0 | 29.0 | 116.0 | 158.0 | 153.0 | 128.0 | 31.0 | 65.0 | 46.0 | 110.0 | 102.0 | 221.0 | 201.0 | 100.0 | 37.0 | 3.0 | 4.0 | 5.0 | 18.0 | 20.0 | 4.0 | 2.0 | | |
| AVG: | 6.23 | 3.48 | 3.84 | 1.94 | 4.68 | 6.00 | 5.74 | 4.81 | 1.77 | 3.31 | 3.34 | 6.61 | 7.68 | 8.81 | 8.55 | 5.39 | 2.61 | .77 | .71 | .74 | 1.32 | 1.32 | 1.00 | .77 | | |

MONTHLY OBSERVATIONS: 740 MONTHLY MEAN: 3.81 MONTHLY MAX: 221.0

12 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: FEBRUARY 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | | 1.0 | .0 | 1.0 | 1.0 | 22 | .73 |
| 2 | 1.0 | 5.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 3.0 | 7.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.29 |
| 3 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 11.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 24 | 1.79 |
| 4 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 3.0 | 3.0 | 4.0 | 4.0 | 3.0 | 5.0 | 3.0 | 2.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.92 |
| 5 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 2.04 |
| 6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | .63 |
| 7 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 23 | 1.26 |
| 8 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 3.0 | 3.0 | 24 | 1.50 |
| 9 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 3.0 | | | 1.0 | 3.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 22 | .68 |
| 10 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 24 | 1.33 |
| 11 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 4.0 | 4.0 | 3.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | P98.0 | P146. | 7.0 | 24 | 12.33 |
| 12 | 4.0 | 12.0 | 8.0 | 6.0 | 3.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 2.46 |
| 13 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 3.0 | 3.0 | 3.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 29.0 | 33.0 | P182. | P199. | 24 | 19.58 |
| 14 | 27.0 | 5.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 24 | 2.04 |
| 15 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .83 |
| 16 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 2.0 | | | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 22 | .64 |
| 17 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.08 |
| 18 | 1.0 | 1.0 | 1.0 | 3.0 | 8.0 | 5.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .96 |
| 19 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .33 |
| 20 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | .67 |
| 21 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .08 |
| 22 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .33 |
| 23 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.21 |
| 24 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | .96 |
| 25 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 4.0 | 4.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.00 |
| 26 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .25 |
| 27 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .63 |
| 28 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 3.0 | 1.0 | 6.0 | 2.0 | 2.0 | 4.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 24 | 1.29 |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 27 | 25 | 27 | 28 | 28 | 27 | 28 | 28 | 28 | 28 | 27 | 28 | 28 | 28 | 28 | | |
| MAX: | 27.0 | 12.0 | 8.0 | 6.0 | 8.0 | 5.0 | 3.0 | 2.0 | 4.0 | 4.0 | 3.0 | 4.0 | 7.0 | 11.0 | 4.0 | 5.0 | 3.0 | 2.0 | 3.0 | 3.0 | 29.0 | 98.0 | 182.0 | 199.0 | | |
| AVG: | 1.64 | 1.25 | .93 | .89 | 1.00 | .96 | .75 | .86 | 1.21 | 1.44 | 1.56 | 1.44 | 2.00 | 1.82 | 1.44 | 1.46 | 1.00 | .86 | .79 | .85 | 1.89 | 5.29 | 12.25 | 7.86 | | |

MONTHLY OBSERVATIONS: 665 MONTHLY MEAN: 2.15 MONTHLY MAX: 199.0

4 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
RAW DATA REPORT

May. 1, 2013

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: MARCH 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| HOUR<br>DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 9.0 | 4.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 24 | 1.63 |
| 2 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | | 4.0 | 3.0 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 23 | .96 |
| 3 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 3.0 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 24 | 2.50 |
| 4 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.54 |
| 5 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 6.0 | 2.0 | 1.0 | 2.0 | 1.0 | | | | | 1.0 | 1.0 | 1.0 | .0 | 20 | 1.30 |
| 6 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 4.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .50 |
| 7 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | .67 |
| 8 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 24 | 1.54 |
| 9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | -1.0 | .0 | P90.0 | 42.0 | 2.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 22 | 6.23 |
| 10 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .13 |
| 11 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 6.0 | 4.0 | 5.0 | 1.0 | 2.0 | 2.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 24 | 1.08 |
| 12 | 2.0 | 21.0 | 9.0 | 2.0 | 14.0 | 10.0 | 8.0 | 2.0 | 1.0 | 2.0 | 1.0 | 2.0 | 11.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | 3.96 |
| 13 | .0 | .0 | -1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 3.0 | 8.0 | 11.0 | 13.0 | 4.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 2.00 |
| 14 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 24 | .42 |
| 15 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | -1.0 | -1.0 | 24 | .33 |
| 16 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 21.0 | 2.0 | 1.0 | 5.0 | 16.0 | 20.0 | 4.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 3.17 |
| 17 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 3.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .71 |
| 18 | .0 | .0 | 1.0 | .0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .38 |
| 19 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .21 |
| 20 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 1.63 |
| 21 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 8.0 | 35.0 | P126. | 68.0 | 63.0 | 48.0 | 4.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 14.83 |
| 22 | .0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .88 |
| 23 | 2.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 4.0 | | | P99.0 | 9.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | 1.0 | 22 | 5.64 |
| 24 | 1.0 | 2.0 | 2.0 | 3.0 | 5.0 | 3.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 7.0 | 2.0 | 3.0 | 3.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | 24 | 1.38 |
| 25 | -1.0 | -1.0 | -1.0 | .0 | -1.0 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 0.00 |
| 26 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | .38 |
| 27 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 24 | .33 |
| 28 | 4.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 4.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | .0 | .0 | .0 | .0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | 1.33 |
| 29 | 1.0 | 1.0 | 1.0 | 2.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 1.0 | 24 | .75 |
| 30 | .0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | | 1.0 | 2.0 | 3.0 | 9.0 | 7.0 | 16.0 | 5.0 | 4.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 23 | 2.96 |
| 31 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 50.0 | 72.0 | 45.0 | 16.0 | 3.0 | 8.0 | 10.0 | 6.0 | 4.0 | 2.0 | 1.0 | 1.0 | 24 | 9.50 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 28 | 28 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | | |
| MAX: | 4.0 | 21.0 | 9.0 | 3.0 | 14.0 | 10.0 | 8.0 | 3.0 | 4.0 | 21.0 | 8.0 | 99.0 | 126.0 | 90.0 | 63.0 | 48.0 | 5.0 | 9.0 | 10.0 | 6.0 | 4.0 | 2.0 | 2.0 | 3.0 | | |
| AVG: | .74 | 1.26 | .77 | .71 | 1.10 | 1.00 | .97 | .81 | .94 | 2.11 | 1.61 | 5.77 | 8.10 | 9.84 | 7.10 | 3.84 | 1.10 | 1.30 | .93 | .70 | .61 | .61 | .42 | .39 | | |

3 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

MONTHLY OBSERVATIONS: 734 MONTHLY MEAN: 2.21 MONTHLY MAX: 126.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
RAW DATA REPORT

May. 1, 2013

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: APRIL 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 35.0 | 56.0 | P89.0 | 9.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 24 | 8.13 |
| 2 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 3.0 | 24 | .42 |
| 3 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 7.0 | 11.0 | 24 | 1.29 |
| 4 | 32.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.67 |
| 5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 11.0 | 16.0 | 40.0 | 61.0 | 72.0 | 25.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 9.46 |
| 6 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 8.0 | 15.0 | 1.0 | | 2.0 | 23.0 | P101. | 49.0 | 72.0 | 49.0 | 10.0 | 2.0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 23 | 14.83 |
| 7 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .54 |
| 8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | -1.0 | .0 | .0 | .0 | -1.0 | .0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 24 | -.21 |
| 9 | -1.0 | -1.0 | .0 | .0 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .08 |
| 10 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | P95.0 | 4.0 | 2.0 | 24 | 4.38 |
| 11 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .25 |
| 12 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 | 4.0 | 15.0 | 9.0 | 5.0 | 2.0 | 3.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.75 |
| 13 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 2.0 | 5.0 | | 7.0 | 55.0 | 33.0 | 13.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 23 | 5.35 |
| 14 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 24 | .38 |
| 15 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | .58 |
| 16 | .0 | .0 | .0 | 11.0 | 4.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 24.0 | 4.0 | 1.0 | 24 | 2.58 |
| 17 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 3.0 | 7.0 | 35.0 | 62.0 | 21.0 | 27.0 | 11.0 | 2.0 | 7.0 | 6.0 | .0 | .0 | .0 | .0 | 24 | 7.67 |
| 18 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .13 |
| 19 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 23 | .09 |
| 20 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | 24 | .17 |
| 21 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 0.00 |
| 22 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 10.0 | 3.0 | 24 | .67 |
| 23 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 9.0 | 63.0 | P125. | 16.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 9.00 |
| 24 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 11.0 | 5.0 | 3.0 | 12.0 | 3.0 | 5.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.79 |
| 25 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 0.00 |
| 26 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 17.0 | 6.0 | 12.0 | 34.0 | 62.0 | 18.0 | 11.0 | 24.0 | 1.0 | 1.0 | .0 | 3.0 | 24 | 7.92 |
| 27 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | | | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | .0 | 39.0 | 6.0 | 22 | 2.32 |
| 28 | 5.0 | 1.0 | 1.0 | 7.0 | 4.0 | P79.0 | 34.0 | 9.0 | 65.0 | P113. | 16.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 14.08 |
| 29 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 24 | .04 |
| 30 | .0 | 1.0 | 2.0 | 3.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.13 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 26 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 32.0 | 3.0 | 2.0 | 11.0 | 4.0 | 79.0 | 34.0 | 15.0 | 65.0 | 113.0 | 125.0 | 89.0 | 101.0 | 72.0 | 72.0 | 49.0 | 62.0 | 18.0 | 11.0 | 24.0 | 3.0 | 95.0 | 39.0 | 11.0 | | |
| AVG: | 1.53 | .30 | .37 | .83 | .43 | 2.93 | 1.77 | 1.20 | 3.07 | 9.31 | 8.21 | 8.23 | 9.77 | 7.40 | 4.93 | 4.03 | 3.03 | .80 | .77 | 1.17 | .30 | 4.17 | 2.27 | 1.03 | | |

MONTHLY OBSERVATIONS: 715 MONTHLY MEAN: 3.20 MONTHLY MAX: 125.0

6 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
RAW DATA REPORT

May. 1, 2013

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: MAY 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| HOUR<br>DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 9.0 | 34.0 | 59.0 | 59.0 | 3.0 | 1.0 | 5.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | 24 | 7.38 |
| 2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 3.0 | 5.0 | 2.0 | 3.0 | 6.0 | 2.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.00 |
| 3 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 3.0 | 11.0 | .0 | .0 | 3.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .83 |
| 4 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | | | .0 | 6.0 | 6.0 | 7.0 | 17.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 22 | 1.77 |
| 5 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 2.0 | .0 | .0 | 24 | .79 |
| 6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 21.0 | 53.0 | 74.0 | 22.0 | 25.0 | 17.0 | .0 | 7.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 24 | 9.29 |
| 7 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 32.0 | 19.0 | P76.0 | 62.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | -1.0 | -1.0 | 24 | 8.17 |
| 8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .25 |
| 9 | -1.0 | -1.0 | .0 | 2.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.08 |
| 10 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 32.0 | 8.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | .0 | .0 | 1.0 | .0 | 24 | 2.33 |
| 11 | .0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | .0 | .0 | 1.0 | | 1.0 | 25.0 | 25.0 | 30.0 | 9.0 | 46.0 | 6.0 | 3.0 | 3.0 | 2.0 | .0 | .0 | .0 | .0 | 23 | 6.35 |
| 12 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 16.0 | 50.0 | 32.0 | 27.0 | 1.0 | 10.0 | P109. | 2.0 | P151. | 75.0 | 7.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | 20.25 |
| 13 | .0 | .0 | .0 | .0 | 5.0 | 3.0 | 5.0 | 2.0 | 6.0 | 3.0 | 1.0 | 8.0 | 44.0 | 33.0 | 25.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 5.71 |
| 14 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 0.00 |
| 15 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 24 | .17 |
| 16 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 7.0 | 2.0 | 6.0 | 6.0 | 6.0 | 4.0 | 5.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 2.04 |
| 17 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .54 |
| 18 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 23 | .61 |
| 19 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | .0 | .0 | .0 | -1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .21 |
| 20 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 1.0 | 1.0 | 24 | .50 |
| 21 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | .0 | .0 | .0 | -1.0 | 24 | .33 |
| 22 | .0 | .0 | 3.0 | 2.0 | 70.0 | 13.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 13.0 | 24 | 5.08 |
| 23 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 15.0 | P121. | P110. | P99.0 | 73.0 | 7.0 | 50.0 | 22.0 | 14.0 | 10.0 | 3.0 | 5.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 22.38 |
| 24 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 8.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | 24 | .75 |
| 25 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 19.0 | 2.0 | .0 | 1.0 | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 23 | 1.43 |
| 26 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 24 | .04 |
| 27 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .42 |
| 28 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 24 | .42 |
| 29 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .21 |
| 30 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 24 | .04 |
| 31 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 74.0 | 32.0 | 1.0 | 1.0 | 1.0 | 1.0 | 5.0 | .0 | 1.0 | 24 | 5.46 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 27 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 2.0 | 1.0 | 3.0 | 2.0 | 70.0 | 19.0 | 5.0 | 15.0 | 121.0 | 110.0 | 99.0 | 74.0 | 59.0 | 76.0 | 109.0 | 74.0 | 151.0 | 75.0 | 7.0 | 2.0 | 1.0 | 5.0 | 1.0 | 13.0 | | |
| AVG: | .35 | .26 | .35 | .35 | 2.71 | 1.42 | .81 | 1.23 | 5.83 | 8.11 | 7.97 | 10.52 | 7.68 | 8.68 | 9.13 | 5.00 | 6.97 | 2.81 | .71 | .32 | .29 | .55 | .19 | .55 | | |

MONTHLY OBSERVATIONS: 739 MONTHLY MEAN: 3.42 MONTHLY MAX: 151.0

6 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

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(42401) Sulfur dioxide

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CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
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LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: JUNE 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 2 | | | | | | | | | | | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 3.0 | 14 | 2.71 |
| 3 | .0 | .0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | .0 | -1.0 | -1.0 | 24 | .38 |
| 4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 29.0 | 55.0 | 32.0 | 38.0 | P83.0 | P88.0 | 21.0 | 21.0 | 3.0 | 2.0 | 4.0 | 4.0 | 4.0 | 2.0 | 2.0 | 2.0 | 24 | 16.58 |
| 5 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 4.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 24 | .46 |
| 6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | .54 |
| 7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | P126. | 41.0 | 4.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 24 | 7.71 |
| 8 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 2.0 | | | 4.0 | 23.0 | 6.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 22 | 2.32 |
| 9 | 1.0 | 1.0 | .0 | .0 | .0 | 3.0 | 7.0 | 2.0 | 1.0 | 2.0 | .0 | .0 | 4.0 | 1.0 | 9.0 | 1.0 | 2.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 24 | 1.50 |
| 10 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 24.0 | 16.0 | 8.0 | 19.0 | 1.0 | 22.0 | 13.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | 4.63 |
| 11 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .25 |
| 12 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | | 23 | .65 |
| 13 | | | | | | | | 22.0 | 2.0 | 1.0 | | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 16 | 2.38 |
| 14 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 24 | 1.13 |
| 15 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 22.0 | 29.0 | 48.0 | 4.0 | 1.0 | 1.0 | .0 | 1.0 | 4.0 | 4.0 | 1.0 | 1.0 | 24 | 5.21 |
| 16 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 3.0 | 4.0 | 6.0 | 50.0 | 32.0 | 47.0 | 19.0 | 19.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 8.21 |
| 17 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 2.0 | 3.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.13 |
| 18 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 30.0 | 41.0 | 6.0 | 3.0 | 36.0 | 14.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 5.46 |
| 19 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 0.00 |
| 20 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .63 |
| 21 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | .63 |
| 22 | .0 | .0 | -1.0 | .0 | .0 | -1.0 | .0 | 3.0 | | | 2.0 | 4.0 | 7.0 | 5.0 | 6.0 | 2.0 | 7.0 | 13.0 | 13.0 | 2.0 | 1.0 | 2.0 | 17.0 | P164. | 22 | 11.18 |
| 23 | 32.0 | 11.0 | P84.0 | P127. | P262. | P140. | 44.0 | P94.0 | 51.0 | 29.0 | | | P115. | P88.0 | P107. | 3.0 | 3.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 22 | 54.18 |
| 24 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | 1.21 |
| 25 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 5.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 24 | .79 |
| 26 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 8.0 | 1.0 | 24 | .67 |
| 27 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 3.0 | 1.0 | 3.0 | 6.0 | 2.0 | 38.0 | 21.0 | P144. | 15.0 | 1.0 | 5.0 | 46.0 | 7.0 | .0 | 5.0 | .0 | .0 | 24 | 12.42 |
| 28 | .0 | .0 | .0 | .0 | .0 | 2.0 | 5.0 | 1.0 | 6.0 | 19.0 | 13.0 | 6.0 | 7.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 2.58 |
| 29 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | | | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 22 | 1.32 |
| 30 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 1.17 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 28 | 26 | 25 | 26 | 28 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 28 | | |
| MAX: | 32.0 | 11.0 | 84.0 | 127.0 | 262.0 | 140.0 | 44.0 | 94.0 | 51.0 | 55.0 | 126.0 | 50.0 | 115.0 | 88.0 | 144.0 | 22.0 | 13.0 | 13.0 | 46.0 | 7.0 | 4.0 | 5.0 | 17.0 | 164.0 | | |
| AVG: | 1.74 | .89 | 3.63 | 5.11 | 10.04 | 5.63 | 2.52 | 5.29 | 4.42 | 5.28 | 10.00 | 8.64 | 12.10 | 11.03 | 14.07 | 3.97 | 1.72 | 1.59 | 2.79 | 1.00 | .79 | .93 | 1.45 | 6.43 | | |

13 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

MONTHLY OBSERVATIONS: 669 MONTHLY MEAN: 5.03 MONTHLY MAX: 262.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: JULY 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.29 |
| 2 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 8.0 | 29.0 | 4.0 | 2.0 | 5.0 | 5.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 2.83 |
| 3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .25 |
| 4 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | .83 |
| 5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 6.0 | 25.0 | 17.0 | 68.0 | 27.0 | 49.0 | 6.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 9.33 |
| 6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 2.0 | 8.0 | 27.0 | 5.0 | .0 | .0 | 1.0 | 2.0 | .0 | 5.0 | 3.0 | 2.0 | 1.0 | 1.0 | 24 | 2.42 |
| 7 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 24 | 1.38 |
| 8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 4.0 | 8.0 | 7.0 | 5.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 2.21 |
| 9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 2.0 | 4.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 4.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.54 |
| 10 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | .92 |
| 11 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 17.0 | 6.0 | 2.0 | 14.0 | 15.0 | 4.0 | 2.0 | 15.0 | 49.0 | 7.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 5.79 |
| 12 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 6.0 | 2.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | .92 |
| 13 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 22 | .77 |
| 14 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.42 |
| 15 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 24 | .38 |
| 16 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 3.0 | 16.0 | 9.0 | 9.0 | 6.0 | 4.0 | 4.0 | 4.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 2.83 |
| 17 | .0 | .0 | .0 | 1.0 | .0 | .0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .42 |
| 18 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 38.0 | 13.0 | 2.0 | 1.0 | 1.0 | 1.0 | 5.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 3.25 |
| 19 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 6.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 6.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 4.0 | 24 | 1.92 |
| 20 | 2.0 | 1.0 | 1.0 | 3.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | | | 2.0 | 1.0 | 1.0 | 18.0 | 5.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 22 | 2.23 |
| 21 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 6.0 | 33.0 | 25.0 | 9.0 | 11.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 3.88 |
| 22 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .79 |
| 23 | .0 | 1.0 | 1.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.04 |
| 24 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .38 |
| 25 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 6.0 | 9.0 | 6.0 | 2.0 | 5.0 | 4.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.50 |
| 26 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 29.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.71 |
| 27 | .0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 23 | .52 |
| 28 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .50 |
| 29 | .0 | .0 | .0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .13 |
| 30 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .04 |
| 31 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 6.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .42 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 28 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 17.0 | 25.0 | 17.0 | 68.0 | 29.0 | 49.0 | 25.0 | 18.0 | 49.0 | 29.0 | 6.0 | 2.0 | 5.0 | 3.0 | 2.0 | 2.0 | 4.0 | | |
| AVG: | .45 | .55 | .61 | .94 | .61 | .65 | .81 | 1.77 | 2.06 | 2.32 | 5.79 | 4.39 | 5.13 | 2.42 | 2.55 | 3.10 | 2.58 | 1.39 | .74 | .87 | .65 | .55 | .55 | .58 | | |

MONTHLY OBSERVATIONS: 739 MONTHLY MEAN: 1.74 MONTHLY MAX: 68.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
RAW DATA REPORT

May. 1, 2013

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: AUGUST 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| HOUR<br>DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 1.0 | 2.0 | 23.0 | 5.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.50 |
| 2 | .0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .38 |
| 3 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 24 | .17 |
| 4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.17 |
| 5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .13 |
| 6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 4.0 | 3.0 | 1.0 | 1.0 | 11.0 | 10.0 | 34.0 | 10.0 | 2.0 | 6.0 | 5.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 4.08 |
| 7 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 4.0 | 26.0 | 2.0 | 11.0 | 68.0 | P83.0 | 5.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 8.96 |
| 8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | .0 | 2.0 | 2.0 | 12.0 | P95.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 5.42 |
| 9 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | 30.0 | 10.0 | 28.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 3.50 |
| 10 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 4.0 | | 8.0 | 1.0 | 1.0 | 1.0 | 1.0 | 4.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 23 | 1.52 |
| 11 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 8.0 | 11.0 | 7.0 | 45.0 | 18.0 | 38.0 | 50.0 | 21.0 | 6.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 9.08 |
| 12 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 5.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.50 |
| 13 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 4.0 | 33.0 | 25.0 | 39.0 | P109. | 39.0 | 9.0 | 11.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 11.67 |
| 14 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 2.0 | 6.0 | 5.0 | 4.0 | 7.0 | 9.0 | 10.0 | 8.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 2.88 |
| 15 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 23.0 | 10.0 | 20.0 | 9.0 | 24.0 | 18.0 | 9.0 | 9.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 5.75 |
| 16 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | .50 |
| 17 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | 2.0 | 2.0 | 4.0 | 3.0 | 4.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | -1.0 | 23 | .91 |
| 18 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 6.0 | 3.0 | 16.0 | 4.0 | 3.0 | 15.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 2.38 |
| 19 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.04 |
| 20 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 6.0 | 4.0 | 6.0 | 11.0 | 17.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 2.38 |
| 21 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 8.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.21 |
| 22 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 13.0 | 6.0 | 1.0 | 5.0 | 10.0 | 3.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.58 |
| 23 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | 24 | .13 |
| 24 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | | | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 22 | .50 |
| 25 | 1.0 | 5.0 | .0 | .0 | .0 | .0 | .0 | 3.0 | 2.0 | 3.0 | 4.0 | 1.0 | 3.0 | .0 | 3.0 | .0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.13 |
| 26 | .0 | .0 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 9.0 | 18.0 | 14.0 | 19.0 | 57.0 | 39.0 | 4.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 6.75 |
| 27 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | .0 | 3.0 | 4.0 | 5.0 | 2.0 | 3.0 | 5.0 | 7.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.00 |
| 28 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 4.0 | 3.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .38 |
| 29 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | 24 | .13 |
| 30 | -1.0 | -1.0 | -1.0 | 1.0 | 4.0 | 3.0 | 3.0 | 3.0 | 5.0 | 3.0 | 1.0 | 3.0 | 3.0 | 3.0 | 2.0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 24 | 1.50 |
| 31 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 22 | .86 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 27 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 2.0 | 5.0 | 1.0 | 2.0 | 4.0 | 3.0 | 3.0 | 3.0 | 30.0 | 33.0 | 28.0 | 39.0 | 109.0 | 57.0 | 68.0 | 83.0 | 21.0 | 95.0 | 6.0 | 5.0 | 1.0 | 1.0 | 1.0 | 1.0 | | |
| AVG: | .35 | .52 | .29 | .42 | .42 | .42 | .35 | .58 | 2.31 | 4.56 | 4.65 | 6.26 | 7.87 | 7.26 | 7.65 | 7.84 | 3.29 | 4.06 | .71 | .74 | .58 | .55 | .45 | .42 | | |

MONTHLY OBSERVATIONS: 738 MONTHLY MEAN: 2.60 MONTHLY MAX: 109.0

3 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: SEPTEMBER 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| HOUR<br>DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 56.0 | P89.0 | P172. | 10.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 1.0 | 24 | 14.00 |
| 2 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 9.0 | 35.0 | 61.0 | 15.0 | 56.0 | 6.0 | 14.0 | 10.0 | .0 | .0 | -1.0 | .0 | .0 | .0 | .0 | 24 | 8.63 |
| 3 | .0 | .0 | .0 | -1.0 | -1.0 | -1.0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | .0 | P85.0 | 56.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 6.08 |
| 4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .13 |
| 5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | -1.0 | -1.0 | -1.0 | -1.0 | 24 | .13 |
| 6 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .75 |
| 7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 2.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | 24 | .46 |
| 8 | -1.0 | -1.0 | -1.0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 1.0 | 2.0 | 1.0 | .0 | 1.0 | .0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 24 | .29 |
| 9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .25 |
| 10 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | -1.0 | .0 | .0 | .0 | 24 | -.13 |
| 11 | .0 | -1.0 | -1.0 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 3.0 | .0 | .0 | .0 | -1.0 | -1.0 | -1.0 | .0 | 24 | .04 |
| 12 | .0 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 9.0 | 62.0 | 75.0 | 57.0 | 37.0 | P94.0 | 10.0 | 18.0 | 4.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 15.25 |
| 13 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | -1.0 | .0 | 3.0 | 3.0 | 3.0 | .0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | 24 | .33 |
| 14 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | | 2.0 | 3.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 23 | .43 |
| 15 | -1.0 | -1.0 | .0 | -1.0 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | -.08 |
| 16 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .17 |
| 17 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 24 | .88 |
| 18 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .04 |
| 19 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .67 |
| 20 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 6.0 | 4.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | .71 |
| 21 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | | 43.0 | P128. | 36.0 | P86.0 | P139. | P127. | 54.0 | 48.0 | 13.0 | 2.0 | .0 | .0 | .0 | .0 | 23 | 29.48 |
| 22 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 6.0 | 12.0 | 11.0 | 14.0 | 20.0 | 3.0 | 4.0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | 24 | 2.96 |
| 23 | -1.0 | -1.0 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 | 5.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .29 |
| 24 | .0 | .0 | .0 | -1.0 | -1.0 | -1.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | -1.0 | .0 | 24 | -.08 |
| 25 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 6.0 | 27.0 | P104. | 21.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 6.67 |
| 26 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 24.0 | 26.0 | 52.0 | 4.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | -1.0 | 24.0 | 62.0 | 24 | 8.04 |
| 27 | 5.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .33 |
| 28 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | 2.0 | 1.0 | 2.0 | .0 | 1.0 | 2.0 | .0 | 1.0 | .0 | .0 | -1.0 | -1.0 | -1.0 | -1.0 | 23 | .22 |
| 29 | -1.0 | -1.0 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.0 | .0 | .0 | .0 | 24.0 | 38.0 | 45.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 4.46 |
| 30 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 6.0 | 6.0 | 13.0 | 5.0 | 1.0 | 3.0 | 7.0 | 8.0 | 4.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 2.29 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 27 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 5.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 9.0 | 62.0 | 75.0 | 128.0 | 172.0 | 104.0 | 139.0 | 127.0 | 54.0 | 48.0 | 13.0 | 2.0 | 1.0 | 2.0 | 24.0 | 62.0 | | |
| AVG: | .20 | -.07 | -.07 | -.07 | -.07 | .03 | .20 | .27 | 1.07 | 4.19 | 9.20 | 14.23 | 13.47 | 14.63 | 8.27 | 7.43 | 4.40 | 1.83 | .50 | .07 | -.10 | -.03 | .77 | 2.00 | | |

MONTHLY OBSERVATIONS: 717 MONTHLY MEAN: 3.43 MONTHLY MAX: 172.0

9 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: OCTOBER 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | -1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 3.0 | 2.0 | 11.0 | 10.0 | 5.0 | 4.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.63 |
| 2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 11.0 | 17.0 | 8.0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.67 |
| 3 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | .0 | 24 | .54 |
| 4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.0 | 3.0 | 2.0 | 1.0 | 48.0 | 23.0 | 25.0 | 14.0 | 9.0 | 5.0 | 2.0 | 1.0 | .0 | .0 | .0 | 24 | 5.71 |
| 5 | -1.0 | -1.0 | -1.0 | .0 | .0 | .0 | .0 | .0 | | | 2.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 22 | .73 |
| 6 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | 2.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.33 |
| 7 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 24 | .96 |
| 8 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | .83 |
| 9 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 24 | 1.33 |
| 10 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 3.0 | 4.0 | 2.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 1.13 |
| 11 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 13.0 | 1.0 | .0 | 2.0 | 5.0 | 2.0 | 1.0 | .0 | .0 | 1.0 | 2.0 | .0 | .0 | 24 | 1.21 |
| 12 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .46 |
| 13 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .08 |
| 14 | .0 | .0 | .0 | -1.0 | -1.0 | 4.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 6.0 | 4.0 | 24 | .63 |
| 15 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | .0 | .0 | 2.0 | 17.0 | 52.0 | P96.0 | P137. | 47.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | 14.96 |
| 16 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 13.0 | 4.0 | 12.0 | 2.0 | 2.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 3.0 | 3.0 | 4.0 | 1.0 | .0 | 24 | 2.00 |
| 17 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 13.0 | 9.0 | 3.0 | 9.0 | 1.0 | 2.0 | 1.0 | 9.0 | 10.0 | 7.0 | 6.0 | 1.0 | 3.0 | 3.0 | .0 | .0 | 24 | 3.21 |
| 18 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | 3.0 | 2.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 3.0 | 3.0 | 2.0 | .0 | .0 | 23 | .61 |
| 19 | .0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 4.0 | 8.0 | 7.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.21 |
| 20 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 16.0 | 3.0 | .0 | .0 | .0 | 24 | .75 |
| 21 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 7.0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | 24 | .54 |
| 22 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 3.0 | 26.0 | 53.0 | 50.0 | 28.0 | 15.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 7.38 |
| 23 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 1.0 | 2.0 | 12.0 | 49.0 | 15.0 | 6.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 3.71 |
| 24 | .0 | .0 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 44.0 | 12.0 | 20.0 | 25.0 | 18.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | 24 | 4.96 |
| 25 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | -1.0 | .0 | .0 | .0 | .0 | .0 | -1.0 | 24 | .04 |
| 26 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 23 | .57 |
| 27 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | .0 | .0 | .0 | .0 | 2.0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 24 | .38 |
| 28 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 3.0 | 40.0 | 22.0 | 26.0 | 18.0 | 1.0 | 1.0 | 1.0 | 7.0 | 16.0 | 1.0 | .0 | .0 | 24 | 6.00 |
| 29 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .08 |
| 30 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | .0 | .0 | .0 | 24 | .29 |
| 31 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | -1.0 | -1.0 | .0 | 14.0 | 42.0 | 10.0 | 4.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 2.96 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 4.0 | 1.0 | 1.0 | 13.0 | 9.0 | 12.0 | 44.0 | 53.0 | 50.0 | 52.0 | 96.0 | 137.0 | 47.0 | 6.0 | 16.0 | 16.0 | 4.0 | 6.0 | 4.0 | | |
| AVG: | .23 | .16 | .16 | .10 | .10 | .26 | .23 | .29 | 1.33 | 1.62 | 1.77 | 4.55 | 5.52 | 8.23 | 7.55 | 7.48 | 5.90 | 2.42 | .81 | 1.35 | 1.32 | .61 | .42 | .26 | | |

MONTHLY OBSERVATIONS: 740 MONTHLY MEAN: 2.20 MONTHLY MAX: 137.0

2 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: NOVEMBER 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | -1.0 | .0 | .0 | 24 | .33 |
| 2 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 2.0 | | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | .0 | .0 | .0 | .0 | .0 | 23 | .74 |
| 3 | 1.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .79 |
| 4 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | .0 | .0 | -1.0 | -1.0 | -1.0 | 24 | -.25 |
| 5 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | .54 |
| 6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .17 |
| 7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .63 |
| 8 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .75 |
| 9 | .0 | .0 | .0 | -1.0 | -1.0 | -1.0 | .0 | .0 | 41.0 | 13.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 30.0 | 11.0 | 40.0 | 8.0 | 3.0 | 24 | 6.46 |
| 10 | 2.0 | 5.0 | 3.0 | 3.0 | 8.0 | 13.0 | 4.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | -1.0 | -1.0 | -1.0 | .0 | .0 | .0 | 3.0 | 24 | 1.96 |
| 11 | 4.0 | 3.0 | .0 | .0 | .0 | .0 | .0 | -1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | .0 | -1.0 | 24 | .42 |
| 12 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 3.0 | 1.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 24 | 1.46 |
| 13 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 10.0 | 8.0 | 6.0 | 18.0 | 27.0 | 5.0 | 20.0 | 3.0 | 4.0 | 15.0 | 1.0 | .0 | .0 | 24 | 4.88 |
| 14 | 1.0 | 9.0 | 4.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 5.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 3.0 | 1.0 | 24 | 1.75 |
| 15 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | | .0 | 2.0 | 3.0 | 14.0 | 3.0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 | 2.0 | 1.0 | 23 | 1.30 |
| 16 | 4.0 | 5.0 | 16.0 | 4.0 | 6.0 | 6.0 | 4.0 | 13.0 | 19.0 | 10.0 | 8.0 | 7.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 24 | 4.33 |
| 17 | .0 | .0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | .0 | .0 | 1.0 | .0 | 3.0 | 6.0 | 35.0 | 63.0 | 44.0 | 37.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 7.71 |
| 18 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .67 |
| 19 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .75 |
| 20 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | .0 | .0 | .0 | .0 | 24 | -.04 |
| 21 | .0 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | -.04 |
| 22 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | -.21 |
| 23 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 16.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.58 |
| 24 | .0 | 1.0 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 24 | .63 |
| 25 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .75 |
| 26 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .38 |
| 27 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .79 |
| 28 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 5.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .83 |
| 29 | -1.0 | -1.0 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 2.0 | 3.0 | 6.0 | 8.0 | 6.0 | 7.0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | -1.0 | 22 | 1.45 |
| 30 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 7.0 | 13.0 | 22.0 | 4.0 | 6.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 24 | 2.96 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 28 | 28 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 4.0 | 9.0 | 16.0 | 4.0 | 8.0 | 13.0 | 4.0 | 13.0 | 41.0 | 13.0 | 8.0 | 13.0 | 22.0 | 35.0 | 63.0 | 44.0 | 37.0 | 20.0 | 3.0 | 30.0 | 15.0 | 40.0 | 8.0 | 3.0 | | |
| AVG: | .50 | 1.00 | .90 | .47 | .70 | .83 | .67 | .80 | 2.67 | 1.36 | 1.29 | 2.13 | 2.20 | 3.03 | 4.33 | 3.27 | 2.20 | 1.17 | .60 | 1.40 | 1.20 | 1.67 | .77 | .43 | | |

MONTHLY OBSERVATIONS: 716 MONTHLY MEAN: 1.48 MONTHLY MAX: 63.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: DECEMBER 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | 24 | .92 |
| 2 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | .0 | 24 | 0.00 |
| 3 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | -1.0 | -1.0 | .0 | .0 | 24 | .33 |
| 4 | .0 | .0 | .0 | -1.0 | -1.0 | 2.0 | 42.0 | 34.0 | 5.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 3.46 |
| 5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .25 |
| 6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | -1.0 | .0 | -1.0 | .0 | -1.0 | 24 | -.21 |
| 7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 32.0 | | 9.0 | 36.0 | .0 | 18.0 | 27.0 | P92.0 | 17.0 | 22.0 | 23.0 | 3.0 | 1.0 | 1.0 | 1.0 | 23 | 12.26 |
| 8 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 1.0 | .0 | .0 | 5.0 | .0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 24 | .29 |
| 9 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | .0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | .0 | -1.0 | 24 | -.50 |
| 10 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 21.0 | 24.0 | 5.0 | 13.0 | 3.0 | 1.0 | 1.0 | .0 | .0 | .0 | -1.0 | .0 | -1.0 | 24 | 2.75 |
| 11 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | -1.0 | .0 | .0 | -1.0 | 24 | .08 |
| 12 | -1.0 | -1.0 | .0 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 4.0 | 5.0 | 3.0 | 1.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.00 |
| 13 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .75 |
| 14 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 23 | 0.00 |
| 15 | -1.0 | -1.0 | -1.0 | .0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 0.00 |
| 16 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 60.0 | 22.0 | 22.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 4.46 |
| 17 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 7.0 | 20.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.38 |
| 18 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 2.0 | 24 | .46 |
| 19 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 42.0 | 6.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | 24 | 2.17 |
| 20 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 24 | .04 |
| 21 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 10.0 | | 66.0 | 59.0 | 11.0 | 4.0 | 8.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 23 | 7.26 |
| 22 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 24 | .58 |
| 23 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 15.0 | 28.0 | 7.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | -1.0 | .0 | .0 | 24 | 2.17 |
| 24 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 24 | .71 |
| 25 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 7.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | -1.0 | .0 | 24 | .46 |
| 26 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | .0 | -1.0 | 24 | -.08 |
| 27 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .63 |
| 28 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | -1.0 | .0 | -1.0 | 22 | -.14 |
| 29 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | P80.0 | P125. | 21.0 | 3.0 | 3.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 9.79 |
| 30 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 38.0 | P119. | 53.0 | P132. | 50.0 | 5.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 16.71 |
| 31 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .17 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 28 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 2.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 42.0 | 34.0 | 5.0 | 32.0 | 10.0 | 80.0 | 125.0 | 59.0 | 132.0 | 50.0 | 92.0 | 17.0 | 22.0 | 23.0 | 3.0 | 1.0 | 1.0 | 2.0 | | |
| AVG: | .06 | .13 | .10 | .06 | .10 | .19 | 1.45 | 1.26 | .29 | 1.73 | .93 | 8.93 | 14.45 | 6.81 | 6.39 | 3.29 | 3.74 | .87 | .94 | .84 | .06 | -.13 | .10 | -.03 | | |

MONTHLY OBSERVATIONS: 739 MONTHLY MEAN: 2.19 MONTHLY MAX: 132.0

5 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: JANUARY 2012

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| HOUR<br>DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | .0 | P112. | P306. | P186. | 4.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 25.54 |
| 2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | .0 | .0 | .0 | -1.0 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | -.13 |
| 3 | .0 | .0 | .0 | .0 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | -1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | 0.00 |
| 4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 1.0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | 24 | .54 |
| 5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 3.0 | 3.0 | 2.0 | 3.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 24 | .58 |
| 6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 6.0 | 38.0 | 62.0 | 6.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 5.25 |
| 7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .17 |
| 8 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 2.0 | 5.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.08 |
| 9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | -1.0 | 1.0 | 15.0 | 60.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | 3.50 |
| 10 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | 65.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | 2.0 | 2.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 22 | 3.55 |
| 11 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 5.0 | 4.0 | 5.0 | 4.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 1.67 |
| 12 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .50 |
| 13 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 24 | .08 |
| 14 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | .0 | .0 | .0 | .0 | 3.0 | 23.0 | 8.0 | 3.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | .0 | 24 | 1.67 |
| 15 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .08 |
| 16 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .75 |
| 17 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .75 |
| 18 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | -1.0 | .0 | .0 | -1.0 | 24 | .21 |
| 19 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 4.0 | .0 | 4.0 | 10.0 | 4.0 | 4.0 | .0 | .0 | .0 | .0 | .0 | -1.0 | .0 | 24 | 1.33 |
| 20 | .0 | .0 | .0 | -1.0 | -1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .04 |
| 21 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .71 |
| 22 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 0.00 |
| 23 | -1.0 | -1.0 | -1.0 | .0 | .0 | 3.0 | 43.0 | P155. | P245. | P235. | P76.0 | 68.0 | 5.0 | 30.0 | 23.0 | 58.0 | 73.0 | 75.0 | 16.0 | 14.0 | 5.0 | 2.0 | 2.0 | 2.0 | 24 | 46.96 |
| 24 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | 2.0 | 4.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .75 |
| 25 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | | | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | 22 | .68 |
| 26 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 24 | .50 |
| 27 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 6.0 | 11.0 | 4.0 | 2.0 | 1.0 | 5.0 | 5.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.67 |
| 28 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 4.0 | 34.0 | 48.0 | 20.0 | 15.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 5.54 |
| 29 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 67.0 | 14.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 4.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 4.46 |
| 30 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .79 |
| 31 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 2.0 | | | | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 6.0 | 3.0 | 2.0 | 1.0 | 21 | 1.00 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 28 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 1.0 | 1.0 | 112.0 | 306.0 | 186.0 | 4.0 | 67.0 | 155.0 | 245.0 | 235.0 | 76.0 | 68.0 | 34.0 | 48.0 | 62.0 | 58.0 | 73.0 | 75.0 | 16.0 | 14.0 | 6.0 | 3.0 | 2.0 | 2.0 | | |
| AVG: | .32 | .29 | 3.94 | 10.19 | 6.23 | .48 | 3.81 | 5.74 | 8.42 | 8.86 | 3.50 | 5.53 | 2.47 | 5.97 | 6.61 | 3.58 | 3.32 | 3.10 | 1.10 | .74 | .65 | .55 | .42 | .32 | | |

7 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

MONTHLY OBSERVATIONS: 737 MONTHLY MEAN: 3.57 MONTHLY MAX: 306.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: FEBRUARY 2012

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | .0 | -1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 53.0 | 11.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 24 | 3.25 |
| 2 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 3.0 | 8.0 | 4.0 | 6.0 | 4.0 | 3.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 24 | 1.92 |
| 3 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | -1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .58 |
| 4 | 1.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .88 |
| 5 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 2.0 | 6.0 | 5.0 | 17.0 | 10.0 | 4.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 24 | 2.42 |
| 6 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 4.0 | 2.0 | 3.0 | 2.0 | 2.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.54 |
| 7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 24 | .63 |
| 8 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 6.0 | 17.0 | 3.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | -1.0 | 24 | 1.83 |
| 9 | -1.0 | 2.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 2.0 | 35.0 | 40.0 | 8.0 | 13.0 | 15.0 | 19.0 | 8.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 6.46 |
| 10 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 5.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | 1.29 |
| 11 | 5.0 | 4.0 | 7.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 24 | 2.08 |
| 12 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 5.0 | 3.0 | 2.0 | 2.0 | 8.0 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 2.25 |
| 13 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 24 | 1.92 |
| 14 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 1.0 | 1.0 | .0 | 3.0 | 9.0 | 32.0 | 5.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 24 | 3.04 |
| 15 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 23 | 1.26 |
| 16 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 1.58 |
| 17 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 17.0 | 7.0 | 1.0 | P76.0 | 3.0 | 3.0 | 6.0 | 1.0 | 1.0 | 1.0 | 24 | 5.38 |
| 18 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.21 |
| 19 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | 24 | .33 |
| 20 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 1.0 | 1.0 | 2.0 | 1.0 | .0 | 2.0 | 3.0 | 2.0 | 3.0 | 24 | 1.25 |
| 21 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | 52.0 | 63.0 | P154. | P244. | P260. | P208. | 3.0 | .0 | 1.0 | 1.0 | 1.0 | 20 | 49.85 |
| 22 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 14.0 | 39.0 | 62.0 | 33.0 | 8.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | 24 | 7.25 |
| 23 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | 1.08 |
| 24 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .04 |
| 25 | 3.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 3.0 | 10.0 | 24.0 | 3.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | 2.67 |
| 26 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 3.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 24 | 1.54 |
| 27 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .88 |
| 28 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 5.0 | 3.0 | 3.0 | 6.0 | 5.0 | 3.0 | 4.0 | 3.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | 1.79 |
| 29 | .0 | .0 | 1.0 | .0 | .0 | .0 | 2.0 | 3.0 | 10.0 | 9.0 | 27.0 | 26.0 | 18.0 | P319. | P224. | P260. | P194. | P203. | 7.0 | 3.0 | 2.0 | 1.0 | .0 | 1.0 | 24 | 54.58 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 28 | 28 | 27 | 28 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | | |
| MAX: | 5.0 | 4.0 | 7.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 10.0 | 9.0 | 35.0 | 40.0 | 53.0 | 319.0 | 224.0 | 260.0 | 244.0 | 260.0 | 208.0 | 8.0 | 6.0 | 3.0 | 2.0 | 3.0 | | |
| AVG: | 1.07 | 1.00 | .90 | .90 | .79 | .90 | 1.00 | 1.14 | 1.45 | 1.57 | 3.75 | 4.33 | 5.07 | 17.41 | 15.34 | 18.17 | 17.76 | 19.79 | 8.66 | 1.45 | 1.21 | 1.21 | .97 | .97 | | |

MONTHLY OBSERVATIONS: 691 MONTHLY MEAN: 5.29 MONTHLY MAX: 319.0

10 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: MARCH 2012

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | | | 22.0 | 35.0 | 58.0 | 55.0 | 14.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | .0 | 22 | 9.36 |
| 2 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 71.0 | 61.0 | 8.0 | 3.0 | 24 | 6.33 |
| 3 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 11.0 | 25.0 | 2.0 | 5.0 | 5.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 3.04 |
| 4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 5.0 | 2.0 | 32.0 | 21.0 | 15.0 | 61.0 | 18.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | 7.13 |
| 5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 24 | 1.08 |
| 6 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.00 |
| 7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 22 | .64 |
| 8 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 5.0 | 5.0 | 11.0 | 6.0 | 3.0 | 1.0 | 24 | 1.79 |
| 9 | 1.0 | 1.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 5.0 | 12.0 | 9.0 | 10.0 | 16.0 | 12.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 3.54 |
| 10 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.54 |
| 11 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 2.0 | 2.0 | 3.0 | 3.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 24 | 1.13 |
| 12 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 12.0 | 47.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 3.13 |
| 13 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 14.0 | 9.0 | 4.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | 1.50 |
| 14 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 23 | .35 |
| 15 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 5.0 | 49.0 | 60.0 | 56.0 | 37.0 | 40.0 | 46.0 | 38.0 | 38.0 | 13.0 | 3.0 | 3.0 | 2.0 | 1.0 | 3.0 | 1.0 | 24 | 16.46 |
| 16 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | -1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 24 | .54 |
| 17 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 24 | 1.58 |
| 18 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | 1.63 |
| 19 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.21 |
| 20 | .0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 3.0 | 24 | 1.71 |
| 21 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 1.13 |
| 22 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | | | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | 22 | 1.27 |
| 23 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 3.0 | .0 | .0 | .0 | 7.0 | 2.0 | .0 | .0 | .0 | .0 | 24 | .63 |
| 24 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 11.0 | 10.0 | 4.0 | 3.0 | 4.0 | 6.0 | 7.0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 24 | 2.79 |
| 25 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 4.0 | 10.0 | 8.0 | 4.0 | 9.0 | 3.0 | 5.0 | 2.0 | 6.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 24 | 2.33 |
| 26 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .92 |
| 27 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 2.25 |
| 28 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 1.79 |
| 29 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 23 | .83 |
| 30 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 15.0 | 4.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 24 | 2.21 |
| 31 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 24 | 1.58 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 26 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 3.0 | 2.0 | 4.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 15.0 | 49.0 | 60.0 | 56.0 | 37.0 | 58.0 | 55.0 | 61.0 | 38.0 | 13.0 | 7.0 | 5.0 | 71.0 | 61.0 | 8.0 | 3.0 | | |
| AVG: | .97 | 1.00 | 1.03 | .87 | 1.10 | 1.10 | 1.10 | 1.10 | 1.93 | 4.04 | 5.52 | 4.71 | 5.48 | 5.84 | 6.84 | 5.23 | 3.39 | 1.42 | 1.39 | 1.19 | 3.61 | 3.16 | 1.23 | .87 | | |

MONTHLY OBSERVATIONS: 736 MONTHLY MEAN: 2.65 MONTHLY MAX: 71.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: APRIL 2012

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| HOUR<br>DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 4.0 | 31.0 | 37.0 | 31.0 | 22.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 6.50 |
| 2 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 24 | 1.58 |
| 3 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 16.0 | 53.0 | P84.0 | 16.0 | 6.0 | 4.0 | 3.0 | 2.0 | 2.0 | 3.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | 8.67 |
| 4 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 24 | 1.17 |
| 5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .54 |
| 6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .88 |
| 7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 4.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 14.0 | 4.0 | 1.0 | .0 | .0 | 24 | 2.33 |
| 8 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 6.0 | 4.0 | 4.0 | 15.0 | 12.0 | P78.0 | 73.0 | P137. | P135. | 21.0 | 6.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 20.88 |
| 9 | 2.0 | 2.0 | 12.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | 2.04 |
| 10 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | .88 |
| 11 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 10.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 2.29 |
| 12 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | | | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 22 | .86 |
| 13 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 5.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.00 |
| 14 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .63 |
| 15 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .42 |
| 16 | .0 | .0 | 1.0 | 1.0 | 8.0 | 10.0 | 9.0 | 9.0 | 38.0 | 73.0 | 15.0 | 3.0 | 2.0 | 2.0 | 2.0 | 4.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 24 | 7.92 |
| 17 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 6.0 | 17.0 | 10.0 | 5.0 | 2.0 | 1.0 | 2.0 | 12.0 | 2.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 2.79 |
| 18 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 7.0 | 4.0 | 3.0 | 3.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 24 | 1.50 |
| 19 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | .0 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 23 | .65 |
| 20 | .0 | 1.0 | 1.0 | 18.0 | 9.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 2.0 | 6.0 | 5.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 2.42 |
| 21 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 3.0 | 3.0 | 7.0 | 2.0 | 1.0 | 5.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.50 |
| 22 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 24 | 1.25 |
| 23 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 24 | 1.71 |
| 24 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 14.0 | 17.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 24 | 1.83 |
| 25 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | 24 | 1.00 |
| 26 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 2.0 | 7.0 | 10.0 | 9.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 24 | 2.08 |
| 27 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.46 |
| 28 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .38 |
| 29 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .79 |
| 30 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | .42 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 30 | 30 | 30 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 2.0 | 2.0 | 12.0 | 18.0 | 9.0 | 10.0 | 9.0 | 9.0 | 38.0 | 73.0 | 53.0 | 84.0 | 37.0 | 31.0 | 78.0 | 73.0 | 137.0 | 135.0 | 21.0 | 14.0 | 4.0 | 2.0 | 2.0 | 2.0 | | |
| AVG: | .67 | .80 | 1.40 | 1.53 | 1.67 | 1.50 | 1.57 | 1.70 | 3.13 | 5.21 | 4.77 | 5.93 | 3.73 | 3.07 | 4.66 | 4.13 | 5.57 | 5.30 | 1.70 | 1.53 | 1.03 | .87 | .73 | .83 | | |

MONTHLY OBSERVATIONS: 717 MONTHLY MEAN: 2.62 MONTHLY MAX: 137.0

4 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: MAY 2012

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.0 | 1.0 | 6.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 4.0 | P150. | P142. | 22.0 | 4.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | 24 | 14.58 |
| 2 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 24 | .79 |
| 3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 23 | 1.35 |
| 4 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | -1.0 | 24 | 1.00 |
| 5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .63 |
| 6 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.04 |
| 7 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 1.0 | 6.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.21 |
| 8 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 23 | 1.87 |
| 9 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 7.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 24 | 2.04 |
| 10 | .0 | 1.0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | 4.0 | 58.0 | 58.0 | 38.0 | 15.0 | 10.0 | 5.0 | 5.0 | 5.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 24 | 8.67 |
| 11 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | 24 | .92 |
| 12 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 1.0 | 3.0 | 5.0 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 24 | 1.42 |
| 13 | .0 | 1.0 | 1.0 | 1.0 | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 24 | 1.33 |
| 14 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 5.0 | 13.0 | 1.0 | 13.0 | 5.0 | 2.0 | 11.0 | 16.0 | 26.0 | 4.0 | 2.0 | 2.0 | 6.0 | 3.0 | 2.0 | 1.0 | 1.0 | 24 | 4.88 |
| 15 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 6.0 | 57.0 | 44.0 | 68.0 | 27.0 | P92.0 | P157. | P83.0 | P103. | 68.0 | 59.0 | 1.0 | 1.0 | 1.0 | 14.0 | 2.0 | 1.0 | 24 | 32.67 |
| 16 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | .54 |
| 17 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 23 | .91 |
| 18 | 1.0 | 1.0 | .0 | -1.0 | -1.0 | 1.0 | 2.0 | 4.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | 24 | .38 |
| 19 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 3.0 | 5.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .83 |
| 20 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 3.0 | 3.0 | 4.0 | 4.0 | 3.0 | 19.0 | 54.0 | 29.0 | 72.0 | 35.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 10.00 |
| 21 | .0 | .0 | .0 | .0 | .0 | .0 | 3.0 | 6.0 | 5.0 | 3.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.33 |
| 22 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 3.0 | 4.0 | 12.0 | 16.0 | 17.0 | 16.0 | 17.0 | 15.0 | 35.0 | 36.0 | 3.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 | 24 | 7.83 |
| 23 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 3.0 | 5.0 | 4.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | 1.83 |
| 24 | .0 | .0 | .0 | .0 | -1.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | 24 | .46 |
| 25 | 4.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 24 | 1.54 |
| 26 | 3.0 | 2.0 | 2.0 | .0 | .0 | .0 | 1.0 | 2.0 | 3.0 | 2.0 | 2.0 | 6.0 | 27.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 2.71 |
| 27 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 5.0 | 12.0 | 45.0 | 27.0 | 6.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 4.88 |
| 28 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 7.0 | 18.0 | 6.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 2.50 |
| 29 | .0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | 2.0 | 47.0 | 16.0 | 12.0 | 42.0 | P85.0 | 72.0 | P102. | 26.0 | 40.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | 18.92 |
| 30 | .0 | .0 | -1.0 | -1.0 | -1.0 | .0 | 1.0 | 1.0 | 1.0 | | .0 | .0 | 2.0 | 1.0 | 1.0 | 1.0 | 9.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 23 | .96 |
| 31 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .13 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 28 | 31 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 4.0 | 3.0 | 6.0 | 3.0 | 4.0 | 3.0 | 3.0 | 6.0 | 57.0 | 58.0 | 68.0 | 42.0 | 92.0 | 157.0 | 102.0 | 150.0 | 142.0 | 59.0 | 4.0 | 6.0 | 3.0 | 14.0 | 2.0 | 2.0 | | |
| AVG: | .71 | .74 | .77 | .55 | .65 | .84 | 1.23 | 1.87 | 5.42 | 6.00 | 8.06 | 7.00 | 9.71 | 11.29 | 9.16 | 13.61 | 11.87 | 5.13 | 1.26 | 1.32 | 1.23 | 1.45 | .84 | .68 | | |

8 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

MONTHLY OBSERVATIONS: 740 MONTHLY MEAN: 4.21 MONTHLY MAX: 157.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
RAW DATA REPORT

May. 1, 2013

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: JUNE 2012

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 5.0 | 4.0 | 9.0 | 24 | .88 |
| 2 | 16.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 20.0 | 10.0 | 3.0 | 11.0 | 2.0 | 9.0 | 2.0 | 25.0 | 12.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | 5.08 |
| 3 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 14.0 | 13.0 | 22.0 | 42.0 | 14.0 | 7.0 | 1.0 | .0 | -1.0 | .0 | 3.0 | .0 | .0 | .0 | .0 | .0 | 24 | 4.92 |
| 4 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 1.21 |
| 5 | .0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .83 |
| 6 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 1.21 |
| 7 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 31.0 | 24.0 | 17.0 | 20.0 | 20.0 | 22.0 | 3.0 | 3.0 | 3.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | 6.33 |
| 8 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 4.0 | 3.0 | 2.0 | 50.0 | 29.0 | 35.0 | 56.0 | 54.0 | 5.0 | 7.0 | 38.0 | 8.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 12.38 |
| 9 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.25 |
| 10 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | .0 | -1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .21 |
| 11 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 3.0 | 10.0 | 2.0 | 22.0 | 11.0 | 3.0 | 47.0 | 69.0 | P101. | 72.0 | 28.0 | 9.0 | 1.0 | 1.0 | 24 | 15.88 |
| 12 | .0 | .0 | .0 | -1.0 | -1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .04 |
| 13 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .04 |
| 14 | 1.0 | .0 | 1.0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 |  | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 23 | 1.39 |
| 15 | .0 | .0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 3.0 | 2.0 | 24 | 1.25 |
| 16 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 14.0 | 38.0 | 3.0 | .0 | 6.0 | 3.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | 3.13 |
| 17 | .0 | .0 | 7.0 | 4.0 | 6.0 | 1.0 | 1.0 | 3.0 | 2.0 | 11.0 | 33.0 | 48.0 | 59.0 | 34.0 | 4.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 9.04 |
| 18 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .96 |
| 19 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .83 |
| 20 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 3.0 |  |  | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 22 | .77 |
| 21 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 |  |  |  | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 21 | 1.00 |
| 22 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 5.0 | 3.0 | 8.0 | 15.0 | 5.0 | 3.0 | 5.0 | 5.0 | 7.0 | 9.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 3.29 |
| 23 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 6.0 | 28.0 | 3.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 2.17 |
| 24 | .0 | .0 | 1.0 | 1.0 | 1.0 | 3.0 | 4.0 | 4.0 | 2.0 | .0 | 1.0 | .0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | 24 | 1.54 |
| 25 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | 1.38 |
| 26 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |  | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 23 | 1.39 |
| 27 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 24 | 1.96 |
| 28 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 6.0 | 13.0 | 37.0 | 36.0 | P116. | P97.0 | 65.0 | 73.0 | 41.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | 24 | 21.00 |
| 29 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 12.0 | 1.0 | 3.0 | 3.0 | 6.0 | 4.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.88 |
| 30 | -1.0 | -1.0 | .0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | -1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .42 |
| 31 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 30 | 29 | 30 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |  |  |
| MAX: | 16.0 | 3.0 | 7.0 | 4.0 | 6.0 | 3.0 | 4.0 | 6.0 | 28.0 | 31.0 | 50.0 | 48.0 | 116.0 | 97.0 | 65.0 | 73.0 | 47.0 | 69.0 | 101.0 | 72.0 | 28.0 | 9.0 | 4.0 | 9.0 |  |  |
| AVG: | 1.03 | .50 | .80 | .67 | .87 | .97 | 1.33 | 1.93 | 3.62 | 4.04 | 7.93 | 8.93 | 9.57 | 9.69 | 6.76 | 4.90 | 4.60 | 4.20 | 4.30 | 3.00 | 1.77 | 1.07 | .73 | .87 |  |  |

MONTHLY OBSERVATIONS: 713 MONTHLY MEAN: 3.48 MONTHLY MAX: 116.0

3 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: JULY 2012

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| HOUR<br>DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | .0 | -1.0 | .0 | .0 | .0 | 1.0 | 12.0 | 3.0 | 2.0 | 3.0 | 9.0 | 3.0 | 4.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | .0 | 24 | 1.54 |
| 2 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 9.0 | 14.0 | 6.0 | 4.0 | 2.0 | 3.0 | 6.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 24 | 3.00 |
| 3 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 4.0 | 3.0 | 27.0 | 50.0 | 32.0 | 4.0 | 22.0 | 21.0 | P99.0 | 6.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 24 | 12.29 |
| 4 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 7.0 | 45.0 | P77.0 | 38.0 | P97.0 | 57.0 | 64.0 | 51.0 | 32.0 | 68.0 | 14.0 | 1.0 | .0 | .0 | 2.0 | 2.0 | 1.0 | 24 | 23.63 |
| 5 | .0 | .0 | .0 | -1.0 | .0 | .0 | .0 | 6.0 | 2.0 | 1.0 | 6.0 | 8.0 | 24.0 | 14.0 | 63.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 24 | 5.21 |
| 6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 7.0 | 18.0 | 1.0 | 1.0 | 49.0 | 26.0 | 8.0 | 19.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 5.42 |
| 7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 6.0 | 20.0 | 63.0 | 14.0 | 12.0 | 1.0 | 10.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 24 | 5.58 |
| 8 | 2.0 | 2.0 | 3.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 24 | .88 |
| 9 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 1.0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 4.0 | 9.0 | 7.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 24 | .92 |
| 10 | 1.0 | .0 | .0 | .0 | .0 | 2.0 | 4.0 | 6.0 | 5.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 3.0 | 5.0 | 3.0 | 4.0 | 2.0 | 24 | 1.75 |
| 11 | 1.0 | 1.0 | 1.0 | 3.0 | .0 | .0 | 1.0 | 4.0 | 3.0 | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 23 | .96 |
| 12 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 6.0 | 13.0 | 4.0 | 14.0 | 36.0 | 23.0 | 31.0 | 6.0 | 3.0 | 3.0 | 2.0 | 1.0 | .0 | .0 | .0 | 24 | 6.38 |
| 13 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 2.0 | 10.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 16.0 | 2.0 | 1.0 | .0 | -1.0 | -1.0 | 24 | 1.58 |
| 14 | -1.0 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | -1.0 | .0 | .0 | .0 | 3.0 | 23.0 | 4.0 | 23.0 | 16.0 | 1.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | 24 | 2.88 |
| 15 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 20.0 | 35.0 | 4.0 | 14.0 | 3.0 | 2.0 | 40.0 | 13.0 | 22.0 | 40.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | 8.17 |
| 16 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 27.0 | 3.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | -1.0 | .0 | .0 | -1.0 | .0 | .0 | 24 | 1.46 |
| 17 | .0 | .0 | -1.0 | .0 | -1.0 | .0 | 1.0 | 22.0 | 35.0 | 25.0 | 26.0 | 49.0 | 72.0 | 27.0 | P112. | 57.0 | 58.0 | 33.0 | 27.0 | 21.0 | 3.0 | 2.0 | 1.0 | 1.0 | 24 | 23.75 |
| 18 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 9.0 | 29.0 | 45.0 | 26.0 | P77.0 | 61.0 | 33.0 | 8.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | 12.54 |
| 19 | 2.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 10.0 | 43.0 | 7.0 | 2.0 | .0 | .0 | .0 | .0 | 6.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 3.21 |
| 20 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .58 |
| 21 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 10.0 | 44.0 | 24.0 | 12.0 | 17.0 | 23.0 | 7.0 | 3.0 | 7.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 24 | 7.00 |
| 22 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 6.0 | 21.0 | 4.0 | 10.0 | 5.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | 2.96 |
| 23 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 46.0 | 22.0 | 12.0 | 8.0 | 43.0 | P85.0 | P110. | P79.0 | 19.0 | 10.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | 24 | 18.54 |
| 24 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 24 | .79 |
| 25 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 49.0 | P82.0 | P88.0 | 21.0 | 3.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 24 | 10.63 |
| 26 | 1.0 | 9.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 4.0 | | 2.0 | 1.0 | 28.0 | P80.0 | 72.0 | 33.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 23 | 10.87 |
| 27 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.25 |
| 28 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 4.0 | 2.0 | 4.0 | 4.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 24 | 1.25 |
| 29 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 24 | 1.71 |
| 30 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 1.38 |
| 31 | .0 | -1.0 | -1.0 | .0 | .0 | .0 | .0 | .0 | 16.0 | P88.0 | 55.0 | P77.0 | 4.0 | 2.0 | 1.0 | 2.0 | 7.0 | 7.0 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 24 | 11.08 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 2.0 | 9.0 | 3.0 | 3.0 | 2.0 | 2.0 | 4.0 | 22.0 | 46.0 | 88.0 | 82.0 | 97.0 | 72.0 | 85.0 | 112.0 | 79.0 | 99.0 | 40.0 | 27.0 | 21.0 | 5.0 | 3.0 | 4.0 | 2.0 | | |
| AVG: | .55 | .74 | .42 | .48 | .39 | .55 | 1.10 | 3.35 | 9.10 | 14.62 | 14.42 | 18.65 | 13.06 | 15.19 | 20.32 | 11.58 | 10.87 | 4.74 | 2.26 | 1.61 | 1.03 | .77 | .65 | .55 | | |

MONTHLY OBSERVATIONS: 742 MONTHLY MEAN: 6.10 MONTHLY MAX: 112.0

13 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: AUGUST 2012

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 41.0 | 22.0 | 32.0 | 22.0 | 19.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 5.75 |
| 2 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 2.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | 24 | 1.08 |
| 3 | -1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | .0 | .0 | .0 | -1.0 | -1.0 | -1.0 | 24 | -.17 |
| 4 | .0 | .0 | -1.0 | -1.0 | -1.0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 2.0 | 6.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .38 |
| 5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | .67 |
| 6 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 4.0 | 31.0 | 5.0 | 3.0 | 31.0 | 13.0 | 1.0 | 3.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 24 | 4.17 |
| 7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 44.0 | 31.0 | 27.0 | 15.0 | 23.0 | 58.0 | 46.0 | 7.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 24 | 10.88 |
| 8 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | -1.0 | -1.0 | .0 | 1.0 | 13.0 | 3.0 | 1.0 | .0 | -1.0 | -1.0 | -1.0 | 24 | .63 |
| 9 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | | 1.0 | 14.0 | 17.0 | 3.0 | 10.0 | 15.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 23 | 3.13 |
| 10 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 2.0 | 2.0 | 7.0 | 15.0 | 14.0 | 4.0 | 3.0 | 2.0 | 5.0 | 8.0 | 6.0 | 6.0 | 3.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 24 | 3.71 |
| 11 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 11.0 | 9.0 | 10.0 | 7.0 | 3.0 | 2.0 | 2.0 | 7.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | .0 | 24 | 3.08 |
| 12 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 24 | 1.54 |
| 13 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | .42 |
| 14 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 2.0 | 22.0 | 38.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | -1.0 | 24 | 3.08 |
| 15 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 41.0 | | 42.0 | 2.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 23 | 4.57 |
| 16 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | .0 | -1.0 | -1.0 | -1.0 | .0 | -1.0 | -1.0 | -1.0 | 24 | .33 |
| 17 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 12.0 | 8.0 | 9.0 | 8.0 | 3.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 24 | 2.08 |
| 18 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 16.0 | 14.0 | 25.0 | 27.0 | 13.0 | 7.0 | 4.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | 5.21 |
| 19 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 4.0 | 9.0 | 11.0 | 3.0 | 5.0 | 3.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 1.83 |
| 20 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | .58 |
| 21 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 5.0 | 11.0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.71 |
| 22 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | | | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 22 | .91 |
| 23 | .0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | .63 |
| 24 | .0 | .0 | -1.0 | -1.0 | -1.0 | -1.0 | 1.0 | 2.0 | 3.0 | 6.0 | 52.0 | 8.0 | P113. | 13.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 7.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 8.83 |
| 25 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 24 | .96 |
| 26 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | -1.0 | -1.0 | .0 | -1.0 | -1.0 | .0 | .0 | .0 | 24 | .13 |
| 27 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 6.0 | 16.0 | 4.0 | 9.0 | 7.0 | 4.0 | 8.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 2.54 |
| 28 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 4.0 | 23.0 | 16.0 | 7.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 2.17 |
| 29 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | -1.0 | -1.0 | -1.0 | 24 | 1.00 |
| 30 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.08 |
| 31 | 2.0 | 2.0 | 3.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | 24 | 1.13 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 28 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 2.0 | 2.0 | 3.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 41.0 | 44.0 | 52.0 | 38.0 | 113.0 | 31.0 | 58.0 | 46.0 | 19.0 | 13.0 | 4.0 | 7.0 | 3.0 | 2.0 | 2.0 | 1.0 | | |
| AVG: | .29 | .29 | .26 | .23 | .29 | .45 | .77 | 1.03 | 2.73 | 4.29 | 8.52 | 5.94 | 9.45 | 5.65 | 5.61 | 4.13 | 2.48 | 1.52 | .87 | .90 | .81 | .52 | .29 | .19 | | |

MONTHLY OBSERVATIONS: 740 MONTHLY MEAN: 2.39 MONTHLY MAX: 113.0

1 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: SEPTEMBER 2012

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 24 | .92 |
| 2 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .71 |
| 3 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 24 | .96 |
| 4 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 2.0 | 11.0 | 8.0 | 16.0 | 8.0 | 20.0 | 17.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | 4.25 |
| 5 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | 2.0 | 1.0 | .0 | .0 | 4.0 | 38.0 | 38.0 | 33.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 5.46 |
| 6 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | | | 6.0 | 7.0 | 3.0 | 11.0 | 3.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 22 | 1.55 |
| 7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 7.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.13 |
| 8 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 1.0 | 1.0 | .0 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | 24 | 1.04 |
| 9 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 10.0 | 18.0 | 13.0 | 6.0 | 13.0 | 7.0 | 5.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 24 | 3.83 |
| 10 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 1.0 | .0 | 1.0 | 3.0 | 14.0 | 2.0 | 1.0 | 2.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 24 | 2.50 |
| 11 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | 24 | 1.42 |
| 12 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | 23 | .87 |
| 13 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.0 | 1.0 | 14.0 | 7.0 | 10.0 | 3.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.79 |
| 14 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 24 | .42 |
| 15 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 5.0 | 16.0 | 6.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | 1.96 |
| 16 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 5.0 | 5.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.50 |
| 17 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 24 | .46 |
| 18 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 1.0 | 3.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .54 |
| 19 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.63 |
| 20 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | | 9.0 | 11.0 | 5.0 | 3.0 | .0 | 1.0 | .0 | 2.0 | 4.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 23 | 1.83 |
| 21 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .13 |
| 22 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .25 |
| 23 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 43.0 | 1.0 | 2.0 | 9.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 24 | 2.58 |
| 24 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 3.0 | 9.0 | 6.0 | 4.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.38 |
| 25 | 1.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | .38 |
| 26 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 23.0 | 5.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.38 |
| 27 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 10.0 | 13.0 | 4.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 1.58 |
| 28 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .50 |
| 29 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 16.0 | 19.0 | 29.0 | 15.0 | 2.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | 3.71 |
| 30 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .54 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 3.0 | 5.0 | 43.0 | 18.0 | 19.0 | 29.0 | 20.0 | 38.0 | 38.0 | 33.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | | |
| AVG: | .57 | .37 | .50 | .43 | .40 | .77 | .87 | .80 | .83 | 1.11 | 4.76 | 3.73 | 3.97 | 3.63 | 3.07 | 3.90 | 2.63 | 1.97 | .90 | .77 | .67 | .53 | .27 | .37 | | |

MONTHLY OBSERVATIONS: 716 MONTHLY MEAN: 1.57 MONTHLY MAX: 43.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
RAW DATA REPORT

May. 1, 2013

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: OCTOBER 2012

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .50 |
| 2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | 1.04 |
| 3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | 5.0 | 27.0 | 8.0 | 3.0 | 5.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | 23 | 2.52 |
| 4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 31.0 | 45.0 | P85.0 | 25.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 7.88 |
| 5 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.04 |
| 6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | 24 | 1.00 |
| 7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 10.0 | 6.0 | 27.0 | 14.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 3.33 |
| 8 | 1.0 | 1.0 | 1.0 | .0 | .0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 24 | .67 |
| 9 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | 3.0 | 2.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .38 |
| 10 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 3.0 | 9.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 24 | 1.08 |
| 11 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | 1.0 | 3.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 23 | 1.09 |
| 12 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 24 | .63 |
| 13 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .29 |
| 14 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 6.0 | 4.0 | 3.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.13 |
| 15 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .88 |
| 16 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 24 | .58 |
| 17 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | | | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 | 5.0 | 3.0 | 22 | .73 |
| 18 | P92.0 | 75.0 | 7.0 | 21.0 | 2.0 | 1.0 | 1.0 | 1.0 | 3.0 | 2.0 | 26.0 | 50.0 | P142. | 68.0 | 11.0 | 5.0 | 10.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | 21.83 |
| 19 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 37.0 | 28.0 | 11.0 | 15.0 | 8.0 | 10.0 | 8.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 1.0 | 3.0 | 2.0 | 2.0 | 2.0 | 24 | 6.21 |
| 20 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 8.0 | 16.0 | 17.0 | 67.0 | 21.0 | 12.0 | 5.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | 7.33 |
| 21 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 24 | 1.83 |
| 22 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .13 |
| 23 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 24 | .50 |
| 24 | 1.0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .42 |
| 25 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | | | 1.0 | 1.0 | 1.0 | 1.0 | 6.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 22 | 1.00 |
| 26 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 7.0 | 25.0 | 1.0 | 4.0 | 9.0 | 10.0 | 8.0 | 6.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 24 | 3.33 |
| 27 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 5.0 | 7.0 | 12.0 | 9.0 | 6.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 2.13 |
| 28 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .13 |
| 29 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 4.0 | 9.0 | 5.0 | 3.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | 1.42 |
| 30 | 1.0 | .0 | .0 | 1.0 | 9.0 | 8.0 | 3.0 | 6.0 | 8.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 2.13 |
| 31 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 24 | 1.17 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 28 | 28 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 92.0 | 75.0 | 7.0 | 21.0 | 9.0 | 37.0 | 28.0 | 11.0 | 15.0 | 25.0 | 31.0 | 50.0 | 142.0 | 68.0 | 21.0 | 12.0 | 10.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 5.0 | 3.0 | | |
| AVG: | 3.55 | 2.97 | .84 | 1.06 | .90 | 2.16 | 1.71 | 1.26 | 1.75 | 2.00 | 3.32 | 6.00 | 9.61 | 8.03 | 3.35 | 2.10 | 1.29 | .94 | .94 | .84 | .84 | .77 | .68 | .74 | | |

MONTHLY OBSERVATIONS: 738 MONTHLY MEAN: 2.41 MONTHLY MAX: 142.0

3 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: NOVEMBER 2012

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 22.0 | 1.0 | 2.0 | 10.0 | 42.0 | 58.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | 5.75 |
| 2 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | 24 | .67 |
| 3 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 24 | .54 |
| 4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 7.0 | 8.0 | 8.0 | 7.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 24 | 2.17 |
| 5 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 24 | 1.00 |
| 6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .50 |
| 7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 24 | 1.21 |
| 8 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | | 4.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 23 | 1.91 |
| 9 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 3.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.71 |
| 10 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.42 |
| 11 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.08 |
| 12 | 2.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 14.0 | 35.0 | P85.0 | 72.0 | P109. | P119. | P166. | 66.0 | 37.0 | 7.0 | 4.0 | 12.0 | 6.0 | 15.0 | 7.0 | 3.0 | 24 | 32.13 |
| 13 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 8.0 | 4.0 | 5.0 | 6.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 24 | 2.17 |
| 14 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | 1.54 |
| 15 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | 4.0 | 5.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 4.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 23 | 2.74 |
| 16 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 2.0 | 1.0 | 1.0 | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | .0 | 24 | 2.42 |
| 17 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 1.0 | 3.0 | 6.0 | 5.0 | 5.0 | 6.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 3.08 |
| 18 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 4.0 | 7.0 | 7.0 | 6.0 | 5.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | .0 | .0 | 24 | 2.71 |
| 19 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .88 |
| 20 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 7.0 | 12.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | 1.50 |
| 21 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 24 | .38 |
| 22 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 1.0 | .0 | 1.0 | 3.0 | 1.0 | .0 | .0 | 24 | .54 |
| 23 | 1.0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.13 |
| 24 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 13.0 | 9.0 | 6.0 | 3.0 | 3.0 | 3.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | 24 | 2.38 |
| 25 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.42 |
| 26 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 24 | 1.04 |
| 27 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 19.0 | 18.0 | 15.0 | 12.0 | 9.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 3.83 |
| 28 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 55.0 | 48.0 | 39.0 | P87.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | 24 | 10.46 |
| 29 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | | | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 22 | 1.05 |
| 30 | 2.0 | 1.0 | .0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 3.0 | 7.0 | 17.0 | 14.0 | 5.0 | 5.0 | 3.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 24 | 3.50 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 28 | 28 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 4.0 | 14.0 | 35.0 | 85.0 | 72.0 | 109.0 | 119.0 | 166.0 | 66.0 | 37.0 | 7.0 | 4.0 | 12.0 | 6.0 | 15.0 | 7.0 | 3.0 | | |
| AVG: | 1.17 | 1.03 | .83 | .93 | 1.03 | 1.17 | 1.27 | 1.33 | 1.70 | 2.54 | 8.04 | 7.10 | 8.07 | 10.00 | 9.77 | 6.03 | 3.03 | 1.60 | 1.47 | 1.57 | 1.37 | 1.60 | 1.20 | .90 | | |

MONTHLY OBSERVATIONS: 716 MONTHLY MEAN: 3.10 MONTHLY MAX: 166.0

5 Values marked with 'P' exceed the PRIMARY STANDARD of: 75.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42401) Sulfur dioxide

SITE ID: 17-179-0004 POC: 2
COUNTY: (179) Tazewell
CITY: (58447) Pekin
SITE ADDRESS: 272 DERBY
SITE COMMENTS: 090060 02 PEKIN SO2C A151
MONITOR COMMENTS: 20

STATE: (17) Illinois
AQCR: (065) BURLINGTON-KEOKUK
URBANIZED AREA: (6120) PEORIA, IL
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5
LATITUDE: 40.5564601725
LONGITUDE: -89.654028075
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 158
PROBE HEIGHT: 6

SUPPORT AGENCY: (0513) Illinois Environmental Protection Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (061) INSTRUMENTAL ULTRA VIOLET FLUORESC
PQAO: (0513) Illinois Environmental Protection Agency

REPORT FOR: DECEMBER 2012

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 2

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | 2.0 | 24 | 1.29 |
| 2 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 2.0 | 2.0 | 4.0 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | .88 |
| 3 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.0 | 1.0 | 24 | .33 |
| 4 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 1.42 |
| 5 | 1.0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 22 | .64 |
| 6 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .67 |
| 7 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .04 |
| 8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 24 | .21 |
| 9 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 24 | .42 |
| 10 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 24 | .38 |
| 11 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | | | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 22 | .55 |
| 12 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .79 |
| 13 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 24 | .92 |
| 14 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .54 |
| 15 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 24 | .04 |
| 16 | .0 | .0 | 17.0 | 3.0 | 2.0 | 21.0 | 9.0 | 68.0 | 40.0 | 11.0 | 12.0 | 15.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 24 | 8.79 |
| 17 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 24 | 1.25 |
| 18 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 2.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .92 |
| 19 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | | | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 22 | 1.41 |
| 20 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 24 | .17 |
| 21 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 4.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 24 | 1.25 |
| 22 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 24 | .75 |
| 23 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | .83 |
| 24 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | 24 | .58 |
| 25 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 1.00 |
| 26 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 | 24 | 1.38 |
| 27 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 24 | 1.00 |
| 28 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 24 | 1.50 |
| 29 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | 24 | .88 |
| 30 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 24 | 1.13 |
| 31 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 7.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 24 | 1.25 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 29 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 2.0 | 2.0 | 17.0 | 3.0 | 3.0 | 21.0 | 9.0 | 68.0 | 40.0 | 11.0 | 12.0 | 15.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 3.0 | 2.0 | 2.0 | 3.0 | 2.0 | 4.0 | 2.0 | | |
| AVG: | .65 | .71 | 1.26 | .90 | .87 | 1.61 | 1.13 | 2.90 | 2.13 | 1.32 | 1.27 | 1.34 | 1.10 | 1.10 | .94 | .74 | .71 | .65 | .81 | .55 | .65 | .68 | .90 | .84 | | |

MONTHLY OBSERVATIONS: 738 MONTHLY MEAN: 1.07 MONTHLY MAX: 68.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.