UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: XJLSTEGER

RAW DATA REPORT

Report Request ID: 1657132

Report Code: AMP350

May. 30, 2018

GEOGRAPHIC SELECTIONS

| Tribal Code | State | County | Site | Parameter | POC | City | AQCR | UAR | CBSA | CSA | EPA Region |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 37 | | | | | | | | | | |

PROTOCOL SELECTIONS

| Parameter Classification | Parameter | Method | Duration |
|---|---|---|---|
| CRITERIA | 88101 | | |

AGENCY SELECTIONS

North Carolina Dept Of Environmental Quality

SELECTED OPTIONS

| Option Type | Option Value |
|---|---|
| INCLUDE NULLS | YES |
| DAILY STATISTICS | MAXIMUM |
| UNITS | STANDARD |
| RAW DATA EVENTS | INCLUDE EVENTS |
| MERGE PDF FILES | YES |
| AGENCY ROLE | PQAO |

SORT ORDER

| Order | Column |
|---|---|
| 1 | STATE_CODE |
| 2 | COUNTY_CODE |
| 3 | SITE_ID |
| 4 | PARAMETER_CODE |
| 5 | POC |

DATE CRITERIA

| Start Date | End Date |
|---|---|
| 2016 01 01 | 2016 12 31 |

APPLICABLE STANDARDS

| Standard Description |
|---|
| PM25 24-hour 2012 |

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
RAW DATA REPORT

May. 30, 2018

(88101) PM2.5 - Local Conditions

SITE ID: 37-021-0034 POC: 1
COUNTY: (021) Buncombe
CITY: (02140) Asheville
SITE ADDRESS: 175 BINGHAM ROAD
SITE COMMENTS: Located in BOARD OF EDUCATION ADMINISTRATIVE COMPOUND
MONITOR COMMENTS: ID2=101

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0480) ASHEVILLE, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.6062000009
LONGITUDE: -82.5844
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 662.94
PROBE HEIGHT: 8

SUPPORT AGENCY: (0779) North Carolina Western Regional Air Pollution Control Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: 2016

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

| Day | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.7 | | 10.1 | | | | | 5.9 | | | | |
| 2 | | | | | | 9.5 | 9.9 | | | | 14.3 | 2.8 |
| 3 | | 3.3 | | 3.4 | BJ | | | | 5.5 | 7.9 | | |
| 4 | 3.7 | | 3.1 | | | | | 3.8 | | | | |
| 5 | | | | | | 5.3 | 10.4 | | | | 7.2 | 3.0 |
| 6 | | 9.1 | | 6.0 | 5.2 | | | | 9.2 | 5.0 | | |
| 7 | 8.8 | | 10.5 | | | | | BJ | | | | |
| 8 | | | | | | 4.5 | 5.2 | | | | P 40.2 | 3.7 |
| 9 | | 2.9 | | 2.9 | 12.2 | | | | 12.5 | 3.1 | | |
| 10 | BJ | | 11.1 | | | | | 3.9 | | | | |
| 11 | | | | | | 12.2 | 7.9 | | | | 7.6 | 7.2 |
| 12 | | 8.3 | | 4.7 | 8.1 | | | | 7.2 | 6.6 | | |
| 13 | 3.7 | | 7.2 | | | | | 6.1 | | | | |
| 14 | | | | | | 11.3 | 8.1 | | | | P 68.0 | 5.0 |
| 15 | | 6.0 | | 5.1 | 3.2 | | | | 7.4 | 9.6 | | |
| 16 | 7.7 | | 7.1 | | | | | 5.8 | | | | |
| 17 | | | | | | 5.4 | 7.0 | | | | 10.2 | 5.7 |
| 18 | | 4.6 | | 8.9 | 7.7 | | | | 7.1 | 7.8 | | |
| 19 | 5.7 | | 9.4 | | | | | 3.9 | | | | |
| 20 | | | | | | 9.4 | 8.2 | | | | 3.0 | 8.4 |
| 21 | | 18.1 | | 9.2 | 4.2 | | | | BJ | 3.3 | | |
| 22 | 5.7 | | 7.3 | | | | | 5.5 | | | | |
| 23 | | | | | | 11.3 | 8.6 | | | | P 59.5 | 6.5 |
| 24 | | 2.1 | | 7.2 | 8.7 | | | | .1 | 7.0 | | |
| 25 | 16.0 | | 9.7 | | | | | 7.6 | | | | |
| 26 | | | | | | 11.4 | 9.7 | | | | 9.2 | 8.4 |
| 27 | | 6.7 | | 16.0 | 13.5 | | | | 8.0 | 11.4 | | |
| 28 | 7.3 | | 3.9 | | | | | 9.5 | | | | |
| 29 | | | | | | 9.0 | 4.5 | | | | 3.6 | 3.5 |
| 30 | | | | 7.8 | 9.2 | | | | 5.3 | 11.5 | | |
| 31 | 10.2 | | 6.7 | | | | | 11.5 | | | | |
| NO.: | 10 | 9 | 11 | 10 | 9 | 10 | 10 | 10 | 9 | 10 | 10 | 10 |
| MAX: | 16.0 | 18.1 | 11.1 | 16.0 | 13.5 | 12.2 | 10.4 | 11.5 | 12.5 | 11.5 | 68.0 | 8.4 |
| MEAN: | 7.35 | 6.79 | 7.83 | 7.12 | 8.00 | 8.93 | 7.95 | 6.35 | 6.92 | 7.32 | 22.28 | 5.42 |

ANNUAL OBSERVATIONS: 118 ANNUAL MEAN: 8.55 ANNUAL MAX: 68.0

3 Values marked with 'P' exceed the PRIMARY STANDARD of: 35.5
3 Values marked with 'S' exceed the SECONDARY STANDARD of: 35.5

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-021-0034 POC: 2
COUNTY: (021) Buncombe
CITY: (02140) Asheville
SITE ADDRESS: 175 BINGHAM ROAD
SITE COMMENTS: Located in BOARD OF EDUCATION ADMINISTRATIVE COMPOUND
MONITOR COMMENTS: ID2=102

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0480) ASHEVILLE, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.6062000009
LONGITUDE: -82.5844
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 662.94
PROBE HEIGHT: 8

SUPPORT AGENCY: (0779) North Carolina Western Regional Air Pollution Control Agency
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: 2016

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

| Day | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.9 | | 10.3 | | | | | | | | | |
| 2 | | | | | | | | | | | 16.8 | 5.5 |
| 3 | | | | | | | | | 7.2 | AN | | |
| 4 | | | | | | | | BJ | | | | |
| 5 | | | | | | 5.2 | 10.7 | | | | 8.0 | |
| 6 | | 9.2 X | | 5.8 | 5.3 | | | | | | | |
| 7 | 9.2 | | 10.7 | | | | | | | | | |
| 8 | | | | | | | | | | | BJ | 4.2 |
| 9 | | | | | | | | | 15.0 | 4.7 | | |
| 10 | | | | | | | | 3.9 | | | | |
| 11 | | | | | | 12.1 | 7.9 | | | | 9.1 | |
| 12 | | 8.3 X | | 5.2 | 8.1 | | | | | | | |
| 13 | 3.7 X | | 7.5 | | | | | | | | | |
| 14 | | | | | | | | | | | BJ | 5.5 |
| 15 | | | | | | | | | 8.9 | 11.5 | | |
| 16 | | | | | | | | 6.0 | | | | |
| 17 | | | | | | 5.7 | 7.1 | | | | 12.8 | |
| 18 | | 4.6 | | 9.0 | 8.1 | | | | | | | |
| 19 | 5.7 | | 9.9 | | | | | | | | | |
| 20 | | | | | | | | | | | 4.1 | 10.4 |
| 21 | | | | | | | | | AN | AN | | |
| 22 | | | | | | | | 9.5 | | | | |
| 23 | | | | | | 11.3 | 8.4 | | | | | |
| 24 | | 2.2 | | 7.1 | 9.1 | | | | | | | |
| 25 | 15.8 | | 9.7 | | | | | | | | | |
| 26 | | | | | | | | | | | AN | 10.2 |
| 27 | | | | | | | | | AN | 13.8 | | |
| 28 | | | | | | | | 11.9 | | | | |
| 29 | | | | | | 7.5 | 4.4 | | | | | |
| 30 | | | | 7.9 | 8.4 | | | | | | | |
| 31 | 10.6 | | 6.1 | | | | | | | | | |
| NO.: | 6 | 4 | 6 | 5 | 5 | 5 | 5 | 4 | 3 | 3 | 5 | 5 |
| MAX: | 15.8 | 9.2 | 10.7 | 9.0 | 9.1 | 12.1 | 10.7 | 11.9 | 15.0 | 13.8 | 16.8 | 10.4 |
| MEAN: | 8.32 | 6.08 | 9.03 | 7.00 | 7.80 | 8.36 | 7.70 | 7.83 | 10.37 | 10.00 | 10.16 | 7.16 |

ANNUAL OBSERVATIONS: 56 ANNUAL MEAN: 8.24 ANNUAL MAX: 16.8

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-021-0034 POC: 3
COUNTY: (021) Buncombe
CITY: (02140) Asheville
SITE ADDRESS: 175 BINGHAM ROAD
SITE COMMENTS: Located in BOARD OF EDUCATION ADMINISTRATIVE COMPOUND
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0480) ASHEVILLE, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.6062000009
LONGITUDE: -82.5844
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 662.94
PROBE HEIGHT: 8

SUPPORT AGENCY: (0779) North Carolina Western Regional Air Pollution Control Agency
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JUNE 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 21 | AH | AH | AH | AH | AH | AH | AH | AH | AH | 13.0 | 15.9 | 14.9 | 13.9 | 10.9 | 9.9 | 9.0 | 12.0 | 11.9 | 9.0 | 10.0 | 12.0 | 11.9 | 8.9 | 8.0 | 15 | 15.9 |
| 22 | 13.0 | 13.0 | 13.9 | 11.0 | 14.0 | 13.9 | 9.9 | 9.0 | 17.9 | 14.0 | 18.9 | 12.0 | 14.0 | 16.9 | 11.9 | 11.0 | 11.9 | 12.5 | 9.0 | 14.9 | 11.0 | 12.0 | 14.9 | 13.0 | 24 | 18.9 |
| 23 | 14.0 | 15.0 | 15.0 | 16.0 | 15.9 | 11.0 | 14.9 | 12.9 | 11.0 | AX | BA | 16.9 2 | 13.0 2 | 13.0 2 | 12.9 2 | 11.9 2 | 4.1 2 | 10.9 2 | 9.9 2 | 8.9 2 | 8.0 2 | 9.0 2 | 11.0 2 | 11.9 2 | 22 | 16.9 |
| 24 | -2.9 2 | 2.0 2 | 3.0 2 | 4.0 2 | 3.9 2 | 5.9 2 | 5.0 2 | 5.0 2 | 7.0 2 | 6.9 2 | 5.0 2 | 10.9 2 | 6.9 2 | 2.0 2 | 7.9 2 | 6.9 2 | .0 2 | 9.0 2 | 6.9 2 | 4.0 2 | 7.9 2 | 6.0 2 | 9.4 2 | 8.0 2 | 24 | 10.9 |
| 25 | 9.9 2 | 6.0 2 | 9.9 2 | 8.9 2 | 7.0 2 | 7.0 2 | 7.0 2 | 8.0 2 | 8.0 2 | 13.9 2 | 12.0 2 | 12.9 2 | 8.0 2 | 10.1 2 | 8.0 2 | 8.0 2 | 8.9 2 | 7.0 2 | 9.9 2 | 8.9 2 | 6.0 2 | 6.9 2 | 6.0 2 | 10.9 2 | 24 | 13.9 |
| 26 | 7.9 2 | 7.0 2 | 8.9 2 | 7.0 2 | 7.8 2 | 9.0 2 | 9.9 2 | 8.0 2 | 11.9 2 | 9.0 2 | 12.0 2 | 16.3 2 | 16.9 2 | 15.9 2 | 12.9 2 | 11.0 2 | 11.9 2 | .0 2 | 10.9 2 | 8.9 2 | 8.0 2 | 9.0 2 | 11.0 2 | 12.9 2 | 24 | 16.9 |
| 27 | 11.9 2 | 10.9 2 | 10.2 2 | 13.0 2 | 13.9 2 | 11.9 2 | 9.9 2 | 9.0 2 | 14.0 2 | 17.9 2 | 14.0 2 | 17.9 2 | 15.9 2 | 7.9 2 | 3.0 2 | 7.0 2 | 13.9 2 | 8.9 2 | 8.0 2 | 7.9 2 | 4.0 2 | 5.0 2 | 7.0 2 | 7.0 2 | 24 | 17.9 |
| 28 | 8.9 2 | 5.0 2 | 6.9 2 | 6.0 2 | 6.9 2 | 5.0 2 | 7.0 2 | 7.0 2 | 7.0 2 | 8.9 2 | 7.0 2 | 7.0 2 | 10.0 2 | 13.9 2 | 9.9 2 | 5.9 2 | 4.9 2 | 3.0 2 | 7.0 2 | 6.9 2 | 4.0 2 | 5.0 2 | 6.9 2 | 6.0 2 | 24 | 13.9 |
| 29 | 8.0 2 | 7.9 2 | 7.0 2 | 7.9 2 | 3.0 2 | 4.0 2 | 5.0 2 | 5.0 2 | 5.0 2 | 10.0 2 | 13.3 2 | 12.9 2 | 8.0 2 | 7.9 2 | 5.0 2 | 9.0 2 | 9.9 2 | 5.0 2 | 5.0 2 | 6.9 2 | 3.0 2 | 3.0 2 | 4.0 2 | 7.9 2 | 24 | 13.3 |
| 30 | 7.0 2 | 8.9 2 | 7.0 2 | 6.9 2 | 5.0 2 | 6.9 2 | 4.0 2 | 6.9 2 | 6.0 2 | 14.0 2 | 14.9 2 | 14.9 2 | 14.0 2 | 13.9 2 | 12.3 2 | 10.0 2 | 11.9 2 | 8.9 2 | 6.9 2 | 6.0 2 | 6.9 2 | 6.0 2 | 9.0 2 | 12.9 2 | 24 | 14.9 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | |
| MAX: | 14.0 | 15.0 | 15.0 | 16.0 | 15.9 | 13.9 | 14.9 | 12.9 | 17.9 | 17.9 | 18.9 | 17.9 | 16.9 | 16.9 | 12.9 | 11.9 | 13.9 | 12.5 | 10.9 | 14.9 | 12.0 | 12.0 | 14.9 | 13.0 | | |
| AVG: | 8.63 | 8.41 | 9.09 | 8.97 | 8.60 | 8.29 | 8.07 | 7.87 | 9.76 | 11.96 | 12.56 | 13.66 | 12.06 | 11.24 | 9.37 | 8.97 | 8.94 | 7.71 | 8.25 | 8.33 | 7.08 | 7.38 | 8.81 | 9.85 | | |

MONTHLY OBSERVATIONS: 229 MONTHLY MEAN: 9.33 MONTHLY MAX: 18.9

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(88101) PM2.5 - Local Conditions

SITE ID: 37-021-0034 POC: 3
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PROBE HEIGHT: 8

SUPPORT AGENCY: (0779) North Carolina Western Regional Air Pollution Control Agency
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JULY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.0 2 | 4.0 2 | 8.0 2 | 7.9 2 | 7.0 2 | 7.0 2 | 10.3 2 | 14.9 2 | 11.9 2 | 11.0 2 | 19.9 2 | 12.9 2 | 9.9 2 | 8.0 2 | 8.9 2 | 5.2 2 | 5.9 2 | 2.9 2 | -.9 2 | 8.0 2 | 9.0 2 | 10.0 2 | 10.9 2 | 8.9 2 | 24 | 19.9 |
| 2 | 8.0 2 | 10.9 2 | 10.9 2 | 6.0 2 | 9.9 2 | 7.9 2 | 7.0 2 | 7.0 2 | 11.0 2 | 13.9 2 | 13.0 2 | 13.9 2 | 11.0 2 | 11.9 2 | 6.0 2 | 13.2 2 | 4.0 2 | 7.9 2 | 4.0 2 | 9.9 2 | 8.0 2 | 8.0 2 | 14.9 2 | 10.0 2 | 24 | 14.9 |
| 3 | 12.6 2 | 14.0 2 | 17.9 2 | 15.9 2 | 12.7 2 | 13.0 2 | 13.9 2 | 8.0 2 | 17.9 2 | 12.0 2 | 16.9 2 | 13.9 2 | 11.9 2 | 9.9 2 | 9.0 2 | 11.9 2 | 6.0 2 | 13.9 2 | 11.9 2 | 7.0 2 | 11.9 2 | 9.9 2 | 9.0 2 | 13.9 2 | 24 | 17.9 |
| 4 | 8.0 2 | 8.0 2 | 7.9 2 | 7.0 2 | 7.9 2 | 3.0 2 | 5.9 2 | 4.0 2 | 8.0 2 | 13.0 2 | 17.0 2 | 17.0 2 | 17.9 2 | 14.9 2 | 14.0 2 | 13.9 2 | 8.0 2 | 14.8 2 | 8.0 2 | 8.0 2 | 11.0 2 | 24.0 2 | 39.9 2 | 27.0 2 | 24 | 39.9 |
| 5 | 27.9 2 | 26.9 2 | 25.0 2 | 25.9 2 | 24.0 2 | 24.9 2 | 22.9 2 | 20.9 2 | 16.9 2 | 12.0 2 | 16.9 2 | 12.0 2 | 11.9 2 | 7.9 2 | -4.9 2 | 2.0 2 | 9.9 2 | 7.9 2 | 5.9 2 | 4.9 2 | 3.9 2 | 3.0 2 | 5.9 2 | 5.0 2 | 24 | 27.9 |
| 6 | 5.9 2 | 3.0 2 | 3.9 2 | 2.0 2 | 3.0 2 | 4.0 2 | 4.0 2 | 6.9 2 | -.9 2 | 9.0 2 | 10.9 2 | 11.9 2 | 8.0 2 | 10.0 2 | 9.9 2 | 8.9 2 | 6.0 2 | 8.0 2 | 10.9 2 | -4.9 2 | 8.9 2 | -1.9 2 | 1.9 2 | 1.0 2 | 24 | 11.9 |
| 7 | 3.0 2 | 4.9 2 | 4.0 2 | 5.9 2 | 5.0 2 | 5.9 2 | 3.0 2 | 4.0 2 | 7.0 2 | 10.0 2 | 14.9 2 | 3.0 2 | 6.0 2 | 6.0 2 | 11.9 2 | 2.9 2 | 2.0 2 | 6.0 2 | 9.9 2 | 3.0 2 | 8.3 2 | .0 2 | 3.9 2 | 2.0 2 | 24 | 14.9 |
| 8 | 2.0 2 | 5.0 2 | 4.9 2 | 4.3 2 | .0 2 | .0 2 | 2.9 2 | -.9 2 | 5.0 2 | 14.0 2 | 13.9 2 | 330.1NS | 40.9NS | 2.0 2 | 12.0 2 | 11.9 2 | 6.0 2 | 9.0 2 | 6.0 2 | 10.9 2 | 4.9 2 | -1.9 2 | 1.0 2 | 3.9 2 | 24 | 330.1 |
| 9 | 2.9 2 | .0 2 | 2.0 2 | 3.0 2 | 5.0 2 | 5.9 2 | 3.9 2 | 5.0 2 | 8.9 2 | 5.9 2 | 4.0 2 | 7.9 2 | 1.0 2 | 8.9 2 | 6.8 2 | 7.0 2 | 8.0 2 | 8.9 2 | 7.0 2 | 8.0 2 | 8.0 2 | 8.0 2 | 10.9 2 | 10.0 2 | 24 | 10.9 |
| 10 | 14.9 2 | 13.0 2 | 14.0 2 | 14.9 2 | 11.0 2 | 10.9 2 | 9.9 2 | 9.9 2 | 8.9 2 | 7.0 2 | 15.9 2 | 10.9 2 | 8.9 2 | 7.0 2 | 6.9 2 | 5.0 2 | 7.9 2 | 4.0 2 | 6.9 2 | 2.9 2 | 1.9 2 | .0 2 | 7.9 2 | 7.0 2 | 24 | 15.9 |
| 11 | 7.0 2 | 7.0 2 | 9.9 2 | 8.0 2 | 7.0 2 | 7.9 2 | 6.0 2 | 8.0 2 | 11.0 2 | AX | BA | 19.9 2 | 16.9 2 | 11.0 2 | 14.9 2 | 3.9 2 | 1.0 2 | 4.0 2 | 10.9 2 | 7.9 2 | 6.0 2 | 7.9 2 | 2.9 2 | .0 2 | 22 | 19.9 |
| 12 | .0 2 | 5.9 2 | 2.9 2 | 1.0 2 | 3.1 2 | 7.0 2 | 6.9 2 | 3.0 2 | 5.1 2 | 4.0 2 | 10.0 2 | 11.9 2 | 10.9 2 | 7.9 2 | 8.0 2 | 7.9 2 | -3.9 2 | 2.0 2 | 8.0 2 | 15.9 2 | 12.0 2 | 14.9 2 | 10.9 2 | 9.9 2 | 24 | 15.9 |
| 13 | 8.9 2 | 6.0 2 | 8.9 2 | 6.0 2 | 9.9 2 | 6.9 2 | 6.0 2 | 4.0 2 | 9.5 2 | 20.0 2 | 23.0 2 | 24.9 2 | 15.0 2 | 15.0 2 | 19.9 2 | 7.0 2 | 13.9 2 | 7.9 2 | 3.0 2 | 7.0 2 | 10.9 2 | 9.9 2 | 8.9 2 | 6.8 2 | 24 | 24.9 |
| 14 | 8.9 2 | 7.9 2 | 7.0 2 | 7.9 2 | 5.0 2 | 5.9 2 | 5.0 2 | 5.9 2 | 5.0 2 | 13.0 2 | AX | BA | 14.0 2 | 16.9 2 | 4.0 2 | 7.0 2 | 15.0 2 | 20.9 2 | -4.9 2 | 4.0 2 | 7.9 2 | 3.0 2 | 3.0 2 | 6.9 2 | 22 | 20.9 |
| 15 | 2.0 2 | 4.0 2 | 4.9 2 | 3.9 2 | 2.0 2 | 2.9 2 | .0 2 | 1.0 2 | 3.0 2 | 5.0 2 | 5.9 2 | 5.0 2 | 11.9 2 | 10.9 2 | 7.9 2 | -4.9 2 | -3.9 2 | 5.3 2 | 5.0 2 | 7.9 2 | 7.0 2 | 6.9 2 | 5.8 2 | 5.0 2 | 24 | 11.9 |
| 16 | 5.9 2 | 4.0 2 | 6.0 2 | 6.0 2 | 5.9 2 | 5.7 2 | 6.0 2 | 5.9 2 | 2.0 2 | 15.9 2 | 11.9 2 | 11.0 2 | 10.9 2 | 8.0 2 | 8.0 2 | 8.9 2 | -.9 2 | 1.0 2 | 2.0 2 | 6.9 2 | 4.0 2 | 6.0 2 | 5.9 2 | 5.0 2 | 24 | 15.9 |
| 17 | 8.3 2 | 3.0 2 | 6.9 2 | 2.0 2 | 7.9 2 | 7.0 2 | 8.9 2 | 5.1 2 | 6.9 2 | 3.0 2 | 12.9 2 | 10.9 2 | 8.9 2 | 6.0 2 | 8.0 2 | 7.9 2 | .9 2 | .0 2 | 3.0 2 | 6.9 2 | 3.0 2 | 8.5 2 | 7.9 2 | 3.0 2 | 24 | 12.9 |
| 18 | 5.0 2 | 5.0 2 | 7.0 2 | 7.0 2 | 6.9 2 | 5.0 2 | 8.9 2 | 7.9 2 | 1.0 2 | 12.0 2 | 12.0 2 | 11.9 2 | 5.0 2 | 6.0 2 | 5.9 2 | 4.0 2 | 4.0 2 | 7.0 2 | 7.9 2 | 4.9 2 | 3.9 2 | 3.0 2 | 4.0 2 | 8.0 2 | 24 | 12.0 |
| 19 | 6.9 2 | 5.0 2 | 6.9 2 | 6.0 2 | 8.9 2 | 6.9 2 | 5.9 2 | 4.0 2 | 13.9 2 | 10.9 2 | 6.0 2 | 19.9 2 | 13.0 2 | 12.9 2 | 9.0 2 | 10.9 2 | -4.9 2 | 1.0 2 | 3.0 2 | 6.9 2 | 6.0 2 | 6.0 2 | 9.9 2 | 8.0 2 | 24 | 19.9 |
| 20 | 8.9 2 | 4.0 2 | 6.0 2 | 7.9 2 | 4.0 2 | 6.0 2 | 6.0 2 | 6.0 2 | 6.0 2 | 12.0 2 | 19.9 2 | 15.9 2 | 12.9 2 | 10.9 2 | 9.9 2 | 6.0 2 | 8.0 2 | 8.9 2 | 3.9 2 | 2.0 2 | 2.0 2 | 6.9 2 | 6.0 2 | 8.0 2 | 24 | 19.9 |
| 21 | 8.0 2 | 9.0 2 | 9.0 2 | 9.0 2 | 9.0 2 | 9.0 2 | 10.2 2 | 7.0 2 | 15.9 2 | 13.0 2 | 13.0 2 | 14.9 2 | 13.4 2 | 12.9 2 | 12.0 2 | 16.9 2 | -4.9 2 | 11.0 2 | 11.9 2 | 8.0 2 | 9.0 2 | 8.9 2 | 7.0 2 | 9.0 2 | 24 | 16.9 |
| 22 | 9.0 2 | 9.9 2 | 8.0 2 | 7.9 2 | 4.0 2 | 6.9 2 | 5.0 2 | 5.0 2 | 10.0 2 | 13.0 2 | 14.0 2 | 16.0 2 | 20.9 2 | 17.9 2 | 14.9 2 | 12.0 2 | 14.9 2 | 2.0 2 | 4.0 2 | 6.0 2 | 7.0 2 | 7.0 2 | 8.0 2 | 10.2 2 | 24 | 20.9 |
| 23 | 9.9 2 | 7.0 2 | 6.9 2 | 2.0 2 | 3.9 2 | 3.0 2 | 5.0 2 | 5.0 2 | 7.9 2 | 7.0 2 | 14.0 2 | 15.0 2 | 18.9 2 | 13.0 2 | 13.9 2 | 3.0 2 | 12.9 2 | 6.0 2 | 11.0 2 | 11.0 2 | 10.9 2 | 14.0 2 | 13.9 2 | 12.0 2 | 24 | 18.9 |
| 24 | 11.9 2 | 10.9 2 | 9.0 2 | 10.0 2 | 10.9 2 | 6.9 2 | 6.0 2 | 7.0 2 | 10.0 2 | 10.0 2 | 15.9 2 | 12.0 2 | 13.0 2 | 12.9 2 | 11.0 2 | 13.9 2 | 11.9 2 | 7.0 2 | 12.0 2 | 11.9 2 | 8.0 2 | 16.9 2 | 10.0 2 | 10.9 2 | 24 | 16.9 |
| 25 | 9.0 2 | 10.0 2 | 12.9 2 | 11.9 2 | 8.0 2 | 7.9 2 | 4.9 2 | 4.0 2 | 7.0 2 | 9.0 2 | 18.1 2 | 12.0 2 | 13.9 2 | 10.0 2 | 18.2 2 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 15 | 18.2 |
| 26 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AX | BA | 16.9 | 10.9 | 9.9 | 8.9 | 2.3 | 7.9 | 4.0 | 10.9 | 10.0 | 10.9 | 10.0 | 12.9 | 12 | 16.9 |
| 27 | 9.9 | 9.0 | 11.9 | 10.9 | 8.0 | 7.9 | 7.0 | 10.0 | 9.9 | 7.0 | 16.0 | 17.9 | 13.9 | 13.0 | 14.0 | 14.9 | 7.0 | 8.9 | 4.9 | 1.0 | 5.9 | 2.0 | 2.0 | 5.6 | 24 | 17.9 |
| 28 | 3.0 | 4.0 | 6.9 | 4.0 | 7.9 | 3.9 | 2.9 | 2.0 | 9.0 | 10.0 | 13.9 | 10.9 | 5.0 | 8.0 | 8.9 | 6.0 | 6.0 | 6.0 | 5.9 | 1.9 | 1.0 | 7.0 | 4.0 | 3.9 | 24 | 13.9 |
| 29 | .0 | .0 | .0 | -2.0 | -1.9 | 1.0 | 1.0 | 1.0 | 2.9 | 2.0 | 5.0 | 7.0 | 6.9 | 6.0 | 8.9 | 4.0 | 11.9 | 8.9 | 2.0 | 4.9 | 3.0 | 6.0 | 6.9 | 5.0 | 24 | 11.9 |
| 30 | 6.7 | 8.9 | 3.0 | 7.0 | 6.9 | 4.0 | 3.9 | .0 | 4.9 | .0 | 6.0 | 10.9 | 9.0 | 10.9 | 7.9 | -4.9 | 1.0 | 6.0 | 5.9 | 5.0 | 6.0 | 7.9 | 8.9 | 8.0 | 24 | 10.9 |
| 31 | 8.0 | 9.0 | 8.9 | 6.0 | 6.9 | 4.0 | 4.9 | 2.0 | 5.9 | 3.0 | 10.0 | 10.9 | 9.9 | 7.0 | 8.0 | 18.9 | 1.0 | 7.8 | 12.0 | 14.9 | -4.9 | 1.0 | 1.0 | 5.9 | 24 | 18.9 |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 29 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 27.9 | 26.9 | 25.0 | 25.9 | 24.0 | 24.9 | 22.9 | 20.9 | 17.9 | 20.0 | 23.0 | 330.1 | 40.9 | 17.9 | 19.9 | 18.9 | 15.0 | 20.9 | 12.0 | 15.9 | 12.0 | 24.0 | 39.9 | 27.0 | | |
| AVG: | 7.55 | 7.31 | 8.05 | 7.17 | 6.99 | 6.61 | 6.47 | 5.78 | 8.05 | 9.57 | 13.24 | 23.87 | 12.53 | 10.15 | 9.79 | 7.80 | 5.23 | 7.09 | 6.17 | 6.78 | 6.48 | 7.12 | 8.10 | 7.76 | | |

MONTHLY OBSERVATIONS: 719 MONTHLY MEAN: 8.54 MONTHLY MAX: 330.1

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-021-0034 POC: 3
COUNTY: (021) Buncombe
CITY: (02140) Asheville
SITE ADDRESS: 175 BINGHAM ROAD
SITE COMMENTS: Located in BOARD OF EDUCATION ADMINISTRATIVE COMPOUND
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0480) ASHEVILLE, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.6062000009
LONGITUDE: -82.5844
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 662.94
PROBE HEIGHT: 8

SUPPORT AGENCY: (0779) North Carolina Western Regional Air Pollution Control Agency
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: AUGUST 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.0 | 4.0 | 4.0 | 5.0 | 4.0 | 4.0 | 1.0 | 3.0 | 4.0 | AX | BA | 15.0 | 10.0 | 10.0 | -2.0 | 5.0 | 6.0 | .2 | 6.6 | 9.0 | 8.0 | 6.0 | 4.0 | 8.0 | 22 | 15.0 |
| 2 | 9.0 | 7.0 | 6.0 | 11.0 | 7.0 | 8.0 | 9.0 | 3.0 | 5.0 | 10.0 | 5.0 | 12.0 | 12.0 | 8.0 | 4.0 | 6.0 | 6.0 | 15.9 | 2.0 | 6.6 | 4.0 | 5.0 | 7.0 | 9.0 | 24 | 15.9 |
| 3 | 6.0 | 1.0 | 7.0 | 6.0 | 8.0 | 6.0 | 2.0 | 6.0 | 7.0 | 2.0 | 9.0 | 9.0 | 11.0 | 6.0 | 5.0 | 3.0 | 3.0 | 7.0 | -4.0 | 1.0 | 8.0 | .0 | 5.0 | 7.0 | 24 | 11.0 |
| 4 | 4.0 | 6.0 | 3.0 | 5.0 | 2.0 | .0 | 2.0 | 3.0 | 1.0 | -3.0 | 4.0 | 4.0 | 5.0 | 5.0 | -1.0 | .0 | 1.0 | -2.0 | -1.0 | 4.0 | 3.0 | 5.0 | 5.0 | 5.0 | 24 | 6.0 |
| 5 | 9.0 | 2.0 | .0 | 5.0 | 1.0 | 6.0 | .0 | 4.0 | 4.0 | 6.0 | 4.0 | 9.0 | 9.0 | 7.0 | 9.0 | 11.0 | 6.0 | 1.0 | 5.0 | 4.0 | 3.0 | 4.0 | 7.0 | 4.0 | 24 | 11.0 |
| 6 | 4.0 | 5.0 | 8.0 | 8.4 | 5.0 | 2.0 | 3.0 | 4.0 | 5.0 | 3.0 | 8.0 | 18.0 | 16.0 | 14.0 | 16.0 | 13.0 | 11.0 | 13.0 | 11.0 | 5.0 | 7.0 | 12.0 | 15.0 | 12.0 | 24 | 18.0 |
| 7 | 14.0 | 9.0 | 12.0 | 11.0 | 10.0 | 8.0 | 11.0 | 9.0 | 13.9 | 11.0 | 14.0 | 15.0 | 12.0 | 18.0 | 11.0 | 13.9 | -3.0 | 3.0 | 8.0 | 4.0 | 4.0 | 2.0 | 5.0 | 10.0 | 24 | 18.0 |
| 8 | 9.0 | 5.0 | 8.0 | 8.0 | 1.0 | -1.0 | .0 | 3.0 | -1.0 | .0 | 5.0 | 6.0 | 2.0 | 8.0 | 11.0 | 7.0 | 5.0 | 5.0 | 3.0 | 5.0 | 9.0 | 6.0 | 10.0 | 3.0 | 24 | 11.0 |
| 9 | 5.0 | 8.0 | 3.0 | 6.0 | 7.0 | 6.0 | 8.0 | 8.0 | 6.0 | 1.1 | 11.5 | 4.0 | 8.0 | 11.0 | 6.0 | 9.0 | 5.0 | 7.0 | 10.0 | 2.0 | 2.6 | 3.0 | 6.0 | 5.0 | 24 | 11.5 |
| 10 | 2.9 | 7.0 | 4.0 | 6.0 | 8.0 | 4.0 | 3.0 | 1.0 | 6.0 | 1.0 | 3.2 | 2.0 | 16.0 | 10.0 | -1.9 | 20.9 | 4.0 | 14.0 | 7.0 | 2.0 | 7.0 | 8.0 | 4.0 | 5.0 | 24 | 20.9 |
| 11 | 7.0 | 9.0 | 4.0 | 7.0 | 6.0 | 6.0 | 5.0 | 5.0 | AX | AX | AX | BA | BA | BA | BA | 12.9 | -3.9 | 5.9 | -2.0 | -1.9 | 1.0 | 2.0 | 3.2 | 5.0 | 17 | 12.9 |
| 12 | 5.2 | 3.0 | 9.0 | 9.0 | 4.0 | 3.0 | 10.0 | 5.0 | 6.0 | 8.0 | 11.0 | 9.0 | 9.0 | 4.0 | 2.0 | 7.0 | 4.0 | 5.0 | 1.0 | 2.0 | 6.0 | 4.2 | 9.0 | 7.0 | 24 | 11.0 |
| 13 | 6.0 | 8.0 | 5.0 | 8.0 | 3.0 | 9.0 | 8.0 | 6.0 | 6.0 | 11.0 | 9.0 | 7.0 | 7.0 | 6.0 | 6.0 | 6.0 | 5.0 | .0 | 4.0 | 5.0 | 6.0 | 2.0 | 5.0 | 8.0 | 24 | 11.0 |
| 14 | 5.0 | 6.9 | 7.0 | 6.1 | 7.0 | 7.0 | 7.0 | 3.0 | 2.0 | 9.9 | 11.0 | 11.0 | 18.9 | -4.8 | 4.9 | 3.9 | 7.0 | 2.0 | 3.0 | 1.7 | -1.0 | 5.0 | 7.0 | 6.0 | 24 | 18.9 |
| 15 | 4.0 | 6.0 | 5.0 | 6.0 | 6.0 | 5.9 | 5.0 | 5.0 | 6.0 | 11.0 | 12.0 | 10.0 | 7.1 | 8.0 | 6.9 | 5.0 | 4.0 | 1.0 | 3.0 | -1.0 | 5.0 | 8.0 | 4.0 | 8.0 | 24 | 12.0 |
| 16 | 6.0 | 5.0 | 8.0 | 5.0 | 7.0 | 3.4 | 7.0 | 6.0 | 2.0 | 8.0 | 10.0 | 11.0 | 7.0 | 10.0 | 6.0 | 5.0 | 3.0 | 3.0 | 3.9 | 1.0 | -1.0 | 4.0 | 6.0 | 8.0 | 24 | 11.0 |
| 17 | 5.0 | 7.0 | 4.0 | 6.0 | 9.0 | 5.0 | 4.0 | 5.0 | 7.0 | 9.0 | 14.0 | 9.0 | 10.0 | 12.0 | -4.8 | -1.9 | 2.0 | 6.0 | 7.0 | 5.0 | 7.0 | 7.0 | 2.0 | 2.0 | 24 | 14.0 |
| 18 | .0 | 3.0 | 2.0 | 1.0 | .0 | 3.0 | 1.0 | .0 | 3.0 | 5.0 | 2.0 | 6.0 | 2.0 | 3.0 | 1.1 | -2.0 | 2.0 | 5.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 5.0 | 24 | 6.0 |
| 19 | 2.0 | .0 | 4.0 | 1.0 | 1.0 | 4.0 | 4.0 | 1.0 | 4.0 | 4.0 | 2.0 | 8.9 | 7.0 | 9.0 | 5.0 | 1.0 | 2.0 | 2.0 | .0 | .0 | 3.0 | 1.0 | .0 | 3.0 | 24 | 9.0 |
| 20 | 3.0 | 7.0 | 9.0 | 8.0 | 6.0 | 6.0 | 3.0 | 1.0 | 4.0 | 4.0 | 5.0 | 9.0 | 3.1 | 11.9 | -4.8 | -.1 | 1.0 | 3.0 | -1.9 | -1.0 | 3.0 | -1.9 | 4.9 | 2.0 | 24 | 11.9 |
| 21 | 4.0 | 1.0 | 5.0 | -.9 | .0 | 1.0 | 1.0 | 1.0 | -3.0 | 4.9 | 7.0 | 9.0 | 5.0 | 5.0 | 7.0 | 1.1 | .0 | -4.9 | -2.0 | -1.0 | 2.0 | -2.0 | 1.0 | 1.0 | 24 | 9.0 |
| 22 | 3.0 | 3.0 | 3.0 | 1.0 | 2.0 | 2.0 | 4.0 | 1.0 | .0 | 3.0 | 5.4 | 7.0 | 8.0 | 3.1 | 3.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 2.0 | 6.0 | 5.0 | 6.0 | 24 | 8.0 |
| 23 | 5.0 | 7.0 | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 7.0 | 10.0 | 9.0 | 11.0 | 5.1 | 9.9 | 8.0 | 7.5 | 8.0 | 7.0 | 5.0 | 6.0 | 7.0 | 4.0 | 6.0 | 9.0 | 8.0 | 24 | 11.0 |
| 24 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 9.0 | 11.0 | 9.0 | 8.0 | 9.0 | 11.9 | AX | 8.3 | 4.9 | 11.9 | 12.0 | 13.0 | 10.1 | 9.0 | 7.0 | 7.0 | 6.0 | 8.0 | 5.0 | 23 | 13.0 |
| 25 | 9.9 | 12.0 | 8.1 | 8.0 | 11.9 | 13.0 | 8.1 | 4.6 | 6.0 | 9.0 | 9.0 | 13.9 | 12.0 | 11.0 | 7.1 | 8.0 | 6.0 | 5.0 | 4.0 | 2.9 | 6.0 | 5.0 | 6.0 | 7.9 | 24 | 13.9 |
| 26 | 8.0 | 8.0 | 6.0 | 9.9 | 6.1 | 3.1 | 6.0 | 2.2 | 5.0 | 8.9 | 13.9 | 11.0 | 13.0 | 8.1 | 10.0 | 7.0 | 5.0 | 6.0 | 5.0 | 6.0 | 9.0 | 7.0 | 9.0 | 9.0 | 24 | 13.9 |
| 27 | 9.0 | 11.0 | 9.0 | 9.0 | 7.0 | 9.0 | 6.0 | 4.0 | 7.0 | 14.9 | 18.0 | 19.0 | 15.1 | 9.1 | 14.9 | 5.2 | 10.9 | 10.0 | 7.0 | 7.0 | .8 | 3.9 | 2.0 | 4.0 | 24 | 19.0 |
| 28 | 7.9 | 3.2 | 6.0 | 6.0 | 8.0 | 5.0 | 8.9 | 2.1 | 5.0 | 2.0 | 10.9 | 15.9 | 19.0 | 12.1 | 11.5 | 12.8 | 6.2 | 7.0 | 8.0 | 10.0 | 12.0 | 8.1 | 11.3 | 15.9 | 24 | 19.0 |
| 29 | 10.1 | 10.0 | 13.9 | 11.0 | 8.0 | 7.0 | 10.9 | 6.1 | 9.0 | 14.9 | 12.0 | 16.9 | 13.1 | 12.0 | 14.9 | 15.0 | 8.1 | 11.0 | 8.1 | 7.0 | 8.0 | 12.9 | 8.1 | 12.9 | 24 | 16.9 |
| 30 | 13.0 | 12.0 | 13.0 | 13.0 | 8.1 | 10.0 | 12.0 | 8.1 | 9.0 | 14.9 | 15.0 | 16.5 | 13.1 | 12.0 | 13.0 | 13.0 | 9.1 | 7.0 | 7.6 | 8.0 | 10.9 | 12.0 | 12.0 | 12.0 | 24 | 16.5 |
| 31 | 13.0 | 9.1 | 11.9 | 12.0 | 10.0 | 10.0 | 12.4 | 12.0 | 7.1 | 9.0 | 16.9 | 16.0 | 16.0 | 15.0 | 17.9 | 14.1 | 7.1 | 9.9 | 9.0 | 11.9 | 8.1 | 11.9 | 5.2 | 11.9 | 24 | 17.9 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 29 | 29 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 14.0 | 12.0 | 13.9 | 13.0 | 11.9 | 13.0 | 12.4 | 12.0 | 13.9 | 14.9 | 18.0 | 19.0 | 19.0 | 18.0 | 17.9 | 20.9 | 13.0 | 15.9 | 11.0 | 11.9 | 12.0 | 12.9 | 15.0 | 15.9 | | |
| AVG: | 6.48 | 6.30 | 6.58 | 6.85 | 5.75 | 5.46 | 5.72 | 4.45 | 5.13 | 6.91 | 9.33 | 10.52 | 10.15 | 8.55 | 6.60 | 7.28 | 4.63 | 5.39 | 4.17 | 4.01 | 4.98 | 5.16 | 6.02 | 6.95 | | |

MONTHLY OBSERVATIONS: 734 MONTHLY MEAN: 6.36 MONTHLY MAX: 20.9

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-021-0034 POC: 3
COUNTY: (021) Buncombe
CITY: (02140) Asheville
SITE ADDRESS: 175 BINGHAM ROAD
SITE COMMENTS: Located in BOARD OF EDUCATION ADMINISTRATIVE COMPOUND
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0480) ASHEVILLE, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.6062000009
LONGITUDE: -82.5844
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 662.94
PROBE HEIGHT: 8

SUPPORT AGENCY: (0779) North Carolina Western Regional Air Pollution Control Agency
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: SEPTEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13.0 | 11.0 | 7.1 | 11.9 | 6.1 | 8.9 | 11.9 | 8.1 | 10.8 | 13.9 | 13.0 | 15.9 | 15.0 | 7.1 | 9.0 | -4.7 | 8.7 | 9.0 | 7.0 | 9.0 | 6.1 | 8.0 | 9.0 | 5.1 | 24 | 15.9 |
| 2 | 10.9 | 7.0 | 9.9 | 7.0 | 8.0 | 9.0 | 3.1 | 5.9 | 8.9 | 6.1 | 6.0 | 6.0 | 8.0 | 4.1 | 12.8 | 8.1 | 10.9 | 9.8 | 7.1 | 6.0 | 7.0 | 9.0 | 9.0 | 6.1 | 24 | 12.8 |
| 3 | 8.9 | 10.0 | 1.2 | 6.8 | 7.0 | 5.0 | 4.0 | 6.9 | 6.0 | 2.1 | 8.9 | 11.0 | 10.0 | 6.1 | 4.0 | 4.0 | 3.0 | .1 | 2.9 | 2.0 | 1.0 | 4.7 | 5.0 | 7.9 | 24 | 11.0 |
| 4 | 8.0 | 4.1 | 4.0 | 5.0 | 5.0 | 4.0 | 6.9 | 4.1 | 6.9 | 3.1 | 9.9 | 6.6 | 6.0 | 4.0 | 7.9 | 6.0 | 4.0 | 6.9 | 4.1 | 2.0 | 4.9 | 7.0 | 12.9 | 6.1 | 24 | 12.9 |
| 5 | 6.0 | 4.0 | 6.0 | 9.9 | 11.0 | 7.1 | 7.0 | 6.0 | 4.0 | 5.0 | 9.9 | 10.0 | 8.0 | 6.0 | 6.9 | .1 | 6.9 | 4.9 | 3.0 | -.9 | 4.9 | 6.7 | 7.0 | 8.0 | 24 | 11.0 |
| 6 | 8.0 | 8.0 | 5.1 | 7.0 | 8.0 | 2.1 | 4.0 | 3.0 | 3.0 | 4.0 | 9.9 | 11.0 | 12.0 | 9.1 | 10.0 | 11.0 | 7.1 | 8.0 | 7.0 | 6.0 | 7.0 | 14.8 | 14.0 | 14.0 | 24 | 14.8 |
| 7 | 14.0 | 11.1 | 10.0 | 10.0 | 9.0 | 8.0 | 6.0 | 8.9 | 1.2 | 6.9 | 12.9 | 11.0 | 11.0 | 10.0 | 11.0 | 9.0 | 6.2 | 7.0 | 3.1 | 5.0 | 3.0 | 10.8 | 11.0 | 11.0 | 24 | 14.0 |
| 8 | 11.0 | 11.0 | 8.1 | 10.9 | 5.1 | 6.0 | 7.0 | 7.0 | 8.0 | 10.9 | 9.0 | 10.0 | 13.9 | 8.1 | 13.9 | 9.1 | 5.1 | 10.5 | 7.1 | 6.0 | 9.0 | 12.9 | 12.0 | 13.0 | 24 | 13.9 |
| 9 | 12.0 | 12.0 | 11.0 | 11.0 | 9.0 | 11.0 | 10.0 | 6.1 | 9.9 | 12.0 | 11.0 | 15.9 | 15.0 | 12.1 | 10.0 | 12.9 | 8.1 | 10.0 | 10.8 | 9.0 | 14.9 | 17.0 | 18.0 | 21.9 | 24 | 21.9 |
| 10 | 17.1 | 15.0 | 15.0 | 17.0 | 17.0 | 11.1 | 13.0 | 13.0 | 7.1 | 12.9 | 16.9 | 19.0 | 16.1 | 9.7 | 14.9 | 16.0 | 15.0 | 8.2 | 9.0 | 11.0 | 13.9 | 15.0 | 14.0 | 16.9 | 24 | 19.0 |
| 11 | 11.1 | 12.0 | 12.0 | 7.1 | 6.0 | 3.1 | 5.0 | 3.0 | -3.3 | 3.8 | 1.1 | 4.9 | 5.0 | .1 | 1.9 | 4.0 | 3.1 | 3.0 | -1.9 | .9 | 2.0 | 7.9 | 7.0 | 5.1 | 24 | 12.0 |
| 12 | 5.0 | 7.0 | 4.1 | 2.1 | 4.9 | .1 | 1.0 | 4.9 | 3.1 | AX | BA | 10.9 | 11.0 | 12.0 | 12.3 | 13.0 | 4.2 | 5.9 | 3.5 | 8.9 | 7.1 | 7.0 | 8.0 | 9.0 | 22 | 13.0 |
| 13 | 10.0 | 8.1 | 7.0 | 10.9 | 10.0 | 11.0 | 10.0 | 6.1 | 9.9 | 4.2 | 9.9 | 9.0 | 12.9 | 10.1 | 7.1 | 8.9 | 4.1 | 5.0 | 5.0 | 4.0 | 7.9 | 9.9 | 10.0 | 11.9 | 24 | 12.9 |
| 14 | 9.1 | 10.9 | 7.5 | 7.0 | 5.1 | 8.9 | 5.1 | 6.9 | 10.0 | 7.1 | 13.9 | 11.1 | 10.0 | 7.1 | 8.9 | 6.1 | 10.9 | 2.2 | 4.7 | 5.0 | 6.9 | 10.9 | 9.1 | 10.9 | 24 | 13.9 |
| 15 | 9.1 | 7.0 | 9.9 | 7.9 | 9.0 | 7.1 | 7.0 | 5.1 | -1.8 | 4.8 | 10.8 | 7.1 | 10.9 | 8.1 | 7.0 | 5.1 | 6.0 | 3.1 | 3.0 | 2.0 | 3.0 | 6.9 | 8.0 | 6.1 | 24 | 10.9 |
| 16 | 7.2 | 9.9 | 9.0 | 10.0 | 7.1 | 9.9 | 12.9 | 13.0 | 14.0 | 17.9 | 17.0 | 15.1 | 14.0 | 17.9 | 14.1 | 14.0 | 6.2 | 7.9 | 11.9 | 13.9 | 18.9 | 17.1 | 13.1 | 13.0 | 24 | 18.9 |
| 17 | 14.0 | 13.0 | 14.9 | 12.1 | 13.0 | 13.0 | 14.9 | 12.1 | 9.1 | 13.9 | 13.0 | 8.1 | 11.9 | 7.1 | 8.0 | 7.0 | 1.2 | 7.8 | 4.1 | 6.9 | 7.0 | 7.0 | 7.0 | 9.9 | 24 | 14.9 |
| 18 | 10.0 | 9.0 | 9.0 | 10.9 | 7.1 | 6.0 | 7.9 | 10.9 | 4.2 | 3.0 | 7.9 | 6.1 | 7.9 | 7.0 | 6.0 | 3.1 | 4.9 | 5.0 | 7.9 | 3.1 | 6.9 | 8.0 | 6.1 | 4.1 | 24 | 10.9 |
| 19 | 3.0 | 1.1 | 2.0 | 4.9 | 4.0 | 5.9 | 2.1 | 2.0 | 3.9 | 5.0 | -.8 | 4.8 | 5.0 | 6.0 | 6.9 | 4.1 | 3.0 | 7.5 | 5.1 | 5.0 | 1.1 | 3.9 | 2.1 | 4.9 | 24 | 7.5 |
| 20 | 7.9 | 3.2 | 2.0 | 4.0 | 1.1 | 2.0 | 1.0 | 2.0 | 3.0 | .1 | 3.9 | 4.0 | 5.0 | 3.1 | 8.8 | 7.1 | 3.1 | 4.9 | -1.8 | 2.8 | 4.0 | 4.0 | 6.3 | 7.0 | 24 | 8.8 |
| 21 | 7.0 | 8.0 | 6.1 | 3.1 | 4.0 | 5.0 | 3.1 | 4.0 | -1.2 | 4.8 | 9.8 | 10.1 | 6.1 | 6.0 | 6.0 | 7.9 | .2 | 5.8 | -1.8 | -.1 | 1.0 | -.9 | 1.9 | 3.0 | 24 | 10.1 |
| 22 | 2.0 | 3.9 | 2.1 | 3.0 | 1.1 | 2.0 | 2.0 | 2.0 | 2.0 | -3.8 | 3.7 | 10.8 | 6.2 | 5.0 | 1.1 | 4.9 | -1.8 | 1.9 | 1.0 | 1.0 | .0 | 1.9 | 1.0 | 4.9 | 24 | 10.8 |
| 23 | 3.1 | 3.0 | 1.1 | 2.9 | 1.5 | 1.0 | -1.9 | 1.9 | 2.0 | -3.8 | 4.7 | 6.0 | 7.0 | 2.2 | 3.6 | .1 | 1.9 | 6.8 | 1.2 | 2.9 | 5.9 | 5.0 | 6.9 | 6.0 | 24 | 7.0 |
| 24 | 6.0 | 5.0 | 6.0 | 7.9 | 6.4 | 4.1 | 2.1 | 2.0 | 2.0 | 3.0 | 6.9 | 7.0 | 7.0 | 3.1 | 3.0 | 2.0 | 2.0 | 3.0 | -1.7 | 2.8 | 5.9 | 7.0 | 8.9 | 9.0 | 24 | 9.0 |
| 25 | 11.9 | 9.1 | 9.0 | 9.0 | 10.9 | 10.0 | 7.1 | 7.0 | .2 | 5.8 | 13.7 | 10.1 | 8.1 | 9.9 | 11.0 | 3.3 | 6.9 | 6.0 | 5.0 | 10.8 | 12.9 | 14.0 | 17.7 | 16.1 | 24 | 17.7 |
| 26 | 20.8 | 17.1 | 18.9 | 18.0 | 17.0 | 18.0 | 15.1 | 11.1 | 12.9 | 14.0 | 18.8 | 15.1 | 14.0 | 14.0 | 3.4 | 3.0 | 5.9 | 6.0 | 4.1 | 7.9 | 7.0 | 4.1 | 10.8 | 10.0 | 24 | 20.8 |
| 27 | 11.0 | 7.1 | 9.9 | 5.2 | 6.9 | 3.1 | 5.9 | 7.0 | 6.0 | 5.0 | 6.9 | 6.0 | 9.9 | 6.1 | 18.5 | 7.4 | 9.9 | 10.0 | 6.1 | 6.4 | 5.0 | 8.9 | 8.0 | 8.0 | 24 | 18.5 |
| 28 | 9.0 | 5.1 | 6.0 | 7.0 | 9.9 | 10.0 | 11.9 | 1.1 | 4.9 | 4.1 | 6.9 | 14.7 | 9.2 | 14.8 | 6.3 | 7.0 | 7.0 | 6.6 | 3.1 | 3.0 | 5.9 | 7.0 | 6.0 | 7.9 | 24 | 14.8 |
| 29 | 8.0 | 9.0 | 1.3 | 6.8 | .2 | 3.9 | 1.1 | 4.9 | 4.0 | 3.0 | 6.9 | 5.1 | 9.8 | 8.1 | 8.0 | 12.8 | 8.2 | 6.1 | 3.1 | 6.9 | 5.1 | 5.0 | 5.9 | 5.0 | 24 | 12.8 |
| 30 | 3.1 | 4.9 | 6.9 | 4.1 | 6.9 | 6.0 | 5.0 | 5.0 | AX | 1.0 | 1.0 | 2.9 | 5.9 | 7.0 | 4.1 | 6.8 | 5.1 | 4.0 | 5.9 | 5.0 | 3.2 | 6.9 | 6.2 | 5.0 | 23 | 7.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 20.8 | 17.1 | 18.9 | 18.0 | 17.0 | 18.0 | 15.1 | 13.0 | 14.0 | 17.9 | 18.8 | 19.0 | 16.1 | 17.9 | 18.5 | 16.0 | 15.0 | 10.5 | 11.9 | 13.9 | 18.9 | 17.1 | 18.0 | 21.9 | | |
| AVG: | 9.24 | 8.22 | 7.40 | 8.01 | 7.24 | 6.74 | 6.37 | 6.03 | 5.20 | 5.86 | 9.08 | 9.51 | 9.73 | 7.70 | 8.21 | 6.64 | 5.57 | 6.10 | 4.29 | 5.14 | 6.28 | 8.25 | 8.73 | 8.89 | | |

MONTHLY OBSERVATIONS: 717 MONTHLY MEAN: 7.27 MONTHLY MAX: 21.9

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-021-0034 POC: 3
COUNTY: (021) Buncombe
CITY: (02140) Asheville
SITE ADDRESS: 175 BINGHAM ROAD
SITE COMMENTS: Located in BOARD OF EDUCATION ADMINISTRATIVE COMPOUND
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0480) ASHEVILLE, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.6062000009
LONGITUDE: -82.5844
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 662.94
PROBE HEIGHT: 8

SUPPORT AGENCY: (0779) North Carolina Western Regional Air Pollution Control Agency
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: OCTOBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.0 | 5.0 | 8.8 | 8.0 | 4.1 | 5.0 | 1.1 | 3.9 | 3.1 | -4.7 | .8 | 6.8 | 5.1 | 6.9 | 6.0 | 3.1 | 6.9 | 8.9 | 1.3 | 2.0 | 6.7 | 8.9 | 9.0 | 7.1 | 24 | 9.0 |
| 2 | 7.0 | 10.9 | 8.1 | 9.9 | 9.0 | 10.6 | 6.2 | 4.1 | .2 | 2.9 | 3.0 | 11.7 | 6.2 | 3.1 | 5.9 | 2.8 | 4.9 | 4.0 | 6.9 | 4.1 | 9.8 | 5.2 | 6.9 | 6.0 | 24 | 11.7 |
| 3 | 8.9 | 6.1 | 7.8 | 5.1 | 7.7 | 1.2 | 2.9 | 2.0 | 2.0 | .1 | 3.8 | 6.9 | 8.9 | 10.9 | 9.1 | 10.0 | 10.0 | 3.3 | 3.0 | 6.8 | 7.0 | 8.0 | 7.0 | 10.8 | 24 | 10.9 |
| 4 | 8.1 | 8.0 | 7.0 | 6.0 | 7.0 | 6.0 | 6.3 | 7.0 | 9.9 | 7.1 | 9.9 | 10.0 | 9.0 | 9.0 | 7.1 | 8.9 | 3.2 | 7.9 | 7.0 | 6.0 | 10.8 | 6.2 | 8.9 | 8.0 | 24 | 10.8 |
| 5 | 7.0 | 10.8 | 6.2 | 6.0 | 6.0 | 7.9 | 9.0 | 5.2 | 5.0 | 6.9 | 8.0 | 6.1 | 4.1 | 7.0 | 9.9 | 8.0 | 5.1 | 6.0 | 2.2 | 5.8 | 6.0 | 4.1 | 2.1 | 3.9 | 24 | 10.8 |
| 6 | 4.0 | 3.0 | 4.9 | 6.0 | 5.0 | 4.0 | 4.0 | 4.0 | -1.8 | 3.8 | 8.8 | 6.1 | 8.9 | 8.0 | 4.2 | 3.0 | 4.9 | 3.3 | 1.1 | 3.9 | 3.0 | 5.9 | 5.0 | 5.0 | 24 | 8.9 |
| 7 | 3.1 | 2.0 | .1 | 1.0 | -1.9 | 1.0 | .0 | 1.9 | -2.8 | .8 | 1.0 | .0 | .9 | 2.9 | .1 | -1.9 | 1.9 | -.9 | -1.0 | .0 | .0 | 3.7 | .2 | -1.0 | 24 | 3.7 |
| 8 | 1.9 | 2.0 | 3.0 | 3.0 | .1 | -1.9 | -3.0 | -1.6 | -2.9 | -.1 | -1.9 | .9 | 2.9 | -.8 | -1.0 | 52.7 | .7 | 2.8 | 3.0 | 1.1 | 2.9 | 3.0 | .1 | 4.8 | 24 | 52.7 |
| 9 | 3.1 | 5.9 | .2 | 4.8 | 2.1 | 1.0 | 3.9 | .2 | 3.8 | .2 | 1.9 | -1.8 | -1.0 | 3.8 | 2.1 | 3.9 | .5 | 3.8 | 3.0 | 4.9 | 3.1 | 3.0 | 1.1 | 6.7 | 24 | 6.7 |
| 10 | 4.1 | 4.9 | 2.1 | 5.8 | 6.0 | -.7 | .0 | 1.0 | 1.0 | 6.7 | -1.6 | 5.7 | 3.1 | .1 | 4.8 | 5.0 | 2.1 | 3.9 | .2 | 2.9 | 4.9 | 4.0 | 5.0 | 4.0 | 24 | 6.7 |
| 11 | 2.1 | 6.8 | 6.0 | 4.1 | 3.0 | 5.9 | 1.2 | 3.9 | 4.0 | 1.1 | 1.0 | 6.7 | 4.1 | 5.0 | 5.0 | 6.0 | 2.2 | 5.8 | 2.2 | .1 | 6.3 | 5.1 | 8.8 | 7.1 | 24 | 8.8 |
| 12 | 9.9 | 4.9 | 5.9 | 7.9 | 8.0 | 7.0 | 6.0 | 3.1 | -.8 | 2.8 | -.8 | 3.8 | 5.9 | 5.0 | 7.9 | 3.2 | 4.0 | 5.0 | 3.1 | 4.9 | 8.8 | 9.0 | 8.0 | 9.0 | 24 | 9.9 |
| 13 | 8.0 | 7.0 | 6.0 | 7.9 | 5.1 | 6.9 | 5.1 | 4.0 | 3.0 | 2.0 | .1 | 8.6 | 8.2 | 12.8 | 11.1 | 8.1 | 4.2 | 10.7 | 5.3 | 8.8 | 10.9 | 11.0 | 11.0 | 11.0 | 24 | 12.8 |
| 14 | 12.0 | 15.8 | 15.0 | 11.2 | 6.2 | 8.9 | 10.9 | 12.0 | 9.1 | 6.1 | 3.1 | 5.9 | 9.8 | 7.1 | 6.0 | 7.0 | 8.0 | 4.2 | 7.8 | 8.0 | 7.0 | 7.0 | 8.9 | 8.0 | 24 | 15.8 |
| 15 | 8.0 | 8.0 | 10.9 | 6.2 | 11.7 | 6.3 | 6.0 | 8.9 | 5.2 | 7.9 | 10.9 | 12.9 | 10.1 | 9.0 | 6.1 | 7.0 | 6.0 | 8.9 | 10.0 | 6.2 | 8.9 | 10.0 | 14.8 | 12.1 | 24 | 14.8 |
| 16 | 9.1 | 10.9 | 9.1 | 11.9 | 12.0 | 9.1 | 8.1 | 8.0 | 10.1 | 11.9 | 8.2 | 9.0 | 7.1 | 9.9 | 6.9 | 5.1 | 5.0 | 5.3 | 6.0 | 7.0 | 6.0 | 8.9 | 6.1 | 11.7 | 24 | 12.0 |
| 17 | 9.1 | 9.0 | 13.8 | 10.2 | 8.1 | 7.0 | 7.0 | 7.0 | 5.9 | .3 | 10.5 | 15.8 | 15.0 | 10.2 | 6.2 | 5.0 | 6.9 | 6.0 | 3.1 | 2.0 | 3.0 | 4.9 | 6.0 | 5.0 | 24 | 15.8 |
| 18 | 6.0 | 7.9 | 9.0 | 6.1 | 4.1 | 5.0 | 7.9 | 6.1 | AX | BA | 13.1 | 10.2 | 11.0 | 5.3 | 4.0 | 3.0 | 2.0 | 4.9 | 4.0 | 5.0 | 10.7 | 9.1 | 11.9 | 8.2 | 22 | 13.1 |
| 19 | 9.0 | 6.9 | 5.1 | 5.0 | 6.9 | 6.0 | 7.4 | 6.1 | 3.1 | 6.8 | 7.0 | 10.8 | 7.2 | 5.1 | 3.1 | 6.8 | 10.8 | 5.3 | 6.9 | 7.0 | 8.9 | 10.9 | 8.1 | 9.0 | 24 | 10.9 |
| 20 | 8.0 | 7.0 | 11.8 | 6.3 | 7.0 | 7.0 | 7.0 | 8.9 | 3.3 | 9.7 | 13.8 | 14.0 | 10.2 | 9.0 | 6.1 | 1.2 | 10.5 | 6.2 | 6.0 | 5.0 | 8.8 | 6.1 | 9.8 | 8.1 | 24 | 14.0 |
| 21 | 7.0 | 8.9 | 8.0 | 9.9 | 9.0 | 10.0 | 9.0 | -2.4 | -3.0 | -1.1 | .0 | 1.9 | -3.7 | -1.1 | 5.7 | .3 | 1.0 | 5.8 | -.7 | .9 | 1.0 | 3.8 | 1.0 | -.9 | 24 | 10.0 |
| 22 | .9 | 5.8 | 3.1 | 4.0 | .2 | 1.9 | 1.0 | 3.9 | 2.1 | -3.7 | 2.7 | .1 | -3.8 | 6.5 | 3.2 | 2.0 | 3.0 | 4.9 | 1.2 | -.9 | 3.8 | 1.1 | 2.9 | 4.9 | 24 | 6.5 |
| 23 | 3.1 | 1.1 | 2.9 | 1.1 | 4.8 | 2.1 | 3.9 | 3.0 | -3.7 | -.2 | 3.8 | 2.1 | 4.8 | 1.2 | 1.0 | 3.8 | 2.1 | 4.8 | 3.1 | 3.0 | 4.9 | 10.7 | 11.0 | 11.0 | 24 | 11.0 |
| 24 | 14.8 | 11.2 | 8.2 | 8.9 | 5.2 | 8.8 | 2.4 | 3.9 | 3.1 | 2.1 | 6.7 | 3.2 | 6.8 | 6.1 | 6.0 | 6.0 | 6.0 | 6.0 | 4.1 | 4.9 | 5.0 | 8.8 | 8.1 | 7.1 | 24 | 14.8 |
| 25 | 6.1 | 7.9 | 10.8 | 6.3 | 8.8 | 6.2 | 6.0 | 6.0 | .3 | 4.7 | 7.5 | 6.1 | 6.9 | 8.9 | 7.1 | 7.0 | 7.9 | 4.9 | 5.0 | 6.9 | 6.1 | 9.8 | 5.3 | 10.7 | 24 | 10.8 |
| 26 | 9.1 | 11.8 | 8.2 | 8.9 | 9.9 | 8.3 | 8.0 | 8.9 | 2.4 | 4.8 | 6.9 | 4.2 | 6.8 | 9.8 | 11.9 | 8.2 | 6.1 | 7.9 | 7.1 | 7.9 | 10.8 | 6.3 | 8.8 | 8.1 | 24 | 11.9 |
| 27 | 7.6 | 12.7 | 12.1 | 13.9 | 10.2 | 10.0 | 12.8 | 12.1 | 10.1 | 7.2 | 7.0 | 7.9 | 9.9 | 9.1 | 7.1 | 8.9 | 7.1 | 7.0 | 7.9 | 8.9 | 11.8 | 12.0 | 16.7 | 16.1 | 24 | 16.7 |
| 28 | 14.1 | 11.2 | 12.9 | 12.1 | 12.9 | 10.2 | 10.9 | 9.1 | 6.2 | 14.5 | 19.7 | 12.4 | 11.1 | 8.2 | 3.3 | 3.9 | 3.1 | 4.9 | 3.1 | 2.1 | 8.6 | 12.8 | 16.8 | 16.0 | 24 | 19.7 |
| 29 | 17.9 | 14.2 | 17.8 | 12.3 | 8.2 | 7.1 | 7.9 | 8.9 | 3.3 | 4.9 | 6.9 | 9.8 | 12.8 | 9.2 | 8.1 | 8.0 | 6.1 | 9.8 | 6.2 | 6.0 | 7.9 | 15.6 | 16.9 | 21.7 | 24 | 21.7 |
| 30 | 17.3 | 17.0 | 21.7 | 20.1 | 18.1 | 13.3 | 12.1 | 12.9 | 6.4 | 4.1 | 7.8 | 6.1 | 14.5 | 6.5 | 9.8 | 7.2 | 7.0 | 5.1 | 5.0 | 3.1 | 5.8 | 5.1 | 8.8 | 10.9 | 24 | 21.7 |
| 31 | 8.2 | 10.8 | 15.7 | 16.9 | 14.2 | 14.9 | 13.0 | 12.0 | 5.4 | 12.6 | 10.2 | 16.6 | 16.0 | 9.4 | 8.1 | 6.1 | 9.8 | 6.2 | 6.0 | 7.9 | 8.9 | 9.9 | 12.6 | 11.1 | 24 | 16.9 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 17.9 | 17.0 | 21.7 | 20.1 | 18.1 | 14.9 | 13.0 | 12.9 | 10.1 | 14.5 | 19.7 | 16.6 | 16.0 | 12.8 | 11.9 | 52.7 | 10.8 | 10.7 | 10.0 | 8.9 | 11.8 | 15.6 | 16.9 | 21.7 | | |
| AVG: | 7.76 | 8.24 | 8.46 | 7.96 | 7.05 | 6.32 | 5.94 | 5.61 | 3.10 | 4.07 | 5.80 | 7.11 | 7.06 | 6.55 | 5.87 | 6.75 | 5.13 | 5.57 | 4.16 | 4.59 | 6.71 | 7.42 | 7.99 | 8.43 | | |

MONTHLY OBSERVATIONS: 742 MONTHLY MEAN: 6.41 MONTHLY MAX: 52.7

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-021-0034 POC: 3
COUNTY: (021) Buncombe
CITY: (02140) Asheville
SITE ADDRESS: 175 BINGHAM ROAD
SITE COMMENTS: Located in BOARD OF EDUCATION ADMINISTRATIVE COMPOUND
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0480) ASHEVILLE, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.6062000009
LONGITUDE: -82.5844
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 662.94
PROBE HEIGHT: 8

SUPPORT AGENCY: (0779) North Carolina Western Regional Air Pollution Control Agency
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: NOVEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10.1 | 11.9 | 11.9 | 13.9 | 10.2 | 13.8 | 12.1 | 15.8 | 15.1 | 16.9 | 12.3 | 16.7 | 17.9 | 13.3 | 12.1 | 12.0 | 9.6 | 7.1 | 9.8 | 11.9 | 12.9 | 13.9 | 12.1 | 14.8 | 24 | 17.9 |
| 2 | 14.1IT | 15.9IT | 11.3IT | 13.8IT | 16.8IT | 15.1IT | 14.1IT | 15.9IT | 18.8IT | 16.2IT | 23.6IT | 17.4IT | 15.1IT | 15.0IT | 11.7IT | 9.2IT | 14.7IT | 7.4IT | 6.1IT | 6.9IT | 7.9IT | 8.0IT | 8.9IT | 9.0IT | 24 | 23.6 |
| 3 | 12.8 | 16.8 | 12.3 | 13.9 | 10.2 | 10.9 | 9.1 | 9.9 | 9.1 | AX | BA | 15.8 | 12.3 | 9.2 | 9.0 | 9.9 | 10.0 | 8.1 | 8.0 | 8.0 | 7.1 | 8.9 | 9.9 | 10.0 | 22 | 16.8 |
| 4 | 10.9 | 11.0 | 6.3 | 9.8 | 7.2 | 3.2 | 3.0 | 4.9 | .3 | 2.8 | 4.9 | 5.9 | 3.2 | 2.1 | 2.9 | 3.0 | 3.9 | 3.1 | 3.9 | 4.9 | 3.1 | 4.9 | 5.0 | 4.1 | 24 | 11.0 |
| 5 | 4.0 | 5.9 | 1.3 | 9.5 | 3.4 | 3.0 | 3.9 | 5.9 | 2.2 | 3.9 | 5.9 | 2.2 | 5.8 | 9.8 | 3.4 | 5.8 | 3.2 | 3.9 | 1.2 | 2.9 | 3.9 | 7.8 | 17.4 | 18.9 | 24 | 18.9 |
| 6 | 17.2IT | 22.7IT | 20.2IT | 16.2IT | 17.9IT | 11.4IT | 10.1IT | 9.1IT | 7.1IT | 5.1IT | 4.1IT | 7.8IT | 10.8IT | 11.0IT | 15.7IT | 23.5IT | 15.5IT | 13.1IT | 11.1IT | 13.8IT | 15.9IT | 19.5IT | 19.6IT | 18.1IT | 24 | 23.5 |
| 7 | 20.8IT | 18.2IT | 21.8IT | 22.9IT | 22.1IT | 21.1IT | 18.2IT | 19.9IT | 14.4IT | 15.9IT | 16.9IT | 29.2IT | 28.1IT | 17.6IT | 11.4IT | 6.6IT | 6.9IT | 23.9IT | 71.1IT | 33.5IT | 12.2IT | 23.2IT | 26.8IT | 25.1IT | 24 | 71.1 |
| 8 | 16.5IT | 14.1IT | 15.9IT | 11.3IT | 13.8IT | 8.4IT | 12.2IT | 9.2IT | 6.2IT | 9.8IT | 18.5IT | 11.5IT | 7.2IT | 11.7IT | 43.0IT | 44.1IT | 55.3IT | 81.4IT | 83.9IT | 85.9IT | 79.2IT | 78.2IT | 84.6IT | 81.2IT | 24 | 85.9 |
| 9 | 79.1IT | 77.3IT | 71.4IT | 67.2IT | 65.1IT | 61.2IT | 46.0IT | 34.7IT | 31.2IT | 16.9IT | 9.4IT | 6.2IT | 6.0IT | 6.9IT | 5.1IT | 2.2IT | 1.1IT | 7.6IT | 6.1IT | 2.2IT | 2.0IT | 4.8IT | 3.1IT | 1.1IT | 24 | 79.1 |
| 10 | 2.2 | 3.0 | 3.9 | 6.8 | 4.2 | 4.0 | 2.1 | 5.8 | -2.5 | .9 | 6.7 | 2.3 | .1 | .9 | 1.9 | 2.0 | 2.0 | -.8 | -1.0 | -1.9 | 3.6 | 1.2 | 1.9 | 3.9 | 24 | 6.8 |
| 11 | 2.1 | 2.9 | 3.9 | 4.0 | 6.8 | 6.1 | 4.1 | 10.6 | 4.4 | 4.0 | 8.7 | 5.2 | 3.1 | 1.1 | 1.9 | 3.9 | 9.6 | 8.1 | 7.1 | 8.9 | 8.1 | 12.7 | 15.8 | 9.4 | 24 | 15.8 |
| 12 | 7.1IT | 8.9IT | 5.2IT | 7.8IT | 7.1IT | 7.9IT | 9.9IT | 7.2IT | 5.1IT | 8.8IT | 5.2IT | 5.9IT | 7.9IT | 13.6IT | 56.2IT | 110.6IT | 120.6IT | 131.3IT | 132.0IT | 219.6IT | 166.8IT | 141.4IT | 93.1IT | 105.0IT | 24 | 219.6 |
| 13 | 142.6IT | 144.1IT | 145.9IT | 134.7IT | 129.3IT | 122.4IT | 100.4IT | 116.8IT | 106.7IT | 69.4IT | 84.8IT | 65.4IT | 67.7IT | 62.4IT | 47.0IT | 46.0IT | 48.8IT | 49.9IT | 46.2IT | 66.6IT | 66.1IT | 73.7IT | 76.8IT | 76.1IT | 24 | 145.9 |
| 14 | 79.8IT | 84.7IT | 84.1IT | 84.9IT | 85.0IT | 74.7IT | 69.3IT | 64.3IT | 52.8IT | 58.6IT | 63.7IT | 76.2IT | 51.7IT | 39.7IT | 48.4IT | 52.8IT | 52.1IT | 68.9IT | 85.0IT | 93.5IT | 74.5IT | 59.9IT | 70.1IT | 82.2IT | 24 | 93.5 |
| 15 | 83.0IT | 85.8IT | 86.9IT | 83.3IT | 82.1IT | 82.0IT | 73.6IT | 77.7IT | 73.3IT | 65.5IT | 60.3IT | 55.1IT | 59.7IT | 47.8IT | 33.9IT | 21.8IT | 17.3IT | 17.9IT | 19.9IT | 22.8IT | 21.4IT | 21.9IT | 25.8IT | 24.1IT | 24 | 86.9 |
| 16 | 31.5IT | 25.4IT | 30.6IT | 31.0IT | 28.2IT | 30.0IT | 30.0IT | 28.1IT | 25.2IT | 24.1IT | 20.3IT | 20.0IT | 12.5IT | 10.1IT | 12.8IT | 9.3IT | 7.1IT | 6.1IT | 7.9IT | 10.8IT | 7.3IT | 11.7IT | 12.9IT | 15.8IT | 24 | 31.5 |
| 17 | 10.4 | 9.1 | 15.5 | 14.1 | 14.0 | 13.1 | 14.9 | 12.2 | 9.2 | 10.9 | 7.3 | 7.9 | 12.7 | 4.6 | 6.5 | 6.0 | 2.3 | .1 | .9 | 2.9 | 9.5 | 10.0 | 9.1 | 12.7 | 24 | 15.5 |
| 18 | 19.5IT | 33.1IT | 28.4IT | 30.8IT | 26.3IT | 24.1IT | 25.9IT | 26.8IT | 18.6IT | 21.7IT | 25.7IT | 19.5IT | 18.1IT | 25.5IT | 20.4IT | 12.5IT | 6.4IT | 30.3IT | 67.5IT | 49.9IT | 42.4IT | 40.1IT | 39.1IT | 38.1IT | 24 | 67.5 |
| 19 | 41.7IT | 45.7IT | 43.7IT | 44.9IT | 45.0IT | 40.3IT | 41.9IT | 39.6IT | 29.7IT | 32.7IT | 5.9IT | 1.2IT | 6.6IT | 2.3IT | -.8IT | 4.7IT | 7.8IT | 2.4IT | 3.9IT | .3IT | .0IT | -.9IT | 2.7IT | .2IT | 24 | 45.7 |
| 20 | 4.7 | 3.1 | 3.0 | 2.1 | 2.9 | 2.1 | 3.9 | 2.1 | -1.7 | -.1 | 3.7 | 4.0 | 4.0 | 2.1 | .1 | .0 | .9 | .1 | 2.8 | 2.1 | 2.9 | .2 | 4.6 | 5.9 | 24 | 5.9 |
| 21 | 2.3 | .1 | 1.9 | 2.0 | 2.1 | 2.0 | 3.9 | 3.1 | 3.0 | 4.8 | 4.1 | 1.2 | 3.8 | AX | BA | BA | 1.7 | 2.0 | -.8 | 4.0 | 3.1 | 3.0 | 3.9 | 4.9 | 21 | 4.9 |
| 22 | 9.7IT | 7.2IT | 10.7IT | 7.3IT | 6.1IT | 7.9IT | 5.2IT | 6.9IT | 1.4IT | 3.8IT | 12.3IT | 4.6IT | 4.9IT | 4.1IT | 5.9IT | 14.4IT | 49.5IT | 129.4IT | 266.5IT | 228.4IT | 186.8IT | 119.7IT | 124.3IT | 98.3IT | 24 | 266.5 |
| 23 | 76.4IT | 68.5IT | 65.2IT | 75.3IT | 84.4IT | 76.6IT | 66.7IT | 54.8IT | 67.0IT | 83.3IT | 94.3IT | 56.8IT | 32.6IT | 113.0IT | 188.0IT | 127.8IT | 69.9IT | 13.8IT | 11.9IT | 64.2IT | 18.6IT | 14.1IT | 21.5IT | 21.1IT | 24 | 188.0 |
| 24 | 41.5IT | 62.6IT | 37.0IT | 11.7IT | 9.1IT | 14.6IT | 11.3IT | 8.2IT | 10.8IT | 10.1IT | 16.5IT | 15.1IT | 15.9IT | 21.6IT | 9.9IT | 5.3IT | 3.1IT | 2.1IT | 3.9IT | 4.9IT | 7.8IT | 11.7IT | 9.2IT | 9.9IT | 24 | 62.6 |
| 25 | 10.0 | 10.9 | 14.7 | 15.0 | 11.3 | 11.0 | 11.9 | 10.1 | 11.9 | 13.9 | 16.8 | 13.3 | 12.1 | 11.1 | 7.3 | 9.8 | 6.3 | 6.9 | 7.0 | 9.8 | 10.0 | 12.8 | 12.1 | 9.2 | 24 | 16.8 |
| 26 | 9.0 | 8.1 | 4.3 | 7.7 | 8.0 | 10.8 | 9.1 | 6.2 | 8.8 | 10.9 | 10.7 | 9.1 | 9.9 | 6.3 | 6.0 | 6.0 | 7.9 | 9.9 | 11.6 | 10.1 | 10.9 | 11.0 | 11.0 | 13.8 | 24 | 13.8 |
| 27 | 10.3IT | 10.9IT | 11.0IT | 13.8IT | 12.1IT | 14.8IT | 10.4IT | 12.8IT | 10.2IT | 10.0IT | 21.2IT | 13.6IT | 13.9IT | 20.5IT | 25.6IT | 39.0IT | 83.7IT | 95.4IT | 75.6IT | 52.6IT | 38.0IT | 53.7IT | 58.7IT | 49.7IT | 24 | 95.4 |
| 28 | 52.7IT | 40.0IT | 36.2IT | 45.3IT | 50.6IT | 53.8IT | 60.5IT | 50.8IT | 45.4IT | 46.9IT | 43.3IT | 83.9IT | 34.1IT | 8.6IT | 5.1IT | 6.9IT | 8.9IT | 7.1IT | 5.1IT | 6.9IT | 8.9IT | 9.0IT | 9.0IT | 6.2IT | 24 | 83.9 |
| 29 | 6.9 | 5.1 | 3.1 | -.7 | 1.8 | 3.9 | 3.1 | .2 | 4.6 | 2.2 | 2.9 | 2.1 | -.8 | 2.7 | 3.9 | 4.0 | 4.9 | 5.9 | 1.4 | 5.6 | 5.1 | 3.1 | 4.9 | 5.0 | 24 | 6.9 |
| 30 | 9.6 | 2.6 | 3.9 | .3 | 2.8 | 3.9 | 4.0 | 6.8 | 5.1 | 5.9 | 4.1 | 3.1 | 3.0 | 3.0 | 4.9 | 6.9 | .5 | .9 | -1.8 | 1.7 | 2.9 | 3.0 | 1.1 | 1.0 | 24 | 9.6 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 30 | 30 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 142.6 | 144.1 | 145.9 | 134.7 | 129.3 | 122.4 | 100.4 | 116.8 | 106.7 | 83.3 | 94.3 | 83.9 | 67.7 | 113.0 | 188.0 | 127.8 | 120.6 | 131.3 | 266.5 | 228.4 | 186.8 | 141.4 | 124.3 | 105.0 | | |
| AVG: | 27.95 | 28.52 | 27.05 | 26.69 | 26.20 | 25.14 | 23.03 | 22.55 | 19.78 | 19.86 | 21.18 | 19.27 | 16.00 | 17.16 | 20.66 | 20.90 | 21.05 | 24.78 | 31.79 | 34.46 | 27.96 | 26.07 | 26.50 | 25.83 | | |

MONTHLY OBSERVATIONS: 715 MONTHLY MEAN: 24.21 MONTHLY MAX: 266.5

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-021-0034 POC: 3
COUNTY: (021) Buncombe
CITY: (02140) Asheville
SITE ADDRESS: 175 BINGHAM ROAD
SITE COMMENTS: Located in BOARD OF EDUCATION ADMINISTRATIVE COMPOUND
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0480) ASHEVILLE, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.6062000009
LONGITUDE: -82.5844
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 662.94
PROBE HEIGHT: 8

SUPPORT AGENCY: (0779) North Carolina Western Regional Air Pollution Control Agency
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: DECEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.7 | 3.1 | 4.9 | 6.9 | 3.3 | .2 | 3.7 | 3.1 | 3.0 | 1.1 | 1.9 | 1.1 | 3.8 | 2.1 | 2.0 | 1.1 | 1.0 | 4.7 | 3.1 | 3.0 | 3.0 | 3.0 | 3.9 | 4.9 | 24 | 6.9 |
| 2 | 4.1 | 3.1 | 3.9 | 3.1 | 4.9 | .4 | 4.6 | 2.2 | .1 | 2.8 | 3.0 | .9 | .1 | .9 | 2.9 | -.7 | 1.8 | 2.9 | 3.9 | 2.1 | 2.0 | 2.0 | 2.3 | 2.9 | 24 | 4.9 |
| 3 | 5.8 | 3.2 | 2.1 | 1.1 | 1.9 | 2.9 | 3.0 | 3.0 | 2.1 | 6.6 | 5.1 | 6.9 | 10.7 | 5.4 | 5.0 | 6.9 | 8.9 | 6.2 | 2.3 | 2.4 | 3.9 | 6.8 | 6.1 | 9.7 | 24 | 10.7 |
| 4 | 9.1 | 9.0 | 10.9 | 11.8 | 11.1 | 11.9 | 9.2 | 6.2 | 7.9 | 2.4 | 2.0 | 2.0 | 2.0 | 1.1 | -2.0 | .8 | 1.0 | 1.0 | 1.9 | 2.0 | 3.8 | 1.2 | .1 | -.9 | 24 | 11.9 |
| 5 | 1.8 | 1.1 | 2.9 | 4.8 | .6 | .9 | 1.0 | 1.0 | -1.8 | .8 | 1.9 | -2.6 | -2.1 | 2.6 | -.7 | -.1 | -1.8 | 3.5 | 7.7 | 6.7 | 14.4 | 8.5 | 4.3 | 3.1 | 24 | 14.4 |
| 6 | .2 | .9 | 2.8 | 2.1 | -2.6 | .7 | -1.8 | .8 | -2.7 | -1.2 | 2.7 | -4.7 | -1.3 | -.1 | -2.8 | -3.0 | 3.5 | 2.2 | 4.8 | 5.0 | 7.8 | 5.2 | 3.2 | 2.1 | 24 | 7.8 |
| 7 | .2 | 1.0 | -4.7 | -3.2 | -.2 | 1.8 | -1.7 | .0 | -1.8 | -.2 | 1.8 | -.2 | -3.6 | 3.3 | AX | BA | 3.8 | 4.0 | 1.2 | 2.8 | 2.1 | 2.0 | 6.6 | 7.9 | 22 | 7.9 |
| 8 | 3.4 | 4.8 | 3.2 | 3.0 | 5.8 | 3.2 | 5.8 | 7.8 | 4.3 | 2.2 | 3.8 | 2.2 | .2 | 2.8 | .2 | -.9 | .8 | 3.8 | -.6 | 1.8 | 2.9 | 3.0 | 3.0 | 2.1 | 24 | 7.8 |
| 9 | -.8 | -1.7 | -.1 | 2.3 | 3.0 | 2.1 | 2.0 | 2.9 | .2 | 2.8 | 2.1 | 3.8 | 3.1 | 3.9 | 3.9 | 4.9 | 5.0 | 6.8 | 4.2 | 5.8 | 5.1 | 6.8 | 7.0 | 9.7 | 24 | 9.7 |
| 10 | 10.0 | 12.0 | 10.2 | 15.5 | 11.4 | 9.2 | 10.8 | 9.2 | 8.1 | 8.9 | 9.0 | 7.2 | 6.1 | 2.3 | 2.0 | 2.0 | -.8 | 4.5 | 6.8 | 3.3 | 6.7 | 12.5 | 15.8 | 16.9 | 24 | 16.9 |
| 11 | 8.7 | 15.4 | 7.7 | 11.6 | 9.1 | 9.0 | 4.4 | 12.3 | 8.4 | 6.3 | 10.8 | 8.3 | 8.0 | 10.8 | 10.1 | 7.2 | 7.9 | 8.0 | 8.5 | 7.1 | 3.3 | 4.8 | 5.0 | 4.1 | 24 | 15.4 |
| 12 | 5.9 | 7.8 | 7.1 | 4.2 | 6.8 | 1.5 | 2.8 | 5.8 | 6.9 | .6 | .9 | 2.8 | 4.8 | .4 | 2.8 | 1.2 | .1 | .9 | 3.8 | 4.0 | 5.8 | 3.2 | 4.8 | 6.8 | 24 | 7.8 |
| 13 | 12.5 | 8.4 | 8.9 | 6.2 | .5 | 3.6 | 5.8 | 4.2 | 7.7 | 9.8 | 4.5 | .3 | 5.5 | 4.2 | 4.0 | 4.0 | 8.6 | 12.7 | 11.2 | 10.1 | 12.8 | 6.6 | 8.8 | 9.0 | 24 | 12.8 |
| 14 | .7 | .9 | 1.9 | -.8 | -2.8 | .7 | .1 | 4.6 | 3.2 | 6.7 | 4.2 | .3 | 4.6 | 3.2 | 3.9 | 3.1 | 2.1 | 4.8 | 4.1 | 9.5 | 12.8 | 12.1 | 12.0 | 15.7 | 24 | 15.7 |
| 15 | 12.3 | 8.3 | 7.1 | 5.2 | 3.2 | 5.8 | 5.1 | 5.9 | 3.2 | 6.7 | 5.2 | .4 | .9 | 1.9 | 1.8 | 3.8 | 1.2 | 4.7 | 4.1 | -2.4 | .7 | 2.8 | 4.8 | 8.7 | 24 | 12.3 |
| 16 | 7.2 | 5.2 | 3.2 | 6.7 | 8.7 | 6.2 | 6.0 | 6.0 | 1.4 | 1.0 | 2.5 | 2.1 | 3.8 | 3.1 | 2.1 | 2.9 | 2.1 | 4.8 | 5.0 | 4.1 | 6.6 | 6.1 | 10.6 | 11.0 | 24 | 11.0 |
| 17 | 8.2 | 5.2 | 7.8 | 8.0 | 7.1 | 5.2 | 9.6 | 8.2 | 10.8 | 7.3 | 7.8 | 8.0 | 6.2 | 2.3 | 1.1 | 6.5 | 3.3 | 3.0 | .2 | -.9 | 2.7 | 2.1 | 6.6 | 9.1 | 24 | 10.8 |
| 18 | 7.2 | 4.9 | 2.2 | 4.8 | 1.3 | 1.9 | 2.9 | 3.0 | -.7 | 6.3 | 2.4 | -.7 | 2.7 | -1.6 | -1.1 | 1.7 | -4.4 | .5 | -4.5 | -4.1 | -2.2 | -.8 | 1.8 | 2.9 | 24 | 7.2 |
| 19 | 1.2 | 3.7 | 1.3 | 1.9 | 2.0 | 2.9 | 4.8 | 5.0 | 7.7 | 3.4 | 4.8 | .4 | 2.7 | 1.2 | 9.2 | 5.4 | 6.8 | 7.9 | 6.2 | 6.9 | 7.0 | 7.9 | 8.6 | 8.1 | 24 | 9.2 |
| 20 | 10.7 | 10.1 | 10.9 | 11.0 | 9.2 | 8.1 | 5.3 | 8.7 | 11.7 | 11.1 | 7.3 | 7.9 | 10.7 | 9.2 | 8.1 | 12.6 | 9.3 | 9.9 | 8.2 | 5.9 | 6.9 | 5.2 | 11.4 | 11.1 | 24 | 12.6 |
| 21 | 10.1 | 8.2 | 10.7 | 7.3 | 7.0 | 7.9 | 3.4 | 3.0 | 2.1 | 3.8 | 10.4 | 5.5 | 5.0 | 3.2 | AX | AX | 6.0 | 6.9 | 3.3 | 4.8 | 10.4 | 6.4 | 6.9 | 7.9 | 22 | 10.7 |
| 22 | 8.0 | 8.0 | 10.7 | 8.2 | 12.5 | 13.9 | 14.9 | 9.5 | 6.2 | 2.3 | 5.6 | 6.4 | 8.8 | 7.1 | 4.2 | 5.8 | 8.7 | 8.0 | 5.2 | 5.9 | 8.7 | 6.2 | 7.8 | 9.8 | 24 | 14.9 |
| 23 | 9.0 | 5.3 | 6.9 | 8.8 | 9.9 | 7.2 | 7.9 | 6.1 | 9.6 | 4.5 | 4.0 | 4.9 | 4.0 | 4.9 | 6.8 | AV | AV | AV | 3.2 | 6.7 | 5.1 | 8.6 | 11.7 | 12.0 | 21 | 12.0 |
| 24 | 10.1 | 5.5 | 5.7 | 5.9 | 9.6 | 8.1 | 9.8 | 9.0 | 10.8 | 8.2 | 12.5 | 13.9 | 14.9 | 12.2 | 11.0 | 13.7 | 6.7 | 11.4 | 7.4 | 8.8 | 9.0 | 9.0 | 6.2 | 8.7 | 24 | 14.9 |
| 25 | 10.8 | 11.9 | 11.0 | 7.3 | 9.7 | 11.8 | 12.9 | 12.0 | 13.8 | 3.9 | 4.8 | 5.9 | 8.7 | 7.1 | 7.9 | 8.9 | 9.0 | 9.0 | 8.0 | 6.1 | 9.6 | 10.9 | 12.1 | 8.3 | 24 | 13.8 |
| 26 | 8.9 | 8.0 | 9.2 | 10.8 | 10.0 | 12.7 | 10.2 | 13.6 | 14.0 | 10.3 | 9.0 | 12.6 | 7.5 | 7.9 | 7.0 | 12.4 | 9.3 | 8.0 | 6.1 | 5.0 | 4.0 | 6.7 | 5.1 | 3.1 | 24 | 14.0 |
| 27 | 2.0 | 3.8 | 3.0 | -1.5 | 5.2 | 5.0 | 2.2 | 4.7 | 5.0 | 5.9 | 4.1 | 5.8 | 1.4 | 1.9 | .1 | 6.3 | -.2 | 2.6 | 1.1 | 2.8 | 3.9 | 4.9 | 2.2 | 2.9 | 24 | 6.3 |
| 28 | 3.0 | 3.0 | 3.0 | .2 | 5.4 | -.3 | .8 | -2.6 | 1.5 | -1.6 | 4.3 | .4 | -.9 | .0 | 5.4 | 4.1 | 3.9 | 3.0 | 2.0 | 1.0 | 7.3 | 4.3 | 7.6 | 6.1 | 24 | 7.6 |
| 29 | 6.0 | 7.8 | 4.3 | 9.4 | 4.5 | 7.1 | 6.1 | 8.7 | 5.5 | 4.2 | 4.9 | 5.9 | 2.4 | AX | BA | BA | -2.3 | .7 | 1.0 | 1.0 | -.6 | -.1 | -.9 | -1.0 | 21 | 9.4 |
| 30 | .6 | -1.8 | 1.6 | 1.1 | -.8 | .8 | .1 | 3.6 | .5 | .0 | .9 | -.8 | -2.8 | .6 | -.8 | .8 | -.8 | 3.5 | -.5 | -1.0 | -1.0 | 2.6 | .5 | 5.5 | 24 | 5.5 |
| 31 | 7.8 | 19.3 | 17.3 | 14.3 | 16.7 | 15.2 | 10.5 | 12.7 | 9.4 | 9.0 | 5.4 | 2.6 | 3.0 | 2.1 | -.7 | 1.7 | .2 | 2.7 | 2.1 | 3.8 | .4 | 2.7 | 5.7 | 3.3 | 24 | 19.3 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 28 | 27 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 12.5 | 19.3 | 17.3 | 15.5 | 16.7 | 15.2 | 14.9 | 13.6 | 14.0 | 11.1 | 12.5 | 13.9 | 14.9 | 12.2 | 11.0 | 13.7 | 9.3 | 12.7 | 11.2 | 10.1 | 14.4 | 12.5 | 15.8 | 16.9 | | |
| AVG: | 6.11 | 5.98 | 5.73 | 5.74 | 5.61 | 5.41 | 5.23 | 5.81 | 5.10 | 4.38 | 4.83 | 3.53 | 3.90 | 3.53 | 3.34 | 4.19 | 3.36 | 5.09 | 3.90 | 3.87 | 5.32 | 5.26 | 6.18 | 6.82 | | |

MONTHLY OBSERVATIONS: 734 MONTHLY MEAN: 4.94 MONTHLY MAX: 19.3

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-033-0001 POC: 3
COUNTY: (033) Caswell
CITY: (00000) Not in a city
SITE ADDRESS: 7074 CHERRY GROVE RD, REIDSVILLE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 36.307033
LONGITUDE: -79.467417
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 241
PROBE HEIGHT: 4

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JANUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.7 | 6.1 | 5.2 | 5.7 | 5.6 | 5.2 | 4.7 | 5.1 | 3.4 | 4.7 | 3.9 | 2.2 | 1.0 | -.2 | 4.2 | 4.9 | 8.0 | 4.7 | 10.3 | 7.0 | 9.8 | 6.5 | 19.8 | 8.0 | 24 | 19.8 |
| 2 | 5.9 | 5.4 | 4.9 | 3.7 | 3.7 | 2.7 | 4.9 | 4.4 | 5.4 | 6.1 | 6.1 | 3.9 | 2.2 | 5.2 | 3.4 | 6.2 | 6.3 | 4.9 | 8.5 | 6.8 | 8.5 | 10.6 | 15.0 | 8.8 | 24 | 15.0 |
| 3 | 5.6 | 6.8 | 8.0 | 5.2 | 3.5 | 6.2 | 5.7 | 5.2 | 5.7 | 3.5 | 4.2 | 3.2 | .5 | 1.5 | 2.0 | 2.0 | 3.4 | 8.3 | 25.5 | 8.3 | 6.3 | 4.4 | 8.5 | 8.3 | 24 | 25.5 |
| 4 | 4.7 | 9.0 | 7.8 | 8.3 | 4.9 | 3.9 | 5.2 | 6.2 | 5.4 | 5.9 | 4.2 | 3.5 | 3.7 | 1.2 | 2.0 | 1.0 | .7 | 2.0 | 3.2 | 6.6 | 5.2 | 2.9 | 1.5 | 2.0 | 24 | 9.0 |
| 5 | 2.7 | 4.4 | 2.9 | 3.9 | 2.5 | -.2 | 4.2 | 4.9 | 2.5 | .2 | 2.6 | BK | | | | | | | | | | | | | 11 | 4.9 |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| MAX: | 5.9 | 9.0 | 8.0 | 8.3 | 5.6 | 6.2 | 5.7 | 6.2 | 5.7 | 6.1 | 6.1 | 3.9 | 3.7 | 5.2 | 4.2 | 6.2 | 8.0 | 8.3 | 25.5 | 8.3 | 9.8 | 10.6 | 19.8 | 8.8 | | |
| AVG: | 4.72 | 6.34 | 5.76 | 5.36 | 4.04 | 3.56 | 4.94 | 5.16 | 4.48 | 4.08 | 4.20 | 3.20 | 1.85 | 1.93 | 2.90 | 3.53 | 4.60 | 4.98 | 11.88 | 7.18 | 7.45 | 6.10 | 11.20 | 6.78 | | |

MONTHLY OBSERVATIONS: 107 MONTHLY MEAN: 5.21 MONTHLY MAX: 25.5

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 1
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: 2016

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

| Day | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | AJ | | 10.7 | | | | | 8.9 2 | | | | |
| 2 | | | | | | 8.5 | 12.0 | | | | 13.2 IT | 3.7 |
| 3 | | 4.5 | | 2.8 | 4.2 | | | | 4.4 | 7.2 | | |
| 4 | 4.5 | | 6.4 | | | | | 9.0 2 | | | | |
| 5 | | | | | | 5.9 | 10.8 | | | | 5.8 | 5.3 |
| 6 | | 8.8 | | 12.2 | 4.2 | | | | 8.6 | 4.9 | | |
| 7 | 12.7 | | 10.0 | | | | | 10.0 2 | | 2.4 | | |
| 8 | | | | | | 5.2 | 7.0 | | | | 21.6 IT | 6.7 |
| 9 | | 3.4 | | 3.0 | 12.1 | | | | 12.0 | 2.7 | | |
| 10 | 2.2 | | 15.1 | | | | | 6.1 2 | | | | |
| 11 | | | | | | 11.5 | 7.9 2 | | | | 9.1 | 14.7 |
| 12 | | 8.4 | | 7.1 | 11.3 | | | | 8.7 | 9.0 | | |
| 13 | 3.4 | | 9.1 | | | | | 7.2 2 | | | | |
| 14 | | | | | | 12.5 | 12.6 2 | | | | P 42.2 IT | 8.8 |
| 15 | | 10.2 V | | 7.2 | 3.1 | | | | 10.8 | 12.2 | | |
| 16 | 4.8 | | 11.5 | | | | | 5.7 2 | | | | |
| 17 | | | | | | 6.2 | 5.6 2 | | | | 28.0 IT | 13.5 |
| 18 | | 8.2 | | 8.9 | 9.0 | | | | 8.9 | 7.3 | | |
| 19 | 5.6 V | | 11.5 | | | | | 3.9 2 | | | | |
| 20 | | | | | | 7.9 | 9.3 2 | | | | 2.8 | 10.3 |
| 21 | | 19.8 | | 9.9 | 3.2 | | | | 5.2 | 5.0 | | |
| 22 | 9.7 V | | 8.2 | | | | | 6.5 2 | | | | |
| 23 | | | | | | 12.5 | 10.2 2 | | | | 18.2 IT | 10.8 |
| 24 | | 3.6 | | 8.6 | 6.6 | | | | 7.5 | 8.1 | | |
| 25 | 16.0 | | 9.2 | | | | | 10.1 | | | | |
| 26 | | | | | | 10.0 | 9.8 2 | | | | 6.5 | 12.0 |
| 27 | | 6.5 | | 12.3 | 15.7 | | | | 9.3 | 12.4 | | |
| 28 | 15.4 | | 3.3 | | | | | 11.1 | | | | |
| 29 | | | | | | 9.9 | 5.7 2 | | | | 3.2 | 5.8 |
| 30 | | | | 7.2 | 7.0 | | | | BJ | 11.4 | | |
| 31 | 10.0 | | 8.1 | | | | | 10.5 | | | | |
| NO.: | 10 | 9 | 11 | 10 | 10 | 10 | 10 | 11 | 9 | 11 | 10 | 10 |
| MAX: | 16.0 | 19.8 | 15.1 | 12.3 | 15.7 | 12.5 | 12.6 | 11.1 | 12.0 | 12.4 | 42.2 | 14.7 |
| MEAN: | 8.43 | 8.16 | 9.37 | 7.92 | 7.64 | 9.01 | 9.09 | 8.09 | 8.38 | 7.51 | 15.06 | 9.16 |

ANNUAL OBSERVATIONS: 121 ANNUAL MEAN: 8.98 ANNUAL MAX: 42.2

1 Values marked with 'P' exceed the PRIMARY STANDARD of: 35.5
1 Values marked with 'S' exceed the SECONDARY STANDARD of: 35.5

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 2
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: 2016

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

| Day | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.9 | | 10.5 | | | | | | | | | |
| 2 | | | | | | 8.4 | | | | | 14.0 IT | 4.1 |
| 3 | | | | | | | | | 4.5 | 7.4 | | |
| 4 | | | | | | | | 6.3 | | | | |
| 5 | | | | | | 5.5 | 10.1 | | | | | |
| 6 | | 8.6 | | 12.5 | 4.1 | | | | | | | |
| 7 | AJ | | 10.0 | | | | | | | | | |
| 8 | | | | | | | | | | | 23.3 IT | |
| 9 | | | | | | | | | 11.8 | 2.9 | | |
| 10 | | | | | | | | 8.9 | | | | |
| 11 | | | | | | 11.9 | 7.5 | | | | | |
| 12 | | 8.4 | | 7.5 | 11.9 | | | | | | | |
| 13 | 3.4 | | 8.8 | | | | | | | | | |
| 14 | | | | | | | | | | | P 60.2 IT | |
| 15 | | | | | | | | | 11.7 | 12.8 | | |
| 16 | | | | | | | | 5.8 | | | | |
| 17 | | | | | | 6.0 | 5.7 | | | | | |
| 18 | | 8.1 | | 8.9 | 8.5 | | | | | | | |
| 19 | 6.0 V | | 10.5 | | | | | | | | | |
| 20 | | | | | | | | | | | AN | |
| 21 | | | | | | | | | 5.2 | 5.1 | | |
| 22 | | | | | | | | 6.3 | | | | |
| 23 | | | | | | 12.0 | 10.3 | | | | | |
| 24 | | 3.1 | | 8.8 | 6.2 | | | | | | | |
| 25 | 16.4 | | 9.9 | | | | | | | | | |
| 26 | | | | | | | | | | | 8.0 | |
| 27 | | | | | | | | | 9.0 | 12.3 | | |
| 28 | | | | | | | | 11.2 | | | | |
| 29 | | | | | | 10.1 | 5.6 | | | | 3.7 | |
| 30 | | | | 7.3 | BJ | | | | | | | |
| 31 | 10.0 | | 8.8 | | | | | | | | | |
| NO.: | 5 | 4 | 6 | 5 | 4 | 6 | 5 | 5 | 5 | 5 | 5 | 1 |
| MAX: | 16.4 | 8.6 | 10.5 | 12.5 | 11.9 | 12.0 | 10.3 | 11.2 | 11.8 | 12.8 | 60.2 | 4.1 |
| MEAN: | 8.14 | 7.05 | 9.75 | 9.00 | 7.68 | 8.98 | 7.84 | 7.70 | 8.44 | 8.10 | 21.84 | 4.10 |

ANNUAL OBSERVATIONS: 56 ANNUAL MEAN: 9.48 ANNUAL MAX: 60.2

1 Values marked with 'P' exceed the PRIMARY STANDARD of: 35.5
1 Values marked with 'S' exceed the SECONDARY STANDARD of: 35.5

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 3
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JANUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.3 | 4.4 | 6.6 | 5.9 | 3.2 | 4.7 | 4.4 | 7.8 | 6.8 | 6.8 | 7.5 | 3.9 | .5 | 3.7 | 4.4 | 3.7 | 3.7 | 3.2 | 5.2 | 5.9 | 5.4 | 7.1 | 7.3 | 6.6 | 24 | 7.8 |
| 2 | 6.6 | 6.4 | 7.6 | 4.9 | 8.5 | 9.8 | 6.6 | 3.9 | 10.0 | 7.3 | 4.7 | 5.4 | 3.2 | 1.2 | 1.9 | 4.7 | 3.9 | 7.1 | 6.9 | 8.3 | 8.1 | 9.3 | 14.9 | 10.0 | 24 | 14.9 |
| 3 | 16.1 | 10.8 | 15.1 | 17.8 | 11.5 | 15.6 | 7.6 | 6.8 | 7.8 | 7.3 | 4.0 | 2.5 | 1.5 | 2.7 | 2.7 | -.7 | -1.9 | 3.3 | 9.8 | 13.0 | 9.8 | 9.0 | 9.6 | 13.0 | 24 | 17.8 |
| 4 | 12.0 | 12.9 | 8.6 | 13.2 | 7.6 | 6.4 | 4.5 | 6.4 | 5.2 | 4.0 | 2.5 | 3.2 | 7.1 | 4.0 | AX | AX | BA | BA | BA | 4.0 | 3.8 | 3.5 | 4.1 | 3.6 | 19 | 13.2 |
| 5 | 2.5 | 3.8 | 3.6 | 4.3 | 5.0 | 2.8 | 10.8 | 9.1 | 19.3 | 6.4 | 6.0 | 3.3 | 4.3 | 4.8 | 4.0 | 2.6 | 2.3 | 5.0 | 6.2 | 7.2 | 7.4 | 10.3 | 13.2 | 16.2 | 24 | 19.3 |
| 6 | 16.7 | 20.8 | 23.8 | 19.1 | 20.8 | 20.6 | 10.4 | 13.0 | 19.8 | 11.1 | 8.1 | 3.6 | 2.1 | 3.5 | 3.8 | 6.0 | 7.9 | 12.3 | 12.3 | 16.9 | 15.9 | 13.5 | 21.3 | 16.7 | 24 | 23.8 |
| 7 | 19.6 | 22.8 | 19.8 | 18.3 | 21.1 | 18.6 | 12.1 | 15.7 | 14.5 | 17.4 | 16.4 | 7.4 | 10.3 | 6.7 | 5.0 | 6.2 | 6.2 | 12.3 | 10.4 | 12.8 | 14.2 | 17.9 | 18.1 | 14.0 | 24 | 22.8 |
| 8 | 24.5 | 19.1 | 18.1 | 19.6 | 20.1 | 10.9 | 11.8 | 14.7 | 17.8 | 9.6 | 15.9 | 5.3 | 8.4 | 9.4 | 11.1 | 10.3 | 14.0 | 10.3 | 7.4 | 11.1 | 15.2 | 15.7 | 12.3 | 11.1 | 24 | 24.5 |
| 9 | 8.6 | 9.6 | 9.4 | 6.5 | 6.9 | 10.8 | 11.3 | 9.6 | 8.6 | 7.2 | 7.9 | 8.4 | 7.4 | 3.8 | .1 | -.4 | 5.5 | 6.7 | 4.3 | 4.8 | 3.3 | 1.6 | 1.3 | 2.8 | 24 | 11.3 |
| 10 | 2.6 | 1.6 | 2.1 | 3.5 | 5.0 | 3.3 | 1.6 | 5.7 | 4.0 | 3.0 | 5.0 | 2.8 | 2.8 | 2.3 | .8 | -.1 | 1.1 | 2.0 | 2.6 | 3.1 | 3.5 | 2.1 | 1.1 | 2.8 | 24 | 5.7 |
| 11 | 3.1 | 2.8 | 2.3 | 4.0 | 5.0 | 3.3 | 7.2 | 12.8 | 8.4 | 4.3 | .8 | -.9 | .6 | -1.6 | .8 | 3.1 | 3.3 | 1.8 | 2.3 | 10.8 | 22.0 | 20.0 | 27.8 | 21.0 | 24 | 27.8 |
| 12 | 17.8 | 16.6 | 20.0 | 17.8 | 22.8 | 24.5 | 30.7 | 32.5 | 22.5 | 11.8 | 9.3 | 6.7 | 2.8 | -.4 | .3 | 4.5 | 4.3 | 3.1 | 4.3 | 5.7 | 8.4 | 6.2 | 4.5 | 2.3 | 24 | 32.5 |
| 13 | 1.1 | 1.8 | 3.3 | 2.6 | .6 | 3.1 | 5.5 | 6.7 | 4.8 | 2.8 | 4.3 | 3.5 | .6 | 1.3 | .8 | -.3 | -.1 | .6 | 1.6 | 5.5 | 8.6 | 6.9 | 6.7 | 16.2 | 24 | 16.2 |
| 14 | 15.4 | 17.8 | 13.0 | 11.3 | 12.3 | 8.6 | 13.5 | 15.9 | 18.6 | 7.9 | 10.3 | 7.1 | 5.2 | 5.9 | 6.6 | 4.2 | 5.0 | 4.5 | 4.5 | 6.2 | 9.8 | 11.3 | 8.3 | 10.5 | 24 | 18.6 |
| 15 | 10.0 | 12.3 | 13.9 | 10.1 | 15.6 | 14.2 | 14.4 | 16.6 | 20.3 | 21.5 | 14.4 | 21.5 | 23.2 | 22.0 | 15.2 | 14.9 | 11.3 | 8.6 | 6.2 | 4.7 | 9.6 | 7.9 | 5.2 | 6.4 | 24 | 23.2 |
| 16 | 4.0 | 8.1 | 6.7 | 3.7 | 6.9 | 4.7 | 3.5 | 3.5 | 1.8 | 1.3 | 6.2 | 5.0 | 4.7 | 2.5 | 3.2 | 4.7 | 2.8 | 3.8 | 5.7 | 5.2 | 6.4 | 7.9 | 7.9 | 9.6 | 24 | 9.6 |
| 17 | 7.6 | 7.6 | 5.7 | 10.6 | 7.6 | 4.0 | 4.2 | 4.0 | 4.0 | 5.7 | 5.2 | 5.0 | 4.0 | 5.0 | 3.3 | 2.3 | 3.5 | 5.2 | 4.5 | 6.4 | 8.4 | 9.1 | 5.5 | 5.0 | 24 | 10.6 |
| 18 | 5.2 | 3.5 | 4.3 | 4.0 | 3.5 | 5.2 | 4.8 | 4.0 | 6.4 | 3.3 | -.4 | .3 | -.9 | -1.4 | .5 | 2.3 | 4.0 | 4.0 | 2.8 | 2.0 | 2.3 | 2.5 | 3.5 | 6.2 | 24 | 6.4 |
| 19 | 8.6 | 8.4 | 7.1 | 5.5 | 5.2 | 3.0 | 7.1 | 6.7 | 7.6 | 7.4 | 6.4 | 4.0 | 5.5 | 2.8 | 1.0 | 2.3 | 3.3 | 5.5 | 5.7 | 5.5 | 6.0 | 12.3 | 15.7 | 14.9 | 24 | 15.7 |
| 20 | 11.6 | 17.6 | 14.7 | 13.2 | 15.0 | 15.7 | 14.2 | 9.8 | 14.9 | 12.3 | 11.1 | AX | AX | 7.9 | 9.1 | 15.4 | 13.9 | 13.0 | 13.0 | 12.8 | 13.9 | 21.0 | 20.0 | 23.7 | 22 | 23.7 |
| 21 | 26.8 | 26.6 | 23.2 | 30.0 | 27.6 | 27.1 | 35.5 | 31.5 | 31.0 | 20.3 | 14.7 | 15.4 | 11.1 | 10.8 | 7.9 | 6.4 | 11.8 | 8.9 | 8.9 | 9.3 | 8.1 | 10.6 | 14.7 | 9.6 | 24 | 35.5 |
| 22 | 7.9 | 11.8 | 13.5 | 12.3 | 18.3 | 19.5 | 14.9 | 12.0 | 10.1 | 12.3 | 9.8 | 8.1 | 7.4 | 10.1 | 6.4 | 6.0 | 12.3 | 12.3 | 10.8 | 9.3 | 9.4 | 6.7 | 6.2 | 10.8 | 24 | 19.5 |
| 23 | 7.0 | 4.3 | 4.0 | 7.9 | 9.1 | 13.0 | 9.6 | 7.7 | 4.3 | 3.1 | 2.6 | 6.0 | 6.4 | 5.5 | 5.5 | 6.4 | 4.0 | 3.8 | 8.6 | 7.2 | 5.5 | 4.5 | 3.8 | 4.5 | 24 | 13.0 |
| 24 | 5.5 | 6.2 | 5.5 | 6.2 | 9.6 | 11.6 | 7.7 | 11.3 | 10.6 | 5.5 | 6.2 | 4.8 | 1.8 | 1.3 | 2.3 | 7.2 | 4.8 | 2.8 | 7.4 | 7.9 | 6.2 | 9.4 | 27.6 | 27.1 | 24 | 27.6 |
| 25 | 23.7 | 29.8 | 25.9 | 20.0 | 29.1 | 28.8 | 35.7 | 26.9 | 29.1 | 30.7 | 16.7 | 17.1 | 8.1 | 12.0 | 11.1 | 6.9 | 4.5 | 5.5 | 10.6 | 7.2 | 17.4 | 7.4 | 8.9 | 10.1 | 24 | 35.7 |
| 26 | 20.6 | 24.7 | 16.9 | 15.7 | 23.8 | 25.0 | 28.3 | 35.0 | 24.7 | 19.6 | 11.3 | 11.4 | 6.9 | 8.9 | 7.9 | 8.1 | 7.9 | 8.6 | 8.8 | 7.6 | 10.8 | 10.8 | 18.3 | 16.1 | 24 | 35.0 |
| 27 | 10.6 | 17.6 | 16.4 | 17.6 | 12.5 | 14.9 | 16.4 | 9.4 | 18.6 | 4.0 | 4.3 | 2.3 | 2.3 | 2.0 | 4.5 | 4.5 | 6.2 | 7.2 | 7.9 | 7.9 | 13.1 | 11.3 | 14.9 | 18.6 | 24 | 18.6 |
| 28 | 14.0 | 13.7 | 15.4 | 20.0 | 15.4 | 18.3 | 24.7 | 15.9 | 19.3 | 11.3 | 13.7 | 17.1 | 13.3 | 10.3 | 7.4 | 9.1 | 12.6 | 15.9 | 20.8 | 15.4 | 23.0 | 18.1 | 22.5 | 22.0 | 24 | 24.7 |
| 29 | 23.0 | 21.0 | 15.4 | 10.6 | 7.4 | 5.0 | 9.8 | 7.6 | 7.9 | 6.4 | 8.9 | 6.9 | 4.5 | 2.5 | 2.6 | 3.0 | 2.0 | 2.5 | 7.9 | 6.4 | 5.0 | 7.7 | 10.1 | 13.7 | 24 | 23.0 |
| 30 | 16.2 | 14.9 | 15.4 | 15.7 | 16.7 | 16.7 | 12.0 | 14.9 | 18.8 | 16.2 | 4.8 | 4.8 | 3.5 | 6.7 | 7.9 | 5.7 | 7.9 | 6.2 | 7.6 | 11.1 | 20.8 | 14.4 | 16.4 | 13.7 | 24 | 20.8 |
| 31 | 24.2 | 18.6 | 14.7 | 17.6 | 13.0 | 22.0 | 18.8 | 20.3 | 17.4 | 18.1 | 17.3 | 8.8 | 8.6 | 8.4 | 5.5 | 5.4 | 3.3 | 7.4 | 7.9 | 5.5 | 8.4 | 7.7 | 4.5 | 5.0 | 24 | 24.2 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 31 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 26.8 | 29.8 | 25.9 | 30.0 | 29.1 | 28.8 | 35.7 | 35.0 | 31.0 | 30.7 | 17.3 | 21.5 | 23.2 | 22.0 | 15.2 | 15.4 | 14.0 | 15.9 | 20.8 | 16.9 | 23.0 | 21.0 | 27.8 | 27.1 | | |
| AVG: | 12.27 | 12.84 | 12.00 | 11.92 | 12.47 | 12.64 | 12.89 | 12.83 | 13.38 | 9.87 | 8.25 | 6.69 | 5.57 | 5.31 | 4.79 | 5.15 | 5.71 | 6.45 | 7.43 | 7.96 | 9.99 | 9.80 | 11.49 | 11.74 | | |

MONTHLY OBSERVATIONS: 737 MONTHLY MEAN: 9.59 MONTHLY MAX: 35.7

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 3
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: FEBRUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.6 | 6.4 | 10.1 | 8.9 | 8.1 | 8.9 | 10.6 | 12.0 | 16.9 | 16.9 | 9.8 | AX | BA | BA | 11.3 | 10.0 | 10.5 | 14.2 | 10.3 | 9.3 | 12.5 | 14.4 | 14.7 | 10.3 | 21 | 16.9 |
| 2 | 15.9 | 10.6 | 8.4 | 10.0 | 8.3 | 12.0 | 10.3 | 14.4 | 13.7 | 12.0 | 13.5 | 12.0 | 11.5 | 10.3 | 16.1 | 16.1 | 17.6 | 14.2 | 14.4 | 13.0 | 19.8 | 16.1 | 16.6 | 14.9 | 24 | 19.8 |
| 3 | 11.5 | 6.7 | 1.5 | 4.2 | 9.3 | 9.1 | 5.5 | 6.2 | 4.0 | 2.0 | 1.0 | -.9 | 1.7 | 1.8 | .6 | .3 | .8 | 3.0 | 5.0 | 4.7 | 6.2 | 10.1 | 6.4 | 6.4 | 24 | 11.5 |
| 4 | 7.4 | 12.3 | 14.7 | 12.0 | 7.1 | 5.9 | 6.2 | 9.3 | 9.3 | 6.4 | 4.2 | 4.7 | 2.7 | 2.8 | 4.7 | 5.0 | 5.2 | 6.4 | 8.6 | 9.6 | 8.3 | 7.8 | 7.4 | 5.7 | 24 | 14.7 |
| 5 | 5.5 | 5.2 | 4.5 | 3.2 | 3.7 | 3.5 | 5.5 | 5.7 | 5.0 | 2.3 | 3.7 | 2.5 | -.9 | -.2 | 3.0 | 3.0 | 3.2 | 6.2 | 14.2 | 9.6 | 10.8 | 16.1 | 12.0 | 11.0 | 24 | 16.1 |
| 6 | 24.9 | 15.6 | 11.3 | 19.3 | 11.8 | 11.8 | 12.8 | 13.2 | 11.5 | 11.0 | 6.4 | 3.3 | 6.4 | 6.2 | 5.2 | 5.0 | 4.7 | 5.2 | 5.7 | 10.1 | 12.0 | 11.0 | 15.6 | 16.9 | 24 | 24.9 |
| 7 | 19.3 | 25.4 | 15.7 | 17.1 | 13.4 | 18.8 | 12.3 | 12.3 | 10.3 | 6.0 | 5.2 | 3.3 | 4.0 | 1.0 | .3 | 2.0 | 4.2 | 5.7 | 6.9 | 11.8 | 13.7 | 10.6 | 10.3 | 12.0 | 24 | 25.4 |
| 8 | 22.3 | 22.5 | 14.4 | 16.4 | 16.9 | 24.7 | 19.0 | 26.6 | 23.7 | 14.2 | 18.6 | 10.1 | 9.6 | 11.7 | BA | BA | 7.1 | 6.0 | 8.6 | 5.7 | 4.7 | 7.9 | 6.6 | 4.2 | 22 | 26.6 |
| 9 | 3.5 | 4.7 | 6.9 | 2.7 | -1.2 | 1.0 | 3.0 | 2.0 | .8 | 1.5 | .0 | 2.5 | 3.7 | 3.2 | 3.5 | 3.0 | 2.5 | 4.7 | 4.7 | 4.2 | 2.5 | 5.7 | 5.5 | 6.6 | 24 | 6.9 |
| 10 | 7.4 | 10.1 | 8.3 | 6.7 | 10.3 | 19.5 | 6.9 | 10.8 | 9.4 | 6.2 | 4.8 | 4.7 | 5.7 | 5.7 | 5.5 | 5.0 | 4.8 | 7.2 | 8.6 | 6.7 | 2.3 | 2.0 | 5.5 | 4.8 | 24 | 19.5 |
| 11 | 6.2 | 7.4 | 9.4 | 7.4 | 7.6 | 7.9 | 21.8 | 12.5 | 14.0 | 7.6 | 4.3 | 4.5 | 4.0 | 2.8 | AZ | AZ | 1.5 | 1.8 | 3.7 | 4.7 | 10.3 | 8.1 | 16.1 | 14.2 | 22 | 21.8 |
| 12 | 8.8 | 11.5 | 7.1 | 10.6 | 6.9 | 11.3 | 11.0 | 9.1 | 10.8 | 10.1 | 9.1 | 7.4 | 11.8 | 9.3 | 12.0 | 12.0 | 11.3 | 14.4 | 10.6 | 8.1 | 10.1 | 9.1 | 6.2 | 4.2 | 24 | 14.4 |
| 13 | 4.3 | 8.6 | 6.9 | 4.8 | 5.2 | 3.5 | 3.3 | 4.0 | 6.2 | 5.5 | 3.5 | 7.9 | 6.9 | 6.0 | 6.2 | 5.2 | 7.7 | 5.5 | 6.2 | 7.9 | 6.4 | 5.5 | 5.7 | 8.6 | 24 | 8.6 |
| 14 | 10.1 | 6.0 | 7.4 | 5.0 | 4.8 | 5.5 | 6.0 | 6.4 | 6.0 | 3.5 | 2.0 | 2.8 | 2.3 | 2.3 | 2.8 | 8.1 | 5.5 | 6.9 | 6.0 | 5.0 | 8.1 | 6.7 | 7.4 | 12.7 | 24 | 12.7 |
| 15 | 9.9 | 9.9 | 14.0 | 10.6 | 12.3 | 10.1 | 8.9 | 10.6 | 15.2 | 9.4 | 13.7 | 13.2 | 9.6 | 10.1 | 8.9 | 7.9 | 8.9 | 6.7 | 5.3 | 6.7 | 7.7 | 6.2 | 5.8 | 9.4 | 24 | 15.2 |
| 16 | 10.8 | 9.9 | 5.5 | .0 | -.6 | 2.1 | 7.6 | 5.0 | 5.3 | 12.6 | 9.6 | 5.5 | 3.5 | 2.3 | 3.1 | 4.3 | 6.4 | 5.0 | 3.8 | 5.0 | 11.8 | 11.3 | 10.1 | 9.3 | 24 | 12.6 |
| 17 | 17.1 | 6.7 | 11.1 | 7.9 | 5.7 | 4.8 | 6.9 | 9.8 | 7.4 | 6.7 | 5.3 | 2.0 | 3.5 | 3.8 | 4.5 | 7.2 | 6.2 | 5.0 | 8.1 | 8.1 | 6.7 | 6.0 | 8.1 | 9.4 | 24 | 17.1 |
| 18 | 7.6 | 4.3 | 12.0 | 10.8 | 10.8 | 18.3 | 13.2 | 14.5 | 10.6 | 9.4 | 8.1 | 6.4 | 6.2 | 3.5 | 3.3 | 3.7 | 4.5 | 6.9 | 6.9 | 11.5 | 12.5 | 16.1 | 13.7 | 13.7 | 24 | 18.3 |
| 19 | 15.9 | 21.3 | 18.8 | 15.9 | 15.9 | 23.0 | 25.7 | 30.7 | 18.3 | 10.6 | 8.8 | 12.7 | 14.6 | 10.0 | 7.5 | 8.5 | 9.7 | 9.0 | 9.7 | 9.8 | 18.2 | 16.8 | 14.9 | 13.6 | 24 | 30.7 |
| 20 | 13.4 | 12.9 | 16.6 | 19.2 | 16.1 | 18.0 | 14.4 | 22.2 | 16.6 | 19.7 | 19.7 | 18.7 | 17.3 | 18.2 | 22.9 | 24.7 | 22.2 | 25.6 | 26.4 | 23.7 | 23.7 | 24.2 | 28.2 | 29.5 | 24 | 29.5 |
| 21 | 29.2 | 22.9 | 30.2 | 33.9 | 31.7 | 32.9 | 32.2 | 36.9 | 28.7 | 19.0 | 13.0 | 13.0 | 14.1 | 18.5 | 17.0 | 14.4 | 14.4 | 18.5 | 14.9 | 14.2 | 11.0 | 11.0 | 9.3 | 9.5 | 24 | 36.9 |
| 22 | 14.4 | 12.7 | 11.3 | 19.2 | 19.5 | 22.2 | 21.0 | 16.8 | 27.3 | 16.6 | 10.8 | 11.7 | 10.5 | 9.8 | 13.7 | 13.6 | 15.4 | 18.3 | 22.0 | 10.8 | 9.8 | 15.4 | 10.3 | 6.4 | 24 | 27.3 |
| 23 | 7.8 | 5.2 | 8.8 | 7.4 | 8.1 | 5.0 | 5.7 | 8.3 | 6.1 | 3.5 | 3.5 | 3.5 | 2.2 | 5.4 | 8.6 | 6.4 | 6.6 | 5.9 | 7.8 | 5.0 | 3.0 | 7.4 | 5.2 | 3.7 | 24 | 8.8 |
| 24 | 2.5 | .5 | 1.7 | 1.7 | 4.0 | 4.2 | 2.5 | .5 | .7 | 2.0 | 2.7 | 6.9 | 6.1 | 6.9 | 5.9 | 7.1 | 5.9 | 3.2 | 1.5 | 5.4 | 4.7 | 3.0 | 4.7 | 4.2 | 24 | 7.1 |
| 25 | 3.7 | 1.5 | -.9 | -1.9 | .8 | .5 | -.9 | .2 | .7 | -.7 | -1.2 | 1.9 | 6.1 | 6.6 | 3.2 | 2.7 | 4.9 | 3.4 | 3.9 | 7.6 | 4.4 | 5.4 | 5.6 | 5.6 | 24 | 7.6 |
| 26 | 4.2 | 1.5 | 1.2 | 2.2 | 5.0 | 5.4 | 2.7 | 3.0 | 3.7 | 2.2 | .5 | 2.5 | 3.0 | 3.5 | 5.0 | 4.0 | 4.2 | 5.0 | 4.2 | 6.1 | 8.1 | 7.6 | 11.8 | 19.7 | 24 | 19.7 |
| 27 | 15.6 | 17.1 | 24.2 | 14.2 | 9.8 | 9.3 | 8.8 | 10.8 | 8.1 | 7.6 | 6.6 | 9.6 | 7.8 | 5.2 | 4.7 | 2.5 | 1.5 | 4.7 | 4.0 | 4.2 | 5.2 | 7.9 | 10.1 | 7.4 | 24 | 24.2 |
| 28 | 6.6 | 14.7 | 12.9 | 12.3 | 17.3 | 13.7 | 18.3 | 17.6 | 13.2 | 7.6 | 8.6 | 5.4 | 2.7 | 2.2 | 7.8 | 6.6 | 5.4 | 4.7 | 5.7 | 5.5 | 4.5 | 6.4 | 8.6 | 10.3 | 24 | 18.3 |
| 29 | 12.5 | 13.9 | 12.5 | 16.1 | 18.3 | 14.4 | 13.9 | 14.2 | 12.0 | 13.9 | 8.8 | 6.2 | 4.2 | 3.7 | 3.5 | 3.7 | 6.2 | 6.2 | 5.9 | 7.4 | 13.4 | 11.1 | 7.4 | 5.7 | 24 | 18.3 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 28 | 28 | 28 | 27 | 27 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | | |
| MAX: | 29.2 | 25.4 | 30.2 | 33.9 | 31.7 | 32.9 | 32.2 | 36.9 | 28.7 | 19.7 | 19.7 | 18.7 | 17.3 | 18.5 | 22.9 | 24.7 | 22.2 | 25.6 | 26.4 | 23.7 | 23.7 | 24.2 | 28.2 | 29.5 | | |
| AVG: | 11.24 | 10.62 | 10.57 | 10.27 | 9.89 | 11.29 | 10.87 | 11.92 | 10.88 | 8.46 | 7.06 | 6.57 | 6.46 | 6.16 | 7.07 | 7.11 | 7.21 | 7.91 | 8.40 | 8.32 | 9.39 | 9.89 | 9.99 | 10.00 | | |

MONTHLY OBSERVATIONS: 689 MONTHLY MEAN: 9.09 MONTHLY MAX: 36.9

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 3
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MARCH 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.3 | 16.1 | 13.7 | 16.6 | 10.8 | 14.7 | 15.2 | 17.1 | 6.9 | 4.7 | 5.5 | 7.4 | 11.3 | 9.1 | 11.5 | 12.5 | 16.4 | 15.2 | 11.8 | 15.2 | 16.1 | 17.8 | 20.8 | 4.7 | 24 | 20.8 |
| 2 | .5 | .4 | 3.0 | 4.2 | 5.0 | 5.0 | 3.5 | 4.2 | 6.4 | BA | AX | .4 | -1.6 | .1 | 4.8 | 3.6 | 2.8 | 2.5 | 3.6 | 6.9 | 5.0 | 2.3 | 5.0 | 5.7 | 22 | 6.9 |
| 3 | 8.1 | 11.6 | 10.6 | 10.1 | 8.4 | 8.6 | 13.0 | 14.2 | 8.4 | 6.7 | 4.8 | 4.0 | 4.8 | 4.3 | 4.6 | 4.8 | 6.5 | 7.6 | 8.1 | 10.4 | 10.6 | 12.8 | 10.6 | 14.5 | 24 | 14.5 |
| 4 | 14.7 | 10.8 | 8.9 | 6.4 | 7.2 | 11.1 | 8.4 | 14.2 | 10.1 | 11.8 | 11.5 | 7.2 | 3.8 | 2.3 | 3.8 | 3.5 | .6 | 3.0 | 5.2 | 3.0 | 1.3 | 3.1 | 9.3 | 9.1 | 24 | 14.7 |
| 5 | 11.8 | 15.7 | 16.9 | 17.1 | 15.2 | 17.1 | 15.4 | 13.0 | 13.0 | 11.3 | 8.4 | 6.4 | 3.5 | 6.9 | 6.7 | 8.4 | 6.7 | 7.4 | 10.8 | 8.9 | 12.0 | 14.5 | 11.5 | 12.5 | 24 | 17.1 |
| 6 | 13.3 | 10.8 | 15.7 | 13.7 | 12.0 | 13.9 | 10.3 | 11.5 | 8.6 | 9.1 | 6.2 | 5.7 | 3.3 | 4.2 | 5.4 | 5.5 | 5.0 | 7.4 | 8.4 | 6.0 | 10.1 | 12.1 | 14.9 | 13.7 | 24 | 15.7 |
| 7 | 16.9 | 15.9 | 14.0 | 12.8 | 12.8 | 13.7 | 12.3 | 17.6 | 15.2 | 8.1 | 7.8 | 8.3 | 10.3 | 8.6 | 6.9 | 5.0 | 5.7 | 9.1 | 13.5 | 12.3 | 9.4 | 11.1 | 12.1 | 10.3 | 24 | 17.6 |
| 8 | 10.1 | 9.6 | 12.8 | 16.9 | 18.3 | 18.1 | 17.1 | 24.7 | 21.3 | 22.0 | 16.1 | 15.1 | 9.3 | 12.5 | 7.8 | 11.0 | 9.8 | 9.8 | 12.9 | 12.5 | 10.8 | 12.5 | 11.5 | 19.5 | 24 | 24.7 |
| 9 | 23.9 | 19.7 | 16.1 | 16.3 | 15.6 | 11.8 | 12.5 | 14.9 | 10.0 | 11.7 | 11.0 | 8.3 | 6.8 | 8.5 | 5.7 | 3.7 | 6.4 | 10.0 | 10.5 | 15.3 | 13.9 | 12.9 | 18.2 | 18.5 | 24 | 23.9 |
| 10 | 18.0 | 15.9 | 15.6 | 11.0 | 10.0 | 7.3 | 9.3 | 14.7 | 8.0 | 10.8 | 10.3 | 8.0 | 8.8 | 9.5 | 9.0 | 11.4 | 6.6 | 4.9 | 9.7 | 33.1 | 43.9 | 44.1 | 29.7 | 23.6 | 24 | 44.1 |
| 11 | 12.0 | 13.7 | 14.6 | 15.3 | 13.8 | 13.2 | 14.1 | 18.2 | 14.9 | 18.9 | 16.1 | 11.7 | 9.0 | 5.8 | 3.4 | 5.2 | 10.5 | 13.9 | 13.7 | 19.2 | 13.7 | 20.2 | 15.6 | 21.4 | 24 | 21.4 |
| 12 | 22.9 | 17.7 | 21.2 | 24.6 | 18.5 | 17.5 | 17.3 | 24.4 | 23.9 | 25.8 | 23.6 | 19.7 | 18.7 | 20.7 | 15.6 | 18.7 | 19.2 | 25.1 | 21.9 | 25.8 | 19.9 | 28.7 | 23.4 | 23.9 | 24 | 28.7 |
| 13 | 21.2 | 15.8 | 13.9 | 11.2 | 13.8 | 11.9 | 13.2 | 13.9 | 11.7 | 8.8 | 10.3 | 6.4 | 6.6 | 7.1 | 5.6 | 11.7 | 10.2 | 9.0 | 8.7 | 8.5 | 7.0 | 7.8 | 9.2 | 9.5 | 24 | 21.2 |
| 14 | 6.6 | 5.2 | 7.6 | 11.5 | 14.6 | 8.8 | 3.4 | 5.2 | 4.7 | 6.3 | 12.7 | 9.7 | 7.3 | 5.4 | 4.4 | 4.9 | 10.5 | 10.2 | 8.3 | 8.7 | 11.0 | 12.5 | 10.0 | 10.0 | 24 | 14.6 |
| 15 | 7.1 | 3.7 | 2.7 | 4.0 | 6.1 | 6.4 | 8.3 | 6.6 | 6.1 | AX | AX | -2.0 | 2.9 | 5.8 | 5.6 | 5.1 | 3.4 | 1.4 | 2.9 | 5.8 | 8.0 | 8.0 | 7.3 | 14.8 | 22 | 14.8 |
| 16 | 13.9 | 12.9 | 20.4 | 26.3 | 24.4 | 24.4 | 18.2 | 28.9 | 19.9 | 16.8 | 17.7 | 14.1 | 8.7 | 7.5 | 4.2 | 2.2 | 8.0 | 5.1 | 3.9 | 7.5 | 5.4 | -.7 | 2.0 | 3.9 | 24 | 28.9 |
| 17 | 2.2 | 6.3 | 13.6 | 7.8 | 4.0 | 7.3 | 18.5 | 15.1 | 11.7 | 7.8 | 7.1 | 4.4 | 1.0 | 3.2 | 3.2 | 7.3 | 5.6 | 4.7 | 3.0 | 6.6 | 6.3 | 4.9 | 9.0 | 6.4 | 24 | 18.5 |
| 18 | 6.1 | 5.2 | 6.2 | 7.8 | 9.8 | 6.1 | 9.5 | 21.2 | 8.6 | 4.9 | 2.7 | 3.2 | 3.5 | 3.7 | 3.0 | 2.0 | 4.2 | 4.7 | 7.8 | 9.0 | 11.0 | 8.6 | 9.1 | 16.6 | 24 | 21.2 |
| 19 | 16.1 | 14.7 | 14.9 | 13.4 | 17.1 | 14.9 | 20.0 | 16.4 | 12.5 | 13.2 | 11.8 | 8.3 | 7.6 | 11.3 | 9.8 | 16.4 | 12.0 | 13.9 | 16.8 | 13.0 | 10.8 | 8.1 | 6.2 | 5.9 | 24 | 20.0 |
| 20 | 7.6 | 10.1 | 8.3 | 7.4 | 8.6 | 9.8 | 7.9 | 5.0 | 5.2 | 6.4 | 8.6 | 5.0 | 5.7 | 8.6 | 6.4 | 5.9 | 12.5 | 8.6 | 5.5 | 10.1 | 10.5 | 11.8 | 9.3 | 8.6 | 24 | 12.5 |
| 21 | 8.1 | 5.5 | 4.5 | 5.5 | 5.2 | 7.6 | 12.5 | 9.8 | 7.6 | 8.6 | 7.6 | 8.3 | 6.7 | 4.2 | 1.7 | 4.2 | 5.2 | 4.4 | 8.8 | 9.5 | 11.7 | 9.3 | 9.0 | 7.3 | 24 | 12.5 |
| 22 | 9.0 | 6.8 | 12.5 | 8.1 | 13.1 | 16.6 | 17.3 | 18.5 | 13.6 | 9.3 | 4.9 | 2.7 | 6.1 | 5.2 | 4.9 | 6.4 | 5.4 | 7.5 | 6.4 | 8.3 | 15.8 | 17.1 | 21.2 | 15.6 | 24 | 21.2 |
| 23 | 15.4 | 17.3 | 15.9 | 20.2 | 21.5 | 17.5 | 23.4 | 20.0 | 19.7 | 16.3 | 9.8 | 9.3 | 6.6 | 5.7 | 5.4 | 6.6 | 12.4 | 13.4 | 13.9 | 11.7 | 17.5 | 10.8 | 10.3 | 11.3 | 24 | 23.4 |
| 24 | 15.4 | 15.9 | 16.3 | 22.2 | 20.5 | 23.5 | 24.7 | 25.9 | 23.4 | 23.9 | 18.2 | 15.6 | 11.0 | 11.0 | 9.0 | 11.0 | 12.5 | 15.1 | 7.8 | 7.6 | 8.8 | 9.0 | 9.3 | 6.6 | 24 | 25.9 |
| 25 | 15.1 | 10.3 | 13.5 | 9.8 | 15.6 | 13.0 | 12.5 | 12.2 | 9.1 | 11.0 | 8.3 | 7.6 | 8.8 | 8.3 | 6.9 | 5.4 | 6.8 | 13.0 | 13.0 | 10.5 | 14.1 | 11.2 | 13.9 | 15.2 | 24 | 15.6 |
| 26 | 13.9 | 16.1 | 16.8 | 10.3 | 13.2 | 15.4 | 16.3 | 12.7 | 13.7 | 13.4 | 11.2 | 12.7 | 11.5 | 9.0 | 15.1 | 10.8 | 16.6 | 16.1 | 14.6 | 15.1 | 19.0 | 13.7 | 10.5 | 15.6 | 24 | 19.0 |
| 27 | 11.7 | 9.8 | 14.1 | 8.8 | 7.6 | 6.9 | 9.8 | 9.0 | 7.3 | 6.1 | 5.4 | 5.9 | 10.0 | 14.7 | 15.1 | 12.5 | 13.9 | 10.3 | 9.8 | 8.3 | 4.2 | 4.2 | 3.7 | 3.2 | 24 | 15.1 |
| 28 | 3.5 | 1.2 | 2.5 | .8 | 6.6 | 7.8 | 4.7 | 13.2 | 7.8 | 3.5 | 4.4 | 4.4 | 6.1 | BA | BA | .5 | 1.0 | 1.4 | 3.0 | 7.1 | 3.9 | .5 | 2.5 | 1.2 | 22 | 13.2 |
| 29 | 1.7 | 4.2 | 6.1 | 12.7 | 14.4 | 14.4 | 14.9 | 9.8 | 6.6 | 3.9 | 2.5 | 5.4 | 4.9 | 10.2 | 5.6 | .3 | 3.7 | 2.4 | 4.7 | 6.1 | 8.1 | 10.3 | 16.3 | 18.5 | 24 | 18.5 |
| 30 | 17.1 | 12.7 | 20.5 | 13.6 | 12.0 | 17.3 | 18.7 | 21.5 | 17.8 | 3.9 | 5.4 | 4.7 | 8.8 | 9.8 | 10.3 | 7.6 | 7.3 | 7.8 | 5.9 | 6.4 | 7.1 | 10.0 | 9.8 | 9.1 | 24 | 21.5 |
| 31 | 8.3 | 9.8 | 8.1 | 8.1 | 5.7 | 7.6 | 7.9 | 4.2 | 3.7 | 5.2 | 3.5 | 8.5 | 10.5 | 9.3 | 9.0 | 9.5 | 10.0 | 7.6 | 13.0 | 10.6 | 9.5 | 8.3 | 11.5 | 7.1 | 24 | 13.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 29 | 31 | 31 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 23.9 | 19.7 | 21.2 | 26.3 | 24.4 | 24.4 | 24.7 | 28.9 | 23.9 | 25.8 | 23.6 | 19.7 | 18.7 | 20.7 | 15.6 | 18.7 | 19.2 | 25.1 | 21.9 | 33.1 | 43.9 | 44.1 | 29.7 | 23.9 | | |
| AVG: | 11.66 | 11.01 | 12.31 | 12.08 | 12.30 | 12.55 | 13.23 | 14.77 | 11.53 | 10.70 | 9.43 | 7.63 | 7.17 | 7.75 | 7.01 | 7.21 | 8.30 | 8.79 | 9.29 | 10.94 | 11.50 | 11.53 | 11.70 | 11.74 | | |

MONTHLY OBSERVATIONS: 738 MONTHLY MEAN: 10.52 MONTHLY MAX: 44.1

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 3
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: APRIL 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.6 | 6.6 | 9.3 | 6.6 | 5.0 | 4.5 | 3.7 | BA | BA | BA | AX | AX | 1.7 | 1.9 | 4.4 | 3.7 | 2.4 | 7.0 | 4.9 | 4.1 | 8.0 | 8.0 | 5.4 | 3.4 | 19 | 9.3 |
| 2 | 2.7 | 3.4 | 5.1 | 3.7 | 4.7 | 9.0 | 5.4 | 6.1 | 4.2 | 3.7 | .7 | 3.2 | 3.2 | 1.4 | 5.4 | 5.4 | 3.4 | 3.4 | 4.2 | 5.2 | 3.9 | 2.9 | 3.4 | 4.4 | 24 | 9.0 |
| 3 | 6.6 | 2.7 | .2 | 3.7 | 3.0 | 7.1 | 6.8 | 3.4 | 2.7 | 2.0 | 2.7 | 3.4 | 1.0 | .2 | 3.4 | 2.4 | 2.2 | 2.4 | 1.2 | 1.2 | .7 | 3.9 | 5.2 | 5.9 | 24 | 7.1 |
| 4 | 2.7 | 3.5 | 4.7 | 8.8 | 10.0 | 9.8 | 9.5 | 9.3 | 8.0 | 4.2 | .3 | 3.9 | 5.6 | 3.7 | 1.5 | 1.5 | 2.9 | .7 | 5.6 | 5.2 | 7.3 | 9.7 | 11.5 | 10.0 | 24 | 11.5 |
| 5 | 8.1 | 8.6 | 7.1 | 8.6 | 9.0 | 7.6 | 9.5 | 6.9 | 4.2 | 5.2 | 5.0 | 1.5 | 1.5 | 4.2 | 5.4 | 4.0 | 2.7 | 5.4 | 4.2 | 4.2 | 8.3 | 6.6 | 19.7 | 11.8 | 24 | 19.7 |
| 6 | 12.7 | 9.5 | 13.9 | 11.5 | 11.8 | 14.7 | 13.9 | 9.3 | 8.1 | 6.4 | 6.4 | 7.4 | 4.2 | 1.2 | 3.2 | 3.7 | 4.7 | 8.1 | 23.7 | 31.4 | 38.6 | 25.6 | 15.4 | 14.7 | 24 | 38.6 |
| 7 | 17.3 | 14.7 | 13.1 | 13.7 | 12.0 | 8.1 | 5.9 | 4.7 | 6.4 | 3.5 | 3.0 | 3.7 | 3.2 | 3.7 | 2.7 | 1.5 | 4.0 | 5.0 | 9.1 | 5.9 | 4.2 | 6.9 | 9.1 | 6.1 | 24 | 17.3 |
| 8 | 3.0 | 2.0 | 3.0 | 7.4 | 4.2 | 2.2 | 4.2 | 5.2 | 4.3 | 4.0 | 2.3 | 1.0 | 4.2 | 2.2 | 3.0 | 2.0 | -1.5 | 2.5 | 5.2 | 7.6 | 4.7 | 3.7 | 6.6 | 4.0 | 24 | 7.6 |
| 9 | -.7 | 2.2 | 2.7 | 5.2 | 4.0 | .7 | -.5 | 5.7 | 5.2 | 6.9 | 9.3 | 6.6 | 2.0 | -.4 | .2 | 1.3 | 4.7 | 2.5 | .0 | .7 | 2.2 | 1.5 | 3.7 | 5.9 | 24 | 9.3 |
| 10 | 5.0 | 2.2 | 5.2 | 8.1 | 4.2 | .3 | 3.5 | 5.2 | 6.2 | 8.1 | 4.7 | 4.7 | 6.1 | 4.9 | 5.2 | 5.4 | 4.2 | 5.0 | 4.2 | 3.7 | 3.0 | 8.8 | 8.1 | 6.2 | 24 | 8.8 |
| 11 | 6.6 | 6.9 | 6.2 | 7.6 | 5.7 | 7.1 | 9.1 | 6.4 | 6.2 | 5.5 | 7.1 | 5.0 | 6.4 | 10.8 | 8.3 | 5.9 | 9.3 | 6.9 | 8.8 | 7.1 | 7.8 | 13.4 | 14.4 | 11.7 | 24 | 14.4 |
| 12 | 12.0 | 13.0 | 8.6 | 8.1 | 11.8 | 14.2 | 11.5 | 12.0 | 11.3 | 9.1 | 13.5 | 15.1 | 6.9 | 7.1 | 6.4 | 4.4 | 3.0 | 4.4 | 4.2 | 4.0 | 5.7 | 6.1 | 5.2 | 6.6 | 24 | 15.1 |
| 13 | 8.8 | 11.0 | 9.1 | 13.0 | 11.0 | 13.0 | 10.5 | 10.8 | 6.9 | 5.0 | 7.1 | 11.3 | 9.0 | 8.1 | 12.7 | 11.2 | 9.0 | 10.5 | 12.0 | 11.5 | 9.3 | 9.1 | 17.3 | 17.1 | 24 | 17.3 |
| 14 | 12.5 | 15.6 | 21.4 | 20.2 | 15.4 | 15.6 | 11.3 | 12.0 | 10.5 | 8.8 | 8.8 | 6.9 | 8.1 | 8.5 | 9.8 | 9.3 | 13.5 | 11.2 | 9.0 | 14.4 | 15.9 | 11.7 | 10.0 | 13.6 | 24 | 21.4 |
| 15 | 19.0 | 10.5 | 11.0 | 9.3 | 6.6 | 11.8 | 10.8 | 10.3 | 8.8 | 6.4 | 7.8 | 6.4 | 3.7 | 3.0 | 5.2 | 7.6 | 9.6 | 6.1 | 6.6 | 6.9 | 14.2 | 13.4 | 16.4 | 10.3 | 24 | 19.0 |
| 16 | 15.2 | 10.3 | 7.1 | 8.3 | 8.6 | 10.0 | 10.3 | 9.8 | 5.2 | 2.5 | 2.5 | -.2 | -.4 | 2.5 | 2.2 | 2.2 | 3.2 | 4.0 | 7.1 | 6.2 | 16.1 | 19.5 | 14.2 | 20.0 | 24 | 20.0 |
| 17 | 15.4 | 15.6 | 13.0 | 12.0 | 13.2 | 11.5 | 12.0 | 10.3 | 12.3 | 7.8 | 7.4 | 11.5 | 6.6 | 5.7 | 3.5 | 2.0 | 3.0 | 4.0 | 2.7 | 16.1 | 16.6 | 15.4 | 16.4 | 17.8 | 24 | 17.8 |
| 18 | 18.3 | 19.5 | 16.6 | 12.0 | 17.1 | 14.7 | 12.8 | 9.3 | 9.6 | 8.3 | 5.7 | 7.1 | 8.8 | 5.0 | 2.0 | 4.7 | 9.5 | 7.1 | 5.0 | 8.1 | 9.1 | 6.6 | 6.9 | 5.4 | 24 | 19.5 |
| 19 | 9.8 | 12.8 | 9.1 | 13.2 | 18.5 | 22.0 | 15.6 | 15.6 | 8.3 | BA | AX | 8.3 | 6.8 | 8.0 | 12.5 | 7.8 | 7.1 | 6.3 | 9.0 | 15.1 | 15.3 | 20.2 | 23.6 | 27.5 | 22 | 27.5 |
| 20 | 22.9 | 25.1 | 27.3 | 23.9 | 13.6 | 11.7 | 13.2 | 11.0 | 9.3 | 6.8 | 5.2 | 3.4 | 4.7 | 5.9 | 4.7 | 8.5 | 9.0 | 14.3 | 12.4 | 12.2 | 15.6 | 14.6 | 10.0 | 11.5 | 24 | 27.3 |
| 21 | 15.1 | 13.5 | 13.0 | 12.2 | 15.4 | 17.1 | 17.5 | 16.6 | 12.4 | 11.0 | 12.0 | 6.8 | 8.0 | 11.9 | 10.0 | 5.6 | 7.5 | 10.2 | 7.6 | 8.8 | 9.5 | 11.0 | 12.2 | 10.8 | 24 | 17.5 |
| 22 | 10.5 | 10.5 | 8.5 | 7.6 | 10.5 | 8.3 | 10.5 | 11.2 | 10.8 | 17.3 | 12.2 | 12.7 | 11.2 | 9.7 | 14.6 | 10.0 | 8.0 | 5.4 | 8.8 | 10.3 | 8.3 | 9.0 | 11.0 | 8.3 | 24 | 17.3 |
| 23 | 8.5 | 12.0 | 9.8 | 12.0 | 6.1 | 2.7 | 4.9 | 4.7 | 3.7 | 4.2 | 5.9 | 3.9 | 4.7 | 5.6 | 3.9 | 3.4 | 5.4 | 7.1 | 7.5 | 6.8 | 8.0 | 8.0 | 7.6 | 9.0 | 24 | 12.0 |
| 24 | 10.0 | 10.8 | 12.0 | 11.2 | 8.5 | 7.3 | 11.5 | 12.5 | 9.0 | 6.8 | 5.2 | 10.0 | 8.3 | 7.8 | 7.0 | 4.7 | 6.1 | 9.0 | 6.1 | 13.6 | 13.4 | 7.8 | 9.0 | 9.3 | 24 | 13.6 |
| 25 | 13.2 | 10.2 | 11.7 | 14.9 | 17.3 | 20.5 | 13.9 | 12.0 | 9.3 | 14.1 | 11.9 | 7.8 | 5.6 | 5.4 | 8.5 | 10.5 | 9.5 | 5.1 | 7.8 | 5.4 | 7.8 | 18.0 | 9.2 | 10.0 | 24 | 20.5 |
| 26 | 13.4 | 9.5 | 11.0 | 9.3 | 9.7 | 9.5 | 10.7 | 10.7 | 14.1 | 12.9 | 8.2 | 9.0 | 7.3 | 4.4 | 6.1 | 11.7 | 11.4 | 8.7 | 8.0 | 8.2 | 12.4 | 16.0 | 15.1 | 13.7 | 24 | 16.0 |
| 27 | 11.9 | 8.0 | 12.2 | 10.4 | 11.0 | 14.6 | 19.9 | 14.6 | 15.1 | 17.5 | 14.8 | 18.2 | 14.8 | 14.8 | 27.2 | 11.7 | 8.7 | 6.5 | 15.8 | 11.7 | 10.9 | 11.9 | 10.2 | 10.0 | 24 | 27.2 |
| 28 | 9.2 | 10.9 | 17.0 | 12.4 | 10.5 | 13.7 | 15.6 | 11.9 | 17.2 | 15.8 | 11.9 | 15.8 | 10.2 | 10.0 | 9.2 | 7.0 | 6.6 | 13.1 | 14.6 | 10.2 | 13.6 | 11.4 | 14.3 | 13.2 | 24 | 17.2 |
| 29 | 10.2 | 13.2 | 10.5 | 13.8 | 13.4 | 12.2 | 12.7 | 9.7 | 13.7 | 7.0 | 3.4 | 4.6 | 2.9 | 2.9 | 2.6 | 8.5 | 6.5 | 5.1 | 6.8 | 9.5 | 12.7 | 14.8 | 15.3 | 7.0 | 24 | 15.3 |
| 30 | 13.2 | 10.2 | 11.0 | 14.3 | 14.6 | 16.3 | 16.8 | 9.3 | 9.3 | 8.3 | 5.6 | 5.4 | 4.9 | 3.2 | 4.4 | 5.8 | 5.1 | 8.0 | 10.5 | 9.5 | 6.1 | 7.3 | 3.7 | 5.6 | 24 | 16.8 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 28 | 28 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 22.9 | 25.1 | 27.3 | 23.9 | 18.5 | 22.0 | 19.9 | 16.6 | 17.2 | 17.5 | 14.8 | 18.2 | 14.8 | 14.8 | 27.2 | 11.7 | 13.5 | 14.3 | 23.7 | 31.4 | 38.6 | 25.6 | 23.6 | 27.5 | | |
| AVG: | 10.66 | 10.15 | 10.35 | 10.77 | 10.21 | 10.59 | 10.43 | 9.53 | 8.70 | 7.83 | 6.81 | 7.05 | 5.71 | 5.44 | 6.51 | 5.78 | 6.02 | 6.50 | 7.75 | 8.83 | 10.31 | 10.76 | 11.00 | 10.36 | | |

MONTHLY OBSERVATIONS: 713 MONTHLY MEAN: 8.68 MONTHLY MAX: 38.6

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 3
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MAY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.9 | 2.0 | .0 | -1.0 | 1.0 | .9 | 1.2 | 2.4 | 1.7 | 2.7 | .5 | -.5 | 3.4 | 2.7 | 7.3 | 8.2 | 7.0 | 7.3 | 7.5 | 6.8 | 10.4 | 10.0 | 9.2 | 6.6 | 24 | 10.4 |
| 2 | 6.1 | 3.9 | 8.0 | 9.0 | 9.7 | 7.0 | 9.7 | 10.2 | 9.2 | 7.7 | 9.2 | AX | AX | BA | 14.8 | 12.6 | 10.4 | 11.8 | 9.4 | 15.3 | 10.2 | 7.7 | 6.0 | 5.1 | 21 | 15.3 |
| 3 | 3.1 | 1.0 | 3.4 | 2.1 | 4.4 | 6.0 | 4.6 | 6.0 | 6.0 | 4.8 | 1.2 | 3.8 | 2.4 | 1.6 | 4.1 | 4.1 | 10.6 | 8.4 | 4.8 | 3.1 | 7.0 | 7.2 | 7.2 | 12.4 | 24 | 12.4 |
| 4 | 7.5 | 5.3 | 4.4 | 8.5 | 10.2 | 7.7 | 5.6 | 6.8 | 6.7 | 5.1 | 2.6 | 3.4 | 3.6 | 2.4 | 3.9 | 4.4 | 4.6 | 5.1 | 4.3 | 6.0 | 6.5 | 6.1 | 5.6 | 6.8 | 24 | 10.2 |
| 5 | 6.1 | 4.9 | 2.4 | 3.6 | 2.9 | 2.2 | 4.4 | 5.3 | 3.7 | 1.9 | 3.1 | 4.6 | AZ | AZ | 3.9 | 3.4 | 1.9 | 1.0 | 2.7 | 3.2 | 1.7 | .7 | .0 | .3 | 22 | 6.1 |
| 6 | .7 | 2.5 | 3.2 | 2.7 | 5.4 | 5.9 | 4.2 | 2.5 | 2.7 | 7.8 | 6.3 | 6.8 | 7.1 | 4.7 | 2.9 | 2.7 | 5.8 | 4.9 | 6.3 | 4.2 | 4.2 | 5.2 | 4.7 | 6.9 | 24 | 7.8 |
| 7 | 5.9 | 6.4 | 8.3 | 5.2 | 8.5 | 7.1 | 7.8 | 8.0 | 4.2 | 7.6 | 6.1 | 3.7 | 3.7 | 6.6 | 6.1 | 5.1 | 6.8 | 5.4 | 7.8 | 7.1 | 6.3 | 8.8 | 8.3 | 5.6 | 24 | 8.8 |
| 8 | 9.0 | 6.3 | 9.3 | 6.8 | 10.0 | 8.5 | 9.8 | 7.8 | 11.7 | 9.5 | 9.5 | 7.1 | 4.4 | 9.5 | 8.0 | 10.5 | 10.0 | 10.7 | 9.3 | 13.9 | 11.7 | 11.2 | 11.5 | 11.0 | 24 | 13.9 |
| 9 | 13.7 | 8.8 | 9.5 | 8.0 | 9.5 | 10.5 | 11.7 | 8.5 | 8.8 | 9.7 | 12.0 | 12.2 | 11.0 | 8.8 | 10.0 | 12.2 | 11.7 | 15.1 | 17.5 | 21.4 | 15.6 | 20.7 | 15.8 | 17.3 | 24 | 21.4 |
| 10 | 14.6 | 16.8 | 19.9 | 20.2 | 17.0 | 18.0 | 18.0 | 19.4 | 9.5 | 9.5 | 9.0 | 14.6 | 9.2 | 13.9 | 11.2 | 13.1 | 10.9 | 12.6 | 12.9 | 13.9 | 18.6 | 16.5 | 14.6 | 14.3 | 24 | 20.2 |
| 11 | 15.8 | 14.1 | 17.0 | 20.1 | 14.3 | 17.2 | 16.7 | 15.3 | 14.1 | 15.5 | 17.0 | 16.0 | 13.4 | 14.4 | 13.1 | 10.4 | 12.1 | 10.2 | 9.4 | 12.6 | 17.2 | 14.5 | 13.1 | 19.9 | 24 | 20.1 |
| 12 | 14.1 | 14.1 | 19.4 | 14.3 | 11.2 | 17.4 | 4.9 | 9.2 | 9.7 | 10.4 | 13.1 | 9.2 | 13.4 | 14.4 | 13.1 | 10.7 | 14.5 | 13.9 | 8.7 | 9.7 | 13.1 | 10.2 | 9.0 | 10.7 | 24 | 19.4 |
| 13 | 9.5 | 8.5 | 9.4 | 12.1 | 13.4 | 14.3 | 17.4 | 10.9 | 8.5 | 6.0 | 3.6 | 4.6 | 4.9 | 2.9 | 2.9 | 1.6 | 3.1 | 4.9 | 7.3 | 7.2 | 3.9 | 2.7 | 10.2 | 9.5 | 24 | 17.4 |
| 14 | 8.5 | 5.6 | 9.7 | 7.5 | 5.1 | 9.0 | 9.5 | 6.3 | 3.4 | 4.4 | 6.5 | 3.9 | 1.6 | 2.1 | 5.6 | 4.9 | 6.8 | 6.8 | 5.1 | 2.4 | 4.6 | 6.1 | 9.5 | 6.3 | 24 | 9.7 |
| 15 | 8.5 | 7.3 | 7.5 | 7.3 | 5.6 | 2.7 | 2.9 | 4.2 | 1.9 | 3.4 | 3.2 | 1.9 | 3.7 | 5.1 | 3.6 | 1.4 | 2.4 | .9 | 2.4 | 5.6 | 4.9 | 2.2 | 1.7 | 7.8 | 24 | 8.5 |
| 16 | 8.0 | 5.9 | 7.0 | 7.3 | 5.9 | 8.5 | 5.6 | 7.3 | 6.3 | 6.6 | 6.8 | 5.1 | 2.4 | 7.3 | BA | BA | 5.8 | 9.7 | 7.7 | 6.3 | 6.3 | 7.3 | 13.8 | 11.2 | 22 | 13.8 |
| 17 | 12.9 | 10.0 | 9.5 | 13.6 | 15.3 | 10.7 | 12.4 | 17.2 | 9.0 | 13.2 | 12.2 | 8.5 | 7.3 | 11.7 | 6.5 | 6.8 | 6.8 | 9.2 | 6.3 | 9.5 | 6.5 | 4.6 | 13.6 | 12.4 | 24 | 17.2 |
| 18 | 11.9 | 9.5 | 13.2 | 11.4 | 13.7 | 8.3 | 12.2 | 8.2 | 9.2 | 8.5 | 10.2 | 8.0 | 8.7 | 8.7 | 7.8 | 7.7 | 8.2 | 9.5 | 6.5 | 8.0 | 7.3 | 9.2 | 6.3 | 5.6 | 24 | 13.7 |
| 19 | 10.0 | 9.0 | 8.3 | 6.1 | 4.9 | 5.6 | 4.9 | 6.6 | 7.5 | 5.8 | 6.6 | 7.0 | 7.3 | 8.7 | 5.6 | 6.3 | 4.9 | 2.9 | 7.8 | 8.0 | 10.0 | 7.1 | 7.3 | 9.5 | 24 | 10.0 |
| 20 | 5.9 | 9.2 | 11.0 | 7.3 | 13.7 | 12.9 | 11.4 | 8.0 | 9.5 | 11.2 | 10.0 | 7.5 | 7.3 | 7.1 | 4.4 | 7.8 | 9.5 | 7.7 | 8.0 | 4.7 | 5.1 | 5.1 | 1.9 | .0 | 24 | 13.7 |
| 21 | .8 | .9 | 1.4 | 1.2 | 1.9 | 1.0 | 2.2 | 8.7 | 8.0 | 4.6 | 5.3 | 4.6 | 3.6 | 4.6 | .7 | -.8 | 2.4 | 4.6 | 3.1 | 2.7 | 3.6 | 7.5 | 8.0 | 6.5 | 24 | 8.7 |
| 22 | 5.1 | 4.7 | 6.3 | 8.5 | 8.2 | 8.0 | 6.8 | 4.4 | 3.6 | 5.3 | 5.1 | 5.1 | 9.7 | 5.8 | 9.0 | 6.8 | 9.5 | 7.8 | 6.1 | 8.0 | 6.5 | 5.8 | 5.6 | 4.2 | 24 | 9.7 |
| 23 | 6.3 | 5.4 | 5.4 | 4.7 | 3.9 | 3.9 | 4.9 | 5.4 | 5.8 | 2.9 | .0 | .5 | .5 | 2.4 | 1.4 | .5 | 2.2 | 4.2 | 3.9 | 3.4 | 3.4 | 5.8 | 7.1 | 9.3 | 24 | 9.3 |
| 24 | 4.9 | 6.3 | 7.3 | 4.7 | 3.2 | 4.9 | 6.1 | 3.9 | .9 | .8 | 3.6 | 4.7 | 4.6 | 5.8 | 7.0 | 6.3 | 4.7 | 5.6 | 9.2 | 12.4 | 12.4 | 9.0 | 14.8 | 12.2 | 24 | 14.8 |
| 25 | 16.3 | 13.7 | 9.5 | 9.5 | 9.3 | 11.7 | 12.2 | 11.2 | 9.0 | 9.7 | 9.7 | 12.9 | 10.2 | 11.9 | 9.7 | 11.9 | 9.2 | 11.7 | 15.3 | 17.0 | 15.5 | 17.7 | 18.4 | 20.4 | 24 | 20.4 |
| 26 | 21.6 | 19.7 | 24.8 | 25.8 | 22.4 | 22.6 | 18.9 | 19.4 | 19.7 | AX | AX | 10.7 | 17.2 | 16.2 | 14.4 | 20.1 | 27.4 | 17.9 | 20.1 | 18.9 | 16.2 | 19.6 | 18.4 | 22.1 | 22 | 27.4 |
| 27 | 18.9 | 12.6 | 17.4 | 17.9 | 19.6 | 18.9 | 14.1 | 17.4 | 14.1 | 21.6 | 16.2 | 14.1 | 19.1 | 14.6 | 17.2 | 13.1 | 17.7 | 12.9 | 17.2 | 13.4 | 13.6 | 13.9 | 15.3 | 13.9 | 24 | 21.6 |
| 28 | 11.4 | 17.4 | 15.2 | 15.2 | 15.5 | 8.7 | 12.9 | 12.1 | 9.9 | 8.9 | 12.4 | 7.9 | 7.2 | 7.7 | 10.2 | 9.9 | 10.2 | 9.7 | 9.4 | 12.6 | 9.4 | 9.4 | 18.6 | 21.1 | 24 | 21.1 |
| 29 | 17.2 | 11.9 | 19.6 | 13.9 | 16.0 | 14.3 | 12.4 | 17.0 | 10.4 | 12.1 | 9.2 | 9.7 | 7.7 | 6.5 | 7.7 | 8.7 | 5.3 | 4.8 | 6.1 | 6.5 | 6.8 | 10.2 | 11.4 | 9.7 | 24 | 19.6 |
| 30 | 6.5 | 10.2 | 8.0 | 6.3 | 7.7 | 9.7 | 10.9 | 9.2 | 5.1 | 3.6 | 6.5 | 6.8 | 6.5 | 5.8 | 2.9 | .5 | 1.0 | 1.0 | 4.4 | 4.1 | 5.6 | 8.5 | 9.0 | 8.0 | 24 | 10.9 |
| 31 | 5.6 | 7.7 | 8.7 | 6.7 | 8.7 | 5.6 | 7.5 | 6.5 | 5.3 | 6.0 | 7.0 | 9.2 | 7.7 | 5.3 | 4.4 | 5.8 | 7.5 | 5.3 | 8.7 | 7.5 | 3.9 | 3.9 | 4.6 | 7.3 | 24 | 9.2 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 29 | 29 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 21.6 | 19.7 | 24.8 | 25.8 | 22.4 | 22.6 | 18.9 | 19.4 | 19.7 | 21.6 | 17.0 | 16.0 | 19.1 | 16.2 | 17.2 | 20.1 | 27.4 | 17.9 | 20.1 | 21.4 | 18.6 | 20.7 | 18.6 | 22.1 | | |
| AVG: | 9.40 | 8.44 | 9.81 | 9.24 | 9.62 | 9.35 | 9.15 | 9.20 | 7.58 | 7.56 | 7.46 | 7.12 | 7.20 | 7.56 | 7.31 | 7.22 | 8.09 | 7.85 | 8.23 | 8.88 | 8.65 | 8.85 | 9.69 | 10.13 | | |

MONTHLY OBSERVATIONS: 735 MONTHLY MEAN: 8.50 MONTHLY MAX: 27.4

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 3
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JUNE 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.0 | 8.2 | 5.0 | 9.1 | 6.0 | 6.2 | 5.3 | 6.7 | 6.0 | 6.2 | 4.6 | 6.0 | 9.4 | 11.3 | 6.2 | 4.3 | 4.6 | 3.3 | 5.0 | 5.0 | 9.4 | 6.5 | 5.8 | 9.1 | 24 | 11.3 |
| 2 | 8.9 | 5.5 | 4.6 | 4.8 | 3.8 | 3.6 | 8.6 | 11.8 | 12.3 | 15.2 | 9.9 | 16.2 | 15.4 | 14.1 | 10.6 | 8.9 | 13.6 | 7.7 | 5.0 | 3.6 | 3.1 | 3.3 | 4.8 | 3.1 | 24 | 16.2 |
| 3 | 4.8 | 3.3 | 2.3 | 2.4 | 2.3 | 4.3 | 4.6 | 9.6 | 10.1 | 12.1 | 17.1 | 7.4 | 8.6 | 6.7 | 10.8 | 8.4 | 11.3 | 14.3 | 18.3 | 11.1 | 12.1 | 8.1 | 9.9 | 9.9 | 24 | 18.3 |
| 4 | 10.4 | 7.2 | 8.6 | 5.7 | 8.2 | 8.2 | 5.3 | 9.6 | 15.2 | 10.4 | 13.3 | 11.8 | 9.1 | 7.7 | 11.1 | 13.0 | 12.6 | 11.3 | 7.2 | 5.3 | 3.1 | 4.0 | 6.2 | 7.2 | 24 | 15.2 |
| 5 | 5.7 | 6.7 | 7.4 | 8.4 | 8.2 | 8.9 | 10.6 | 10.1 | 7.6 | 8.6 | 10.4 | 6.9 | 5.0 | 5.0 | 2.8 | 2.1 | 1.4 | 3.1 | 4.5 | 4.1 | 2.8 | 1.6 | 3.6 | 2.8 | 24 | 10.6 |
| 6 | .4 | -.2 | 1.4 | 1.6 | .4 | .4 | 1.8 | 2.6 | 3.8 | 3.6 | 3.8 | 4.8 | 2.8 | 4.0 | 6.2 | 6.0 | 5.5 | 9.8 | 6.7 | 4.0 | 3.8 | 4.8 | 3.8 | 1.6 | 24 | 9.8 |
| 7 | -2.7 | -4.5 | -1.8 | 1.4 | 1.8 | 4.3 | 4.0 | 5.5 | 3.5 | 5.7 | 5.0 | 3.6 | 5.5 | 3.8 | 2.6 | 4.5 | 2.1 | .2 | 3.8 | 3.6 | 6.4 | 4.3 | 6.0 | 7.2 | 24 | 7.2 |
| 8 | 6.2 | 5.0 | 2.6 | 3.1 | 7.7 | 7.2 | 6.5 | 5.1 | 6.5 | 5.8 | 5.8 | 4.1 | 1.9 | 3.6 | 3.3 | 1.6 | 4.1 | 5.3 | 6.2 | 6.0 | 6.0 | 6.2 | 8.7 | 9.9 | 24 | 9.9 |
| 9 | 13.1 | 11.1 | 8.9 | 8.4 | 6.7 | 7.0 | 6.7 | 8.2 | AX | AX | BA | 8.9 | 7.2 | 5.7 | 4.8 | 6.7 | 3.8 | 6.7 | 7.2 | 10.6 | 7.9 | 10.8 | 16.9 | 18.1 | 21 | 18.1 |
| 10 | 15.7 | 7.2 | 8.9 | 13.1 | 11.3 | 8.2 | 8.4 | 4.8 | 5.3 | 4.3 | 6.2 | 8.7 | 6.9 | 7.7 | 9.4 | 5.5 | 8.2 | 6.2 | 7.0 | 11.6 | 13.8 | 14.3 | 12.3 | 10.9 | 24 | 15.7 |
| 11 | 13.8 | 10.4 | 15.5 | 13.3 | 14.3 | 13.8 | 13.1 | 8.9 | 9.9 | 11.1 | 11.1 | 7.2 | 6.5 | 8.2 | 10.6 | 8.6 | 9.9 | 7.9 | 7.4 | 13.3 | 16.9 | 18.4 | 13.1 | 17.6 | 24 | 18.4 |
| 12 | 13.1 | 23.1 | 20.1 | 17.4 | 17.9 | 19.4 | 13.6 | 15.5 | 10.6 | 13.3 | 12.1 | 10.6 | 9.6 | 6.9 | 6.7 | 8.4 | 11.8 | 11.6 | 11.3 | 12.1 | 17.9 | 13.3 | 16.2 | 16.0 | 24 | 23.1 |
| 13 | 20.3 | 18.8 | 16.4 | 19.6 | 22.3 | 26.0 | 19.4 | 16.7 | 10.2 | 10.6 | 15.2 | 16.2 | 12.8 | 7.7 | 3.8 | 7.9 | 19.1 | 10.6 | 19.8 | 17.6 | 22.8 | 19.8 | 24.0 | 18.1 | 24 | 26.0 |
| 14 | 26.7 | 19.9 | 17.6 | 14.5 | 14.7 | 9.4 | 9.9 | 12.3 | 14.1 | 15.7 | 14.7 | 10.6 | 16.4 | 6.9 | 7.9 | 10.8 | 10.6 | 9.8 | 8.6 | 12.6 | 9.1 | 5.0 | 7.0 | 6.2 | 24 | 26.7 |
| 15 | 5.7 | 3.6 | 5.7 | 8.2 | 5.5 | 9.9 | 12.1 | 8.2 | 10.1 | 15.2 | 10.4 | 14.7 | 16.6 | 9.4 | 9.1 | 6.9 | 7.7 | 10.6 | 13.3 | 14.3 | 7.4 | 11.3 | 12.4 | 6.7 | 24 | 16.6 |
| 16 | 7.9 | 4.6 | 5.0 | 5.3 | 6.7 | 9.4 | 9.1 | 5.5 | 4.5 | 3.6 | 2.3 | 3.3 | 6.7 | 5.0 | 5.0 | 3.8 | 1.8 | 4.0 | 5.7 | 10.4 | 7.9 | 5.0 | 7.2 | 9.4 | 24 | 10.4 |
| 17 | 10.1 | 6.5 | 12.6 | 10.4 | 8.4 | 6.7 | 8.2 | 5.5 | 3.3 | 4.6 | 8.9 | 6.9 | 3.8 | 6.0 | 5.5 | 4.8 | 4.6 | 5.3 | 3.6 | .7 | 1.2 | 3.6 | 4.1 | 5.5 | 24 | 12.6 |
| 18 | 3.1 | 5.3 | 8.9 | 6.2 | 5.0 | 3.8 | 10.6 | 6.9 | 4.1 | 6.2 | 5.5 | 4.1 | 4.6 | 7.5 | 5.0 | 4.8 | 8.6 | 6.0 | 5.8 | 5.1 | 5.8 | 10.1 | 9.9 | 8.2 | 24 | 10.6 |
| 19 | 7.5 | 8.9 | 10.2 | 9.4 | 7.5 | 8.2 | 7.9 | 5.1 | 6.0 | 5.0 | 3.6 | 3.8 | 4.1 | 3.8 | 2.8 | 3.8 | 4.6 | 4.8 | 4.8 | 3.8 | 4.8 | 39.9 | 12.6 | 16.4 | 24 | 39.9 |
| 20 | 13.3 | 8.2 | 8.0 | 8.9 | 8.2 | 11.4 | 8.0 | 5.8 | 5.3 | 7.2 | 4.6 | 7.2 | 5.3 | 7.7 | 7.7 | 7.0 | 7.4 | 4.6 | 7.7 | 9.2 | 11.4 | 12.1 | 10.4 | 11.6 | 24 | 13.3 |
| 21 | 12.4 | 9.7 | 11.1 | 14.5 | 15.3 | 14.5 | 9.7 | 9.9 | 8.7 | 9.7 | 7.7 | 6.7 | 3.8 | 7.2 | 7.7 | 6.5 | 7.0 | 11.6 | 10.1 | 12.6 | 10.1 | 13.1 | 13.8 | 10.6 | 24 | 15.3 |
| 22 | 8.2 | 10.1 | 13.9 | 10.2 | 11.6 | 13.9 | 9.6 | 7.5 | 6.0 | 7.0 | 9.4 | 11.1 | 13.8 | 12.1 | 10.4 | 9.4 | 8.2 | 7.9 | 15.2 | 16.4 | 12.6 | 11.8 | 10.4 | 15.0 | 24 | 16.4 |
| 23 | 13.6 | 16.4 | 15.5 | 23.0 | 11.6 | 11.9 | 14.1 | 15.7 | AX | BA | 11.8 | 13.8 | 10.1 | 9.6 | 8.9 | 11.5 | 7.9 | 14.3 | 13.3 | 15.4 | 13.3 | 14.6 | 14.7 | 10.1 | 22 | 23.0 |
| 24 | 5.2 | 3.3 | 10.4 | 6.2 | 4.1 | 5.0 | 5.5 | 10.1 | 6.7 | 13.6 | 7.9 | 5.0 | 4.8 | 5.0 | 7.4 | 8.4 | 10.4 | 8.4 | 6.5 | 9.1 | 8.9 | 8.6 | 10.4 | 7.2 | 24 | 13.6 |
| 25 | 11.6 | 10.6 | 15.4 | 12.1 | 10.4 | 10.1 | 12.6 | 9.2 | 7.9 | 8.4 | 7.4 | 7.9 | 8.4 | 5.7 | 3.6 | 7.7 | 8.9 | 7.7 | 7.7 | 8.9 | 6.2 | 7.2 | 8.6 | 6.0 | 24 | 15.4 |
| 26 | 15.0 | 4.6 | 7.7 | 11.3 | 7.4 | 8.2 | 7.4 | 8.4 | 10.1 | 14.3 | 11.1 | 8.2 | 11.8 | 11.6 | 9.6 | 6.2 | 10.9 | 8.4 | 9.9 | 12.1 | 9.4 | 13.1 | 8.6 | 13.8 | 24 | 15.0 |
| 27 | 11.6 | 12.6 | 11.6 | 11.6 | 12.8 | 16.2 | 14.3 | 15.0 | 12.1 | 12.3 | 13.6 | 11.3 | 14.1 | 13.3 | 13.8 | 8.2 | 6.0 | 5.3 | 10.1 | 8.4 | 9.9 | 9.4 | 5.3 | 6.0 | 24 | 16.2 |
| 28 | 13.1 | 8.4 | 8.9 | 6.7 | 8.6 | 8.6 | 12.8 | 8.9 | 5.5 | 7.9 | 9.8 | 10.4 | 8.2 | 4.8 | 8.9 | 6.9 | 4.0 | 10.6 | 10.6 | 7.7 | 10.8 | 11.1 | 7.7 | 9.4 | 24 | 13.1 |
| 29 | 7.2 | 9.1 | 15.4 | 6.4 | 9.4 | 12.3 | 10.9 | 10.8 | 7.4 | 5.5 | 6.7 | 7.7 | 6.7 | 5.2 | 9.4 | 6.0 | 6.7 | 7.2 | 5.2 | 5.7 | 12.8 | 13.0 | 7.4 | 4.3 | 24 | 15.4 |
| 30 | 5.5 | 6.4 | 9.4 | 6.2 | 11.3 | 16.2 | 14.1 | 13.1 | 15.7 | 14.7 | 12.1 | 10.1 | 12.6 | 20.3 | 14.7 | 10.8 | 16.6 | 15.4 | 15.4 | 13.5 | 12.8 | 6.2 | 2.1 | 5.7 | 24 | 20.3 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 28 | 28 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 26.7 | 23.1 | 20.1 | 23.0 | 22.3 | 26.0 | 19.4 | 16.7 | 15.7 | 15.7 | 17.1 | 16.2 | 16.6 | 20.3 | 14.7 | 13.0 | 19.1 | 15.4 | 19.8 | 17.6 | 22.8 | 39.9 | 24.0 | 18.1 | | |
| AVG: | 9.78 | 8.33 | 9.57 | 9.31 | 8.98 | 9.77 | 9.49 | 9.10 | 8.16 | 9.21 | 9.03 | 8.51 | 8.42 | 7.78 | 7.54 | 6.98 | 8.00 | 8.00 | 8.76 | 9.13 | 9.35 | 10.35 | 9.46 | 9.45 | | |

MONTHLY OBSERVATIONS: 715 MONTHLY MEAN: 8.85 MONTHLY MAX: 39.9

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 3
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JULY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.3 | 2.6 | 4.8 | 4.0 | 2.1 | 5.0 | 12.6 | 9.6 | 9.4 | 8.4 | 12.6 | 9.8 | 9.4 | 7.9 | 6.2 | 6.9 | 7.6 | 12.1 | 14.6 | 10.8 | 10.8 | 17.4 | 17.4 | 10.6 | 24 | 17.4 |
| 2 | 12.3 | 15.2 | 13.3 | 10.1 | 12.3 | 12.6 | 12.6 | 15.2 | 12.8 | 15.2 | 17.6 | 12.8 | 9.8 | 12.1 | 11.1 | 12.3 | 15.4 | 10.8 | 14.3 | 15.7 | 14.9 | 14.6 | 9.6 | 7.2 | 24 | 17.6 |
| 3 | 9.8 | 5.2 | 4.8 | 14.1 | 12.8 | 9.1 | 4.5 | 8.4 | 7.4 | 6.4 | 6.9 | 5.7 | 9.8 | 9.8 | 11.6 | 15.7 | 10.3 | 9.4 | 12.5 | 19.3 | 26.4 | 14.0 | 19.1 | 14.8 | 24 | 26.4 |
| 4 | .0 | .7 | 4.5 | 2.8 | .1 | 3.1 | 4.0 | 4.8 | 5.7 | 9.8 | 12.3 | 10.1 | 9.1 | 13.5 | 17.1 | 12.8 | 16.1 | 19.0 | 14.3 | 15.9 | 20.6 | 24.2 | 24.7 | 22.5 | 24 | 24.7 |
| 5 | 18.8 | 16.1 | 16.4 | 21.5 | 16.6 | 18.1 | 12.3 | 14.9 | 15.9 | 17.8 | 13.8 | 12.0 | 8.3 | 13.0 | 8.1 | 5.5 | 4.5 | .9 | .4 | 3.0 | 3.5 | 2.8 | 8.1 | 3.5 | 24 | 21.5 |
| 6 | 3.3 | 6.9 | 6.7 | 6.4 | 8.9 | 6.7 | 6.2 | 7.1 | 3.5 | 2.6 | 3.1 | 6.7 | 7.4 | 5.5 | 5.7 | 5.5 | 5.5 | 4.5 | 11.8 | 10.6 | 10.6 | 8.6 | 4.8 | 1.8 | 24 | 11.8 |
| 7 | 5.7 | 4.0 | .7 | 3.1 | 5.3 | 6.5 | 7.2 | AX | | | | | | | | | | | | | | | | | 7 | 7.2 |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| MAX: | 18.8 | 16.1 | 16.4 | 21.5 | 16.6 | 18.1 | 12.6 | 15.2 | 15.9 | 17.8 | 17.6 | 12.8 | 9.8 | 13.5 | 17.1 | 15.7 | 16.1 | 19.0 | 14.6 | 19.3 | 26.4 | 24.2 | 24.7 | 22.5 | | |
| AVG: | 7.89 | 7.24 | 7.31 | 8.86 | 8.30 | 8.73 | 8.49 | 10.00 | 9.12 | 10.03 | 11.05 | 9.52 | 8.97 | 10.30 | 9.97 | 9.78 | 9.90 | 9.45 | 11.32 | 12.55 | 14.47 | 13.60 | 13.95 | 10.07 | | |

MONTHLY OBSERVATIONS: 151 MONTHLY MEAN: 9.95 MONTHLY MAX: 26.4

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 4
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JANUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.0 | 4.0 | 4.0 | 4.0 | 2.0 | 4.0 | 4.0 | 6.0 | 6.0 | 3.0 | 3.0 | 4.0 | 11.0 | 3.0 | 3.0 | 8.0 | 1.0 | 9.0 | 3.0 | 7.0 | 7.0 | 3.0 | 3.0 | 4.0 | 24 | 11.0 |
| 2 | 5.0 | 6.0 | 5.0 | 4.0 | 7.0 | 5.0 | 10.0 | 6.0 | 11.0 | 1.0 | 8.0 | 2.0 | 4.0 | 8.0 | 4.0 | 5.0 | 1.0 | 10.0 | 4.0 | 5.0 | 4.0 | 5.0 | 10.0 | 14.0 | 24 | 14.0 |
| 3 | 10.0 | 13.0 | 16.0 | 12.0 | 14.0 | 13.0 | 12.0 | 10.0 | 8.0 | .0 | 4.0 | 2.0 | 5.0 | 7.0 | 5.0 | -4.0 | 8.0 | 5.0 | 6.0 | 9.0 | 14.0 | 4.0 | 7.0 | 5.0 | 24 | 16.0 |
| 4 | 9.0 | 8.0 | 14.0 | 8.0 | 7.0 | 8.0 | 4.0 | 8.0 | 6.0 | 3.0 | .0 | 6.0 | 6.0 | -1.0 | AX | BA | BA | 8.0 | 3.0 | 1.0 | 4.0 | 1.0 | 4.0 | 5.0 | 21 | 14.0 |
| 5 | 2.0 | .0 | 4.0 | 2.0 | 6.0 | 10.0 | 7.0 | 9.0 | 9.0 | 8.0 | 8.0 | 4.0 | 2.0 | 6.0 | 2.0 | 4.0 | 7.0 | 8.0 | 2.0 | 6.0 | 5.0 | 6.0 | 8.0 | 7.0 | 24 | 10.0 |
| 6 | 15.0 | 14.0 | 22.0 | 22.0 | 20.0 | 18.0 | 19.0 | 11.0 | 14.0 | 9.0 | 15.0 | 3.0 | 5.0 | 6.0 | 6.0 | 5.0 | 4.0 | 3.0 | 9.0 | 8.0 | 17.0 | 12.0 | 13.0 | 18.0 | 24 | 22.0 |
| 7 | 18.0 | 20.0 | 17.0 | 19.0 | 20.0 | 18.0 | 18.0 | 16.0 | 13.0 | 13.0 | 6.0 | 17.0 | 10.0 | 18.0 | 9.0 | 5.0 | 9.0 | 10.0 | 4.0 | 6.0 | 13.0 | 15.0 | 17.0 | 18.0 | 24 | 20.0 |
| 8 | 18.0 | 18.0 | 19.0 | 13.0 | 17.0 | 20.0 | 8.0 | 8.0 | 14.0 | 16.0 | 10.0 | 14.0 | 7.0 | 13.0 | 9.0 | 5.0 | 10.0 | 9.0 | 8.0 | 9.0 | 11.0 | 10.0 | 11.0 | 14.0 | 24 | 20.0 |
| 9 | 10.0 | 7.0 | 10.0 | 11.0 | 6.0 | 11.0 | 8.0 | 7.0 | 7.0 | 7.0 | 8.0 | 9.0 | 9.0 | 7.0 | 5.0 | 5.0 | 5.0 | 8.0 | 5.0 | 3.0 | 2.0 | 5.0 | 4.0 | 2.0 | 24 | 11.0 |
| 10 | 1.0 | 1.0 | 3.0 | 3.0 | -1.0 | .0 | 3.0 | 2.0 | 4.0 | .0 | 2.0 | -3.0 | 4.0 | -1.0 | 1.0 | 3.0 | -1.0 | 4.0 | -2.0 | 2.0 | -2.0 | 1.0 | 3.0 | -1.0 | 24 | 4.0 |
| 11 | 5.0 | 1.0 | -2.0 | .0 | 3.0 | 6.0 | 6.0 | 5.0 | 12.0 | -5.0 | 11.0 | .0 | 6.0 | 4.0 | -2.0 | 6.0 | 5.0 | 7.0 | 2.0 | 1.0 | 9.0 | 16.0 | 20.0 | 26.0 | 24 | 26.0 |
| 12 | 19.0 | 15.0 | 22.0 | 19.0 | 18.0 | 20.0 | 23.0 | 29.0 | 31.0 | 12.0 | 11.0 | 9.0 | 7.0 | 5.0 | 6.0 | -1.0 | 1.0 | 7.0 | 1.0 | 4.0 | 5.0 | 5.0 | 6.0 | 6.0 | 24 | 31.0 |
| 13 | 1.0 | 4.0 | 2.0 | 1.0 | .0 | -1.0 | 1.0 | 5.0 | 5.0 | -1.0 | -1.0 | 2.0 | 6.0 | 6.0 | 2.0 | 1.0 | -4.0 | 4.0 | 3.0 | .0 | 6.0 | 4.0 | 9.0 | 9.0 | 24 | 9.0 |
| 14 | 10.0 | 17.0 | 18.0 | 11.0 | 9.0 | 8.0 | 10.0 | 15.0 | 12.0 | 10.0 | 7.0 | 10.0 | 2.0 | 8.0 | 7.0 | 6.0 | 3.0 | 9.0 | .0 | 6.0 | 2.0 | 6.0 | 7.0 | 6.0 | 24 | 18.0 |
| 15 | 9.0 | 8.0 | 11.0 | 11.0 | 8.0 | 12.0 | 11.0 | 22.0 | 13.0 | 16.0 | 18.0 | 19.0 | 23.0 | 24.0 | 18.0 | 13.0 | 10.0 | 6.0 | 7.0 | 2.0 | 6.0 | 6.0 | 11.0 | 2.0 | 24 | 24.0 |
| 16 | 4.0 | 4.0 | 10.0 | 1.0 | 6.0 | 11.0 | 4.0 | 5.0 | 2.0 | 4.0 | 5.0 | 3.0 | 6.0 | 9.0 | 8.0 | 2.0 | 8.0 | 7.0 | -1.0 | .0 | 4.0 | 6.0 | 8.0 | 7.0 | 24 | 11.0 |
| 17 | 9.0 | 3.0 | 8.0 | 6.0 | 8.0 | 2.0 | 4.0 | 6.0 | 3.0 | 5.0 | 2.0 | 1.0 | 1.0 | 6.0 | 4.0 | 6.0 | -5.0 | 5.0 | 1.0 | 2.0 | 8.0 | 6.0 | 10.0 | 8.0 | 24 | 10.0 |
| 18 | 3.0 | 6.0 | .0 | 8.0 | 5.0 | 6.0 | 5.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | .0 | 1.0 | 2.0 | 3.0 | .0 | 4.0 | .0 | 2.0 | 4.0 | -1.0 | 3.0 | 3.0 | 24 | 8.0 |
| 19 | 8.0 | 9.0 | 9.0 | 6.0 | 5.0 | 6.0 | 6.0 | 5.0 | 6.0 | 5.0 | 4.0 | 8.0 | 7.0 | 4.0 | 4.0 | 5.0 | 4.0 | 5.0 | 4.0 | 4.0 | 4.0 | 5.0 | 8.0 | 14.0 | 24 | 14.0 |
| 20 | 15.0 | 14.0 | 19.0 | 14.0 | 14.0 | 10.0 | 14.0 | 13.0 | 10.0 | 15.0 | 11.0 | AX | AX | 15.0 | 13.0 | 14.0 | 14.0 | 12.0 | 13.0 | 11.0 | 13.0 | 17.0 | 16.0 | 19.0 | 22 | 19.0 |
| 21 | 22.0 | 26.0 | 22.0 | 23.0 | 26.0 | 29.0 | 30.0 | 30.0 | 25.0 | 27.0 | 17.0 | 18.0 | 20.0 | 8.0 | 9.0 | 8.0 | 4.0 | 8.0 | 7.0 | 5.0 | 6.0 | 9.0 | 14.0 | 11.0 | 24 | 30.0 |
| 22 | 11.0 | 9.0 | 8.0 | 15.0 | 13.0 | 13.0 | 12.0 | 12.0 | 10.0 | 8.0 | 7.0 | 5.0 | 7.0 | 14.0 | 11.0 | 9.0 | 10.0 | 9.0 | 10.0 | 6.0 | 5.0 | 6.0 | 5.0 | 7.0 | 24 | 15.0 |
| 23 | 5.0 | 6.0 | 6.0 | 6.0 | 5.0 | 3.0 | 8.0 | 7.0 | 3.0 | 5.0 | 2.0 | 5.0 | 10.0 | 4.0 | 3.0 | 3.0 | 8.0 | 3.0 | 4.0 | 3.0 | 3.0 | 4.0 | 1.0 | 4.0 | 24 | 10.0 |
| 24 | 4.0 | 6.0 | 7.0 | 8.0 | 7.0 | 4.0 | 6.0 | 7.0 | 4.0 | 3.0 | 6.0 | 5.0 | 4.0 | 4.0 | 5.0 | 4.0 | 6.0 | 8.0 | 2.0 | 2.0 | 8.0 | 10.0 | 8.0 | 23.0 | 24 | 23.0 |
| 25 | 28.0 | 18.0 | 26.0 | 25.0 | 25.0 | 25.0 | 31.0 | 33.0 | 26.0 | 24.0 | 31.0 | 18.0 | 17.0 | 13.0 | 11.0 | 12.0 | 10.0 | 6.0 | 6.0 | 8.0 | 4.0 | 13.0 | 11.0 | 10.0 | 24 | 33.0 |
| 26 | 13.0 | 18.0 | 18.0 | 19.0 | 19.0 | 19.0 | 22.0 | 26.0 | 28.0 | 27.0 | 18.0 | 16.0 | AI | -5.0 | 13.0 | 8.0 | 11.0 | 11.0 | 10.0 | 9.0 | 10.0 | 12.0 | 10.0 | 13.0 | 23 | 28.0 |
| 27 | 16.0 | 13.0 | 17.0 | 15.0 | 14.0 | 17.0 | 11.0 | 9.0 | 8.0 | 9.0 | 11.0 | 3.0 | -2.0 | 4.0 | 5.0 | 1.0 | 6.0 | 3.0 | 5.0 | 5.0 | 6.0 | 10.0 | 11.0 | 14.0 | 24 | 17.0 |
| 28 | 16.0 | 13.0 | 11.0 | 16.0 | 15.0 | 13.0 | 16.0 | 17.0 | 13.0 | 9.0 | 11.0 | 10.0 | 14.0 | 14.0 | 14.0 | 10.0 | 18.0 | 12.0 | 13.0 | 17.0 | 12.0 | 18.0 | 18.0 | 20.0 | 24 | 20.0 |
| 29 | 24.0 | 21.0 | 13.0 | 16.0 | 9.0 | 7.0 | 7.0 | 7.0 | 6.0 | 5.0 | 7.0 | 4.0 | 5.0 | 6.0 | 5.0 | 2.0 | 3.0 | 6.0 | 4.0 | 5.0 | 6.0 | 2.0 | 6.0 | 6.0 | 24 | 24.0 |
| 30 | 11.0 | 16.0 | 12.0 | 16.0 | 14.0 | 12.0 | 11.0 | 10.0 | 14.0 | 17.0 | 18.0 | 11.0 | 7.0 | 6.0 | 6.0 | 8.0 | 5.0 | 10.0 | 2.0 | 7.0 | 13.0 | 19.0 | 13.0 | 18.0 | 24 | 19.0 |
| 31 | 14.0 | 22.0 | 15.0 | 16.0 | 17.0 | 19.0 | 19.0 | 16.0 | 18.0 | 13.0 | 18.0 | 16.0 | 13.0 | 9.0 | 10.0 | 2.0 | 3.0 | 5.0 | 5.0 | 2.0 | 5.0 | 8.0 | 6.0 | 3.0 | 24 | 22.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 31 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 28.0 | 26.0 | 26.0 | 25.0 | 26.0 | 29.0 | 31.0 | 33.0 | 31.0 | 27.0 | 31.0 | 19.0 | 23.0 | 24.0 | 18.0 | 14.0 | 18.0 | 12.0 | 13.0 | 17.0 | 17.0 | 19.0 | 20.0 | 26.0 | | |
| AVG: | 10.94 | 10.97 | 11.81 | 11.29 | 10.90 | 11.23 | 11.29 | 11.74 | 11.06 | 8.74 | 9.06 | 7.50 | 7.45 | 7.26 | 6.60 | 5.27 | 5.47 | 7.13 | 4.52 | 5.06 | 6.90 | 7.84 | 9.06 | 10.16 | | |

MONTHLY OBSERVATIONS: 738 MONTHLY MEAN: 8.74 MONTHLY MAX: 33.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 4
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: FEBRUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.0 | 7.0 | 9.0 | 2.0 | 7.0 | 8.0 | 10.0 | 6.0 | 13.0 | 17.0 | 14.0 | AX | BA | BA | BA | 9.0 | 11.0 | 7.0 | 7.0 | 10.0 | 8.0 | 10.0 | 13.0 | 12.0 | 20 | 17.0 |
| 2 | 6.0 | 16.0 | 7.0 | 8.0 | 9.0 | 8.0 | 9.0 | 9.0 | 11.0 | 15.0 | 14.0 | 10.0 | 9.0 | 13.0 | 15.0 | 13.0 | 18.0 | 16.0 | 12.0 | 17.0 | 13.0 | 16.0 | 16.0 | 13.0 | 24 | 18.0 |
| 3 | 12.0 | 10.0 | 8.0 | 2.0 | 6.0 | 8.0 | 9.0 | 4.0 | 8.0 | 3.0 | 5.0 | 10.0 | .0 | 3.0 | 5.0 | .0 | 1.0 | 5.0 | 6.0 | 1.0 | 2.0 | 4.0 | 6.0 | 8.0 | 24 | 12.0 |
| 4 | 10.0 | 9.0 | 15.0 | 16.0 | 11.0 | 7.0 | 5.0 | 4.0 | 3.0 | 3.0 | 7.0 | 2.0 | 8.0 | 9.0 | .0 | 3.0 | 7.0 | 4.0 | 3.0 | 7.0 | 3.0 | 5.0 | 6.0 | 6.0 | 24 | 16.0 |
| 5 | 6.0 | 3.0 | 4.0 | 3.0 | 2.0 | 3.0 | 4.0 | 2.0 | 1.0 | 6.0 | 2.0 | 4.0 | 8.0 | 1.0 | 4.0 | 1.0 | 4.0 | 5.0 | -2.0 | 9.0 | 7.0 | 10.0 | 11.0 | 11.0 | 24 | 11.0 |
| 6 | 14.0 | 19.0 | 11.0 | 13.0 | 12.0 | 9.0 | 11.0 | 14.0 | 13.0 | 14.0 | 7.0 | 8.0 | 5.0 | -1.0 | 5.0 | 3.0 | 5.0 | 11.0 | -2.0 | 4.0 | 6.0 | 7.0 | 12.0 | 14.0 | 24 | 19.0 |
| 7 | 21.0 | 18.0 | 18.0 | 13.0 | 15.0 | 14.0 | 15.0 | 12.0 | 11.0 | 6.0 | 4.0 | 6.0 | 6.0 | 5.0 | 1.0 | 6.0 | 4.0 | 4.0 | 3.0 | 6.0 | 9.0 | 8.0 | 8.0 | 10.0 | 24 | 21.0 |
| 8 | 14.0 | 21.0 | 19.0 | 17.0 | 19.0 | 18.0 | 24.0 | 17.0 | 23.0 | 20.0 | 19.0 | 16.0 | 11.0 | 11.0 | 8.0 | 8.0 | -1.0 | 11.0 | 4.0 | 5.0 | 3.0 | 1.0 | 5.0 | 7.0 | 24 | 24.0 |
| 9 | -1.0 | 6.0 | 4.0 | 1.0 | 5.0 | 1.0 | 1.0 | 2.0 | 5.0 | 5.0 | -2.0 | 4.0 | 3.0 | -2.0 | 6.0 | 1.0 | 4.0 | .0 | 2.0 | 3.0 | 2.0 | 4.0 | 4.0 | 5.0 | 24 | 6.0 |
| 10 | 4.0 | 6.0 | 8.0 | 5.0 | 5.0 | 9.0 | 18.0 | 7.0 | 2.0 | 3.0 | 6.0 | 3.0 | 9.0 | 4.0 | 5.0 | 4.0 | 2.0 | 4.0 | 6.0 | 3.0 | 7.0 | 3.0 | 1.0 | 6.0 | 24 | 18.0 |
| 11 | 7.0 | 8.0 | 6.0 | 12.0 | 5.0 | 7.0 | 6.0 | 19.0 | 13.0 | 7.0 | 4.0 | 8.0 | 10.0 | 3.0 | AZ | AZ | 3.0 | 2.0 | 2.0 | 1.0 | 4.0 | 4.0 | 8.0 | 9.0 | 22 | 19.0 |
| 12 | 10.0 | 11.0 | 7.0 | 7.0 | 9.0 | 8.0 | 9.0 | 10.0 | 9.0 | 11.0 | 7.0 | 10.0 | 9.0 | 11.0 | 16.0 | 12.0 | 7.0 | 21.0 | 9.0 | 10.0 | 10.0 | 9.0 | 4.0 | 5.0 | 24 | 21.0 |
| 13 | 2.0 | 3.0 | 3.0 | 4.0 | 3.0 | 8.0 | 4.0 | 2.0 | .0 | 4.0 | 6.0 | 4.0 | 12.0 | 8.0 | 6.0 | 5.0 | 1.0 | 11.0 | 6.0 | 5.0 | 4.0 | 7.0 | 9.0 | 10.0 | 24 | 12.0 |
| 14 | 9.0 | 9.0 | 5.0 | 7.0 | 7.0 | 6.0 | 6.0 | 7.0 | 2.0 | .0 | 1.0 | 7.0 | 2.0 | 3.0 | 6.0 | 5.0 | 8.0 | 9.0 | 6.0 | 4.0 | 10.0 | 6.0 | 13.0 | 9.0 | 24 | 13.0 |
| 15 | 10.0 | 9.0 | 9.0 | 12.0 | 12.0 | 9.0 | 10.0 | 12.0 | 13.0 | 11.0 | 10.0 | 15.0 | 14.0 | 14.0 | 11.0 | 11.0 | 9.0 | 9.0 | 6.0 | 5.0 | 4.0 | 6.0 | 8.0 | 4.0 | 24 | 15.0 |
| 16 | 6.0 | 3.0 | 8.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 8.0 | 6.0 | 5.0 | 4.0 | 6.0 | -1.0 | 3.0 | 8.0 | 4.0 | 2.0 | 2.0 | 5.0 | 12.0 | 9.0 | 24 | 12.0 |
| 17 | 8.0 | 12.0 | 7.0 | 10.0 | 6.0 | 4.0 | 9.0 | 7.0 | 3.0 | 2.0 | 6.0 | 5.0 | 6.0 | 1.0 | 3.0 | 4.0 | 1.0 | 8.0 | 4.0 | 3.0 | 3.0 | 5.0 | .0 | 4.0 | 24 | 12.0 |
| 18 | 11.0 | 3.0 | 8.0 | 11.0 | 10.0 | 10.0 | 17.0 | 12.0 | 7.0 | 12.0 | 14.0 | 8.0 | 7.0 | 4.0 | 6.0 | 2.0 | 10.0 | 4.0 | 3.0 | 5.0 | 5.0 | 14.0 | 16.0 | 13.0 | 24 | 17.0 |
| 19 | 9.0 | 19.0 | 17.0 | 15.0 | 18.0 | 15.0 | 19.0 | 17.0 | 21.0 | 20.0 | 16.0 | 15.0 | 14.0 | 15.0 | 11.0 | 14.0 | 12.0 | 10.0 | 4.0 | 6.0 | 14.0 | 16.0 | 15.0 | 15.0 | 24 | 21.0 |
| 20 | 13.0 | 11.0 | 16.0 | 14.0 | 14.0 | 16.0 | 16.0 | 13.0 | 10.0 | 16.0 | 21.0 | 19.0 | 20.0 | 19.0 | 23.0 | 21.0 | 23.0 | 24.0 | 21.0 | 22.0 | 21.0 | 21.0 | 21.0 | 28.0 | 24 | 28.0 |
| 21 | 29.0 | 27.0 | 27.0 | 33.0 | 28.0 | 29.0 | 27.0 | 31.0 | 30.0 | 30.0 | 18.0 | 14.0 | 18.0 | 17.0 | 14.0 | 15.0 | 20.0 | 14.0 | 16.0 | 14.0 | 15.0 | 15.0 | 10.0 | 13.0 | 24 | 33.0 |
| 22 | 11.0 | 18.0 | 15.0 | 11.0 | 18.0 | 21.0 | 26.0 | 19.0 | 19.0 | 21.0 | 16.0 | 13.0 | 11.0 | 11.0 | 11.0 | 16.0 | 19.0 | 13.0 | 18.0 | 16.0 | 13.0 | 12.0 | 6.0 | 9.0 | 24 | 26.0 |
| 23 | 7.0 | 7.0 | 5.0 | 5.0 | 8.0 | 5.0 | 3.0 | 2.0 | .0 | AX | BA | BA | AX | 7.0 | 2.0 | .0 | 7.0 | 6.0 | 5.0 | 3.0 | 5.0 | 7.0 | 7.0 | 3.0 | 20 | 8.0 |
| 24 | 3.0 | 1.0 | -1.0 | .0 | -3.0 | 2.0 | .0 | .0 | .0 | .0 | 5.0 | 4.0 | 10.0 | .0 | 3.0 | 6.0 | 6.0 | 6.0 | 1.0 | -1.0 | -3.0 | .0 | -1.0 | 1.0 | 24 | 10.0 |
| 25 | -3.0 | 1.0 | -1.0 | 1.0 | -2.0 | 1.0 | .0 | .0 | -1.0 | 3.0 | 1.0 | 5.0 | 1.0 | 13.0 | 8.0 | -1.0 | 7.0 | 5.0 | 5.0 | 2.0 | 6.0 | 3.0 | 11.0 | 6.0 | 24 | 13.0 |
| 26 | 7.0 | 6.0 | 2.0 | 5.0 | .0 | 1.0 | 2.0 | 3.0 | -5.0 | 3.0 | 4.0 | 3.0 | 4.0 | 5.0 | 7.0 | 6.0 | .0 | 5.0 | 7.0 | 3.0 | 8.0 | 16.0 | 17.0 | 20.0 | 24 | 20.0 |
| 27 | 27.0 | 19.0 | 21.0 | 21.0 | 14.0 | 13.0 | 17.0 | 12.0 | -5.0 | 9.0 | 2.0 | 7.0 | 6.0 | 3.0 | 5.0 | 2.0 | -1.0 | 5.0 | 2.0 | 5.0 | 2.0 | 5.0 | 7.0 | 5.0 | 24 | 27.0 |
| 28 | 4.0 | 9.0 | 29.0 | 5.0 | 38.0 | 16.0 | 27.0 | 18.0 | -5.0 | 1.0 | 4.0 | 11.0 | 6.0 | 5.0 | 8.0 | 5.0 | 6.0 | 8.0 | 7.0 | 5.0 | 6.0 | 6.0 | 10.0 | 5.0 | 24 | 38.0 |
| 29 | 11.0 | 12.0 | 15.0 | 15.0 | 18.0 | 16.0 | 14.0 | 14.0 | 5.0 | 9.0 | 14.0 | 12.0 | 7.0 | 5.0 | 8.0 | 4.0 | 7.0 | 5.0 | 5.0 | 2.0 | 4.0 | 8.0 | 8.0 | 9.0 | 24 | 18.0 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 28 | 28 | 27 | 27 | 28 | 27 | 28 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | | |
| MAX: | 29.0 | 27.0 | 29.0 | 33.0 | 38.0 | 29.0 | 27.0 | 31.0 | 30.0 | 30.0 | 21.0 | 19.0 | 20.0 | 19.0 | 23.0 | 21.0 | 23.0 | 24.0 | 21.0 | 22.0 | 21.0 | 21.0 | 21.0 | 28.0 | | |
| AVG: | 9.38 | 10.45 | 10.38 | 9.31 | 10.21 | 9.41 | 11.03 | 9.52 | 7.14 | 9.00 | 8.32 | 8.48 | 8.19 | 6.82 | 7.52 | 6.21 | 7.00 | 8.28 | 5.86 | 6.10 | 6.66 | 8.03 | 9.07 | 9.28 | | |

MONTHLY OBSERVATIONS: 686 MONTHLY MEAN: 8.41 MONTHLY MAX: 38.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 4
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MARCH 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.0 | 10.0 | 23.0 | 13.0 | 17.0 | 18.0 | 13.0 | 13.0 | .0 | .0 | 4.0 | 5.0 | 11.0 | 12.0 | 16.0 | 3.0 | 17.0 | 11.0 | 18.0 | 15.0 | 11.0 | 24.0 | 29.0 | 40.0 | 24 | 40.0 |
| 2 | 3.0 | -3.0 | -5.0 | -3.0 | 2.0 | -5.0 | 2.0 | 8.0 | .0 | BA | AX | AX | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | 9 | 8.0 |
| 3 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | 0 | |
| 4 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | 0 | |
| 5 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | 0 | |
| 6 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | 0 | |
| 7 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | 0 | |
| 8 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | 0 | |
| 9 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | 0 | |
| 10 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | 0 | |
| 11 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | 0 | |
| 12 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | 0 | |
| 13 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | 0 | |
| 14 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | 0 | |
| 15 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AX | -5.0 | -5.0 | 8.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 6.0 | 8.0 | 7.0 | 14 | 8.0 |
| 16 | 11.0 | 8.0 | 14.0 | 21.0 | 21.0 | 17.0 | 21.0 | 18.0 | 19.0 | 22.0 | 18.0 | 20.0 | 13.0 | 13.0 | 5.0 | 6.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 24 | 22.0 |
| 17 | .0 | 4.0 | 7.0 | 7.0 | 1.0 | 6.0 | 8.0 | 16.0 | 6.0 | 6.0 | 10.0 | 7.0 | 6.0 | 4.0 | 4.0 | 2.0 | 6.0 | 6.0 | 3.0 | 2.0 | 2.0 | 2.0 | 4.0 | 6.0 | 24 | 16.0 |
| 18 | 7.0 | 3.0 | 5.0 | 7.0 | 3.0 | 6.0 | 7.0 | 10.0 | 10.0 | 10.0 | 6.0 | 4.0 | 8.0 | 8.0 | 4.0 | 8.0 | 2.0 | 6.0 | 9.0 | 6.0 | 5.0 | 7.0 | 6.0 | 9.0 | 24 | 10.0 |
| 19 | 15.0 | 13.0 | 13.0 | 15.0 | 12.0 | 11.0 | 13.0 | 11.0 | 10.0 | 11.0 | 12.0 | 9.0 | 11.0 | 9.0 | 13.0 | 11.0 | 17.0 | 12.0 | 12.0 | 9.0 | 10.0 | 8.0 | 7.0 | 6.0 | 24 | 17.0 |
| 20 | 6.0 | 9.0 | 5.0 | 8.0 | 8.0 | 6.0 | 9.0 | 4.0 | 8.0 | 5.0 | 9.0 | 7.0 | 11.0 | 6.0 | 5.0 | 12.0 | 7.0 | 15.0 | 2.0 | 7.0 | 6.0 | 7.0 | 8.0 | 11.0 | 24 | 15.0 |
| 21 | 7.0 | 9.0 | 1.0 | 5.0 | 3.0 | 5.0 | 5.0 | 6.0 | -1.0 | 10.0 | 11.0 | 7.0 | 5.0 | 8.0 | 7.0 | 6.0 | 8.0 | 3.0 | 6.0 | 4.0 | 1.0 | 5.0 | 5.0 | 5.0 | 24 | 11.0 |
| 22 | 7.0 | 4.0 | 6.0 | 6.0 | 4.0 | 9.0 | 13.0 | 11.0 | 5.0 | 9.0 | 13.0 | 8.0 | 8.0 | 5.0 | 5.0 | 9.0 | 7.0 | 6.0 | 5.0 | 4.0 | 8.0 | 15.0 | 14.0 | 14.0 | 24 | 15.0 |
| 23 | 16.0 | 13.0 | 16.0 | 22.0 | 16.0 | 17.0 | 19.0 | 20.0 | 16.0 | 21.0 | 18.0 | 12.0 | 14.0 | 7.0 | 7.0 | 5.0 | 8.0 | 7.0 | 9.0 | 13.0 | 9.0 | 16.0 | 14.0 | 13.0 | 24 | 22.0 |
| 24 | 16.0 | 13.0 | 14.0 | 19.0 | 16.0 | 16.0 | 20.0 | 21.0 | 15.0 | 29.0 | 23.0 | 24.0 | 14.0 | 14.0 | 9.0 | 13.0 | 12.0 | 9.0 | 10.0 | 7.0 | 10.0 | 11.0 | 9.0 | 6.0 | 24 | 29.0 |
| 25 | 10.0 | 13.0 | 10.0 | 13.0 | 14.0 | 12.0 | 12.0 | 8.0 | 10.0 | 11.0 | 6.0 | 10.0 | 6.0 | 10.0 | 5.0 | 9.0 | 3.0 | 9.0 | 7.0 | 12.0 | 7.0 | 9.0 | 11.0 | 11.0 | 24 | 14.0 |
| 26 | 12.0 | 11.0 | 14.0 | 14.0 | 10.0 | 11.0 | 11.0 | 11.0 | 8.0 | 9.0 | 9.0 | 13.0 | 12.0 | 14.0 | 12.0 | 12.0 | 13.0 | 14.0 | 13.0 | 15.0 | 22.0 | 18.0 | 9.0 | 11.0 | 24 | 22.0 |
| 27 | 14.0 | 11.0 | 8.0 | 8.0 | 9.0 | 7.0 | 11.0 | 5.0 | 5.0 | 9.0 | 6.0 | 7.0 | 5.0 | 8.0 | 10.0 | 11.0 | 12.0 | 16.0 | 10.0 | 8.0 | 8.0 | 4.0 | 2.0 | 1.0 | 24 | 16.0 |
| 28 | 2.0 | -3.0 | 3.0 | 5.0 | 3.0 | 5.0 | 4.0 | 5.0 | 6.0 | -5.0 | 10.0 | 5.0 | 4.0 | BA | -5.0 | 6.0 | 4.0 | 3.0 | 4.0 | 1.0 | .0 | 1.0 | 3.0 | 3.0 | 23 | 10.0 |
| 29 | 3.0 | 4.0 | 3.0 | 5.0 | 11.0 | 12.0 | 9.0 | 8.0 | .0 | 11.0 | 6.0 | 8.0 | 5.0 | 4.0 | 9.0 | 4.0 | 2.0 | 5.0 | 6.0 | 5.0 | 5.0 | 5.0 | 12.0 | 15.0 | 24 | 15.0 |
| 30 | 16.0 | 15.0 | 14.0 | 12.0 | 11.0 | 11.0 | 14.0 | 13.0 | 10.0 | 14.0 | 7.0 | 10.0 | 10.0 | 7.0 | 6.0 | 11.0 | 5.0 | 6.0 | 9.0 | 5.0 | 7.0 | 3.0 | 9.0 | 10.0 | 24 | 16.0 |
| 31 | 9.0 | 13.0 | 10.0 | 11.0 | 5.0 | 7.0 | 5.0 | 8.0 | 4.0 | 3.0 | 6.0 | 6.0 | 6.0 | 6.0 | 2.0 | 11.0 | 9.0 | 5.0 | 10.0 | 11.0 | 10.0 | 13.0 | 6.0 | 7.0 | 24 | 13.0 |
| NO.: | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 17 | 18 | 18 | 18 | 17 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | | |
| MAX: | 16.0 | 15.0 | 23.0 | 22.0 | 21.0 | 18.0 | 21.0 | 21.0 | 19.0 | 29.0 | 23.0 | 24.0 | 14.0 | 14.0 | 16.0 | 13.0 | 17.0 | 16.0 | 18.0 | 15.0 | 22.0 | 24.0 | 29.0 | 40.0 | | |
| AVG: | 8.78 | 8.17 | 8.94 | 10.44 | 9.22 | 9.50 | 10.89 | 10.89 | 7.28 | 10.29 | 9.39 | 8.72 | 8.72 | 8.18 | 6.61 | 8.00 | 7.78 | 7.83 | 7.78 | 7.22 | 7.06 | 8.61 | 8.78 | 9.78 | | |

MONTHLY OBSERVATIONS: 430 MONTHLY MEAN: 8.70 MONTHLY MAX: 40.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 4
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: APRIL 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11.0 | 2.0 | 8.0 | 14.0 | 4.0 | 2.0 | 10.0 | BA | AX | -5.0 | 4.0 | 3.0 | 6.0 | .0 | 3.0 | 2.0 | 7.0 | 5.0 | 6.0 | 8.0 | 3.0 | 3.0 | 6.0 | 2.0 | 22 | 14.0 |
| 2 | 8.0 | 4.0 | 5.0 | 4.0 | 5.0 | 9.0 | 8.0 | 2.0 | 2.0 | -3.0 | 9.0 | 3.0 | 2.0 | 4.0 | 4.0 | 2.0 | 5.0 | 3.0 | 3.0 | .0 | .0 | 2.0 | 5.0 | 4.0 | 24 | 9.0 |
| 3 | -1.0 | 3.0 | 3.0 | 5.0 | -2.0 | 3.0 | 1.0 | -1.0 | -2.0 | 8.0 | 1.0 | 3.0 | 3.0 | .0 | 3.0 | 5.0 | 3.0 | 4.0 | 4.0 | 3.0 | 1.0 | 4.0 | 3.0 | .0 | 24 | 8.0 |
| 4 | 3.0 | 1.0 | 4.0 | 3.0 | 5.0 | 9.0 | 8.0 | 1.0 | -1.0 | 8.0 | 7.0 | 8.0 | 5.0 | 5.0 | 5.0 | 5.0 | .0 | 7.0 | 3.0 | 5.0 | 4.0 | 5.0 | 7.0 | 9.0 | 24 | 9.0 |
| 5 | 7.0 | 8.0 | 10.0 | 8.0 | 5.0 | 7.0 | 4.0 | 6.0 | 1.0 | 5.0 | 6.0 | -1.0 | 3.0 | 1.0 | 5.0 | 4.0 | .0 | 7.0 | 5.0 | .0 | 2.0 | 4.0 | 5.0 | 12.0 | 24 | 12.0 |
| 6 | 12.0 | 10.0 | 10.0 | 10.0 | 8.0 | 12.0 | 10.0 | 5.0 | 5.0 | 5.0 | 8.0 | 12.0 | 8.0 | 8.0 | 5.0 | 5.0 | 4.0 | 12.0 | 10.0 | 27.0 | 31.0 | 37.0 | 22.0 | 16.0 | 24 | 37.0 |
| 7 | 19.0 | 13.0 | 17.0 | 9.0 | 8.0 | 12.0 | 3.0 | -2.0 | -1.0 | 7.0 | 7.0 | 6.0 | 3.0 | 5.0 | -1.0 | 8.0 | 7.0 | -1.0 | 7.0 | 5.0 | .0 | 3.0 | .0 | 5.0 | 24 | 19.0 |
| 8 | 2.0 | 3.0 | 4.0 | 2.0 | 4.0 | .0 | 6.0 | -2.0 | .0 | 8.0 | 4.0 | 2.0 | 6.0 | 5.0 | 1.0 | 1.0 | -3.0 | 3.0 | -4.0 | 3.0 | 4.0 | 1.0 | 2.0 | .0 | 24 | 8.0 |
| 9 | 2.0 | -1.0 | 3.0 | 2.0 | 8.0 | .0 | 5.0 | 3.0 | -1.0 | 7.0 | 8.0 | 4.0 | 3.0 | 3.0 | 4.0 | -3.0 | -2.0 | 1.0 | .0 | 3.0 | -2.0 | 1.0 | 2.0 | 2.0 | 24 | 8.0 |
| 10 | 5.0 | 5.0 | 4.0 | 5.0 | 3.0 | 3.0 | 5.0 | -2.0 | -1.0 | 6.0 | 9.0 | 7.0 | 5.0 | 8.0 | 6.0 | 6.0 | 3.0 | 7.0 | 8.0 | 3.0 | 2.0 | 3.0 | 6.0 | 3.0 | 24 | 9.0 |
| 11 | 3.0 | 3.0 | 4.0 | 6.0 | 5.0 | 4.0 | 9.0 | 6.0 | 9.0 | 10.0 | 10.0 | 6.0 | 12.0 | 8.0 | 10.0 | 6.0 | 7.0 | 4.0 | 9.0 | 9.0 | 8.0 | 11.0 | 11.0 | 12.0 | 24 | 12.0 |
| 12 | 8.0 | 10.0 | 16.0 | 11.0 | 11.0 | 13.0 | 13.0 | 12.0 | 12.0 | 7.0 | 11.0 | 10.0 | 13.0 | 6.0 | 14.0 | 6.0 | 1.0 | 2.0 | 5.0 | 3.0 | 2.0 | 4.0 | -1.0 | 6.0 | 24 | 16.0 |
| 13 | 7.0 | 8.0 | 11.0 | 10.0 | 9.0 | 5.0 | 10.0 | 5.0 | 7.0 | 10.0 | 8.0 | 4.0 | 8.0 | 11.0 | 5.0 | 10.0 | 11.0 | 11.0 | 11.0 | 10.0 | 11.0 | 9.0 | 7.0 | 16.0 | 24 | 16.0 |
| 14 | 12.0 | 13.0 | 15.0 | 18.0 | 19.0 | 15.0 | 14.0 | 10.0 | 8.0 | 9.0 | 9.0 | 13.0 | 8.0 | 9.0 | 6.0 | 8.0 | 13.0 | 11.0 | 12.0 | 3.0 | 10.0 | 11.0 | 8.0 | 11.0 | 24 | 19.0 |
| 15 | 16.0 | 15.0 | 5.0 | 9.0 | 4.0 | 11.0 | 13.0 | 7.0 | 2.0 | 5.0 | 5.0 | 9.0 | 9.0 | -1.0 | 10.0 | 3.0 | 8.0 | 9.0 | 6.0 | 9.0 | 7.0 | 11.0 | 10.0 | 18.0 | 24 | 18.0 |
| 16 | 12.0 | 13.0 | 14.0 | 8.0 | 8.0 | 5.0 | 11.0 | 2.0 | 5.0 | 11.0 | 4.0 | 3.0 | 5.0 | 1.0 | 3.0 | 2.0 | 4.0 | 3.0 | 7.0 | 3.0 | 5.0 | 22.0 | 13.0 | 12.0 | 24 | 22.0 |
| 17 | 12.0 | 16.0 | 12.0 | 14.0 | 11.0 | 12.0 | 13.0 | 4.0 | 7.0 | 13.0 | 15.0 | 10.0 | 9.0 | 8.0 | 5.0 | 7.0 | 8.0 | 7.0 | 8.0 | 5.0 | 19.0 | 12.0 | 17.0 | 15.0 | 24 | 19.0 |
| 18 | 17.0 | 16.0 | 19.0 | 12.0 | 12.0 | 11.0 | 9.0 | 2.0 | 8.0 | 10.0 | 9.0 | 10.0 | 11.0 | 10.0 | 5.0 | 5.0 | 5.0 | 7.0 | 10.0 | 6.0 | 2.0 | 9.0 | 6.0 | 6.0 | 24 | 19.0 |
| 19 | 10.0 | 10.0 | 3.0 | 9.0 | 12.0 | 15.0 | 13.0 | 14.0 | 10.0 | BA | AX | 4.0 | 16.0 | 11.0 | 7.0 | 10.0 | 13.0 | 9.0 | 10.0 | 11.0 | 13.0 | 12.0 | 20.0 | 19.0 | 22 | 20.0 |
| 20 | 26.0 | 18.0 | 24.0 | 20.0 | 18.0 | 16.0 | 12.0 | 10.0 | 10.0 | 4.0 | 6.0 | 8.0 | 7.0 | 12.0 | 11.0 | 8.0 | 10.0 | 11.0 | 13.0 | 7.0 | 12.0 | 10.0 | 11.0 | 9.0 | 24 | 26.0 |
| 21 | 14.0 | 13.0 | 12.0 | 12.0 | 15.0 | 15.0 | 17.0 | 12.0 | 10.0 | 17.0 | 11.0 | 11.0 | .0 | 13.0 | 14.0 | 7.0 | 7.0 | 8.0 | 6.0 | 10.0 | 10.0 | 9.0 | 7.0 | 9.0 | 24 | 17.0 |
| 22 | 9.0 | 8.0 | 11.0 | 10.0 | 10.0 | 9.0 | 9.0 | 8.0 | 10.0 | 8.0 | 12.0 | 9.0 | 8.0 | 12.0 | 11.0 | 5.0 | 2.0 | 11.0 | 10.0 | 2.0 | 10.0 | 10.0 | 11.0 | 11.0 | 24 | 12.0 |
| 23 | 12.0 | 10.0 | 14.0 | 9.0 | 8.0 | 7.0 | 5.0 | 1.0 | 9.0 | 4.0 | 4.0 | 11.0 | 3.0 | 1.0 | 3.0 | 5.0 | -1.0 | 4.0 | 3.0 | 4.0 | 3.0 | 7.0 | 5.0 | 7.0 | 24 | 14.0 |
| 24 | 7.0 | 10.0 | 8.0 | 10.0 | 8.0 | 9.0 | 9.0 | 5.0 | 1.0 | 9.0 | 11.0 | 7.0 | 11.0 | 9.0 | 8.0 | 7.0 | 11.0 | 7.0 | 8.0 | 8.0 | 7.0 | 8.0 | 8.0 | 8.0 | 24 | 11.0 |
| 25 | 10.0 | 10.0 | 7.0 | 10.0 | 14.0 | 16.0 | 19.0 | 8.0 | 13.0 | 10.0 | 14.0 | 10.0 | 11.0 | 6.0 | 6.0 | 6.0 | 5.0 | 10.0 | 8.0 | 7.0 | 7.0 | 4.0 | 20.0 | 10.0 | 24 | 20.0 |
| 26 | 4.0 | 13.0 | 11.0 | 11.0 | 10.0 | 9.0 | 11.0 | 7.0 | 7.0 | 10.0 | 14.0 | 12.0 | 10.0 | 3.0 | 10.0 | 10.0 | 11.0 | 12.0 | 11.0 | 8.0 | 10.0 | 8.0 | 11.0 | 11.0 | 24 | 14.0 |
| 27 | 9.0 | 12.0 | 11.0 | 12.0 | 10.0 | 18.0 | 12.0 | 17.0 | 12.0 | 17.0 | 13.0 | 20.0 | 21.0 | 11.0 | 13.0 | 27.0 | 12.0 | 9.0 | 5.0 | 13.0 | 9.0 | 14.0 | 11.0 | 6.0 | 24 | 27.0 |
| 28 | 10.0 | 13.0 | 14.0 | 12.0 | 15.0 | 15.0 | 13.0 | 11.0 | 15.0 | 7.0 | 16.0 | 14.0 | 15.0 | 13.0 | 14.0 | 12.0 | 6.0 | -3.0 | 15.0 | 8.0 | 10.0 | 10.0 | 8.0 | 9.0 | 24 | 16.0 |
| 29 | 6.0 | 11.0 | 9.0 | 14.0 | 10.0 | 9.0 | 8.0 | 10.0 | 5.0 | 19.0 | 10.0 | 5.0 | 5.0 | 4.0 | 6.0 | 5.0 | 6.0 | 11.0 | 6.0 | 6.0 | 7.0 | 11.0 | 8.0 | 13.0 | 24 | 19.0 |
| 30 | 7.0 | 8.0 | 11.0 | 10.0 | 12.0 | 12.0 | 16.0 | 18.0 | 8.0 | 10.0 | 1.0 | 1.0 | 1.0 | 1.0 | 8.0 | 9.0 | 8.0 | 9.0 | 6.0 | 9.0 | 6.0 | 2.0 | 6.0 | 4.0 | 24 | 18.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 26.0 | 18.0 | 24.0 | 20.0 | 19.0 | 18.0 | 19.0 | 18.0 | 15.0 | 19.0 | 16.0 | 20.0 | 21.0 | 13.0 | 14.0 | 27.0 | 13.0 | 12.0 | 15.0 | 27.0 | 31.0 | 37.0 | 22.0 | 19.0 | | |
| AVG: | 9.30 | 9.27 | 9.97 | 9.63 | 8.97 | 9.43 | 9.87 | 6.17 | 5.86 | 8.14 | 8.48 | 7.47 | 7.57 | 6.23 | 6.80 | 6.43 | 5.70 | 6.67 | 7.03 | 6.60 | 7.10 | 8.57 | 8.50 | 8.83 | | |

MONTHLY OBSERVATIONS: 716 MONTHLY MEAN: 7.86 MONTHLY MAX: 37.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 4
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MAY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | 2.0 | -1.0 | -1.0 | 2.0 | 3.0 | 1.0 | 1.0 | -1.0 | .0 | -2.0 | .0 | 6.0 | 6.0 | 11.0 | 7.0 | 3.0 | 12.0 | 9.0 | 8.0 | 10.0 | 5.0 | 9.0 | 7.0 | 24 | 12.0 |
| 2 | 6.0 | 8.0 | 7.0 | 9.0 | 8.0 | 8.0 | 12.0 | 2.0 | 7.0 | 8.0 | 12.0 | AX | BA | .0 | 12.0 | 8.0 | 9.0 | 11.0 | 15.0 | 7.0 | 9.0 | 10.0 | 13.0 | -1.0 | 22 | 15.0 |
| 3 | 4.0 | -2.0 | 1.0 | 7.0 | -3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 4.0 | 2.0 | 3.0 | 6.0 | 4.0 | 13.0 | -3.0 | 4.0 | 1.0 | -1.0 | 4.0 | 5.0 | 7.0 | 10.0 | 7.0 | 24 | 13.0 |
| 4 | 9.0 | 7.0 | 6.0 | 6.0 | 5.0 | 4.0 | 7.0 | 10.0 | 4.0 | 1.0 | 8.0 | 2.0 | 1.0 | 7.0 | 5.0 | 9.0 | -3.0 | 1.0 | 9.0 | 6.0 | 5.0 | 10.0 | 6.0 | 8.0 | 24 | 10.0 |
| 5 | 7.0 | 7.0 | 6.0 | 1.0 | 1.0 | .0 | 2.0 | 2.0 | .0 | 4.0 | 5.0 | 6.0 | AZ | -5.0 | 1.0 | 7.0 | 9.0 | .0 | .0 | .0 | .0 | .0 | AN | AN | 21 | 9.0 |
| 6 | -5.0 | 2.0 | 5.0 | 1.0 | 1.0 | -1.0 | .0 | 2.0 | 4.0 | 7.0 | 5.0 | 7.0 | 5.0 | 4.0 | 4.0 | 1.0 | 6.0 | 3.0 | 4.0 | 4.0 | .0 | 4.0 | 7.0 | 3.0 | 24 | 7.0 |
| 7 | 3.0 | 2.0 | 4.0 | 10.0 | 7.0 | 7.0 | 2.0 | 5.0 | 7.0 | 10.0 | 7.0 | 7.0 | 12.0 | 4.0 | 10.0 | 5.0 | 11.0 | 7.0 | 10.0 | 9.0 | 5.0 | 12.0 | 8.0 | 4.0 | 24 | 12.0 |
| 8 | 8.0 | 5.0 | 3.0 | 7.0 | 7.0 | 6.0 | 10.0 | 7.0 | .0 | 9.0 | 11.0 | 7.0 | 7.0 | 9.0 | 10.0 | 6.0 | 5.0 | 7.0 | 11.0 | 9.0 | 14.0 | 6.0 | 10.0 | 11.0 | 24 | 14.0 |
| 9 | 6.0 | 8.0 | 9.0 | 9.0 | 12.0 | 9.0 | 13.0 | 6.0 | 10.0 | 8.0 | 13.0 | 10.0 | 14.0 | 10.0 | 14.0 | 12.0 | 11.0 | 9.0 | 13.0 | 15.0 | 17.0 | 19.0 | 15.0 | 11.0 | 24 | 19.0 |
| 10 | 14.0 | 10.0 | 17.0 | 19.0 | 15.0 | 15.0 | 18.0 | 11.0 | 16.0 | 8.0 | 15.0 | 15.0 | 9.0 | 17.0 | 16.0 | 13.0 | 17.0 | 15.0 | 14.0 | 14.0 | 17.0 | 15.0 | 11.0 | 15.0 | 24 | 19.0 |
| 11 | 16.0 | 12.0 | 10.0 | 15.0 | 15.0 | 17.0 | 14.0 | 14.0 | 17.0 | 14.0 | 24.0 | 19.0 | 13.0 | 14.0 | 15.0 | 15.0 | 13.0 | 9.0 | 13.0 | 12.0 | 12.0 | 11.0 | 12.0 | 17.0 | 24 | 24.0 |
| 12 | 15.0 | 16.0 | 15.0 | 21.0 | 18.0 | 13.0 | 13.0 | 2.0 | 6.0 | 22.0 | 11.0 | 14.0 | 12.0 | 15.0 | 15.0 | 14.0 | 27.0 | 10.0 | 11.0 | 8.0 | 9.0 | 10.0 | 10.0 | 12.0 | 24 | 27.0 |
| 13 | 7.0 | 5.0 | 7.0 | 9.0 | 14.0 | 14.0 | 15.0 | 15.0 | 14.0 | 8.0 | 5.0 | 9.0 | 5.0 | 1.0 | 8.0 | 3.0 | .0 | 2.0 | 6.0 | 8.0 | 3.0 | 3.0 | 1.0 | 6.0 | 24 | 15.0 |
| 14 | 6.0 | 8.0 | 6.0 | 4.0 | 8.0 | 5.0 | 2.0 | 4.0 | 6.0 | 8.0 | 8.0 | 8.0 | 3.0 | 5.0 | 6.0 | 9.0 | 13.0 | 3.0 | 8.0 | 11.0 | .0 | 4.0 | 2.0 | 3.0 | 24 | 13.0 |
| 15 | 3.0 | 3.0 | 2.0 | 6.0 | 5.0 | 6.0 | .0 | 1.0 | .0 | .0 | 1.0 | 3.0 | 5.0 | 6.0 | 6.0 | .0 | 3.0 | 1.0 | 6.0 | 6.0 | 7.0 | 4.0 | 6.0 | 1.0 | 24 | 7.0 |
| 16 | 1.0 | 4.0 | 3.0 | 5.0 | 5.0 | 5.0 | 3.0 | 2.0 | 5.0 | 7.0 | 7.0 | 9.0 | 6.0 | 4.0 | BA | 1.0 | 7.0 | 5.0 | 8.0 | 8.0 | 11.0 | 6.0 | 9.0 | 10.0 | 23 | 11.0 |
| 17 | 8.0 | 11.0 | 11.0 | 13.0 | 13.0 | 15.0 | 10.0 | 11.0 | 16.0 | 9.0 | 16.0 | 10.0 | 9.0 | 12.0 | 10.0 | 5.0 | 9.0 | 7.0 | 5.0 | 12.0 | 10.0 | 6.0 | 12.0 | 15.0 | 24 | 16.0 |
| 18 | 11.0 | 15.0 | 15.0 | 13.0 | 12.0 | 11.0 | 8.0 | 10.0 | 8.0 | 4.0 | 9.0 | 12.0 | 1.0 | 9.0 | 12.0 | 7.0 | 8.0 | 12.0 | 5.0 | 3.0 | 6.0 | 9.0 | 9.0 | 4.0 | 24 | 15.0 |
| 19 | 8.0 | 8.0 | 12.0 | 8.0 | 9.0 | 8.0 | 10.0 | 6.0 | 11.0 | 7.0 | 3.0 | 8.0 | 7.0 | 4.0 | 6.0 | 7.0 | 3.0 | 8.0 | 4.0 | 5.0 | 6.0 | 3.0 | 8.0 | 8.0 | 24 | 12.0 |
| 20 | 8.0 | 11.0 | 9.0 | 5.0 | 10.0 | 11.0 | 10.0 | 9.0 | 10.0 | 14.0 | 10.0 | 10.0 | 7.0 | 7.0 | 10.0 | 11.0 | 9.0 | 6.0 | 11.0 | 7.0 | 5.0 | 5.0 | 1.0 | 2.0 | 24 | 14.0 |
| 21 | 3.0 | 3.0 | 2.0 | 1.0 | 4.0 | -1.0 | .0 | 1.0 | 1.0 | .0 | 2.0 | -1.0 | 5.0 | 2.0 | 15.0 | .0 | 12.0 | -5.0 | 10.0 | 6.0 | 2.0 | 3.0 | 6.0 | 8.0 | 24 | 15.0 |
| 22 | 7.0 | 6.0 | 4.0 | 8.0 | 8.0 | 8.0 | 7.0 | 8.0 | 1.0 | 1.0 | 6.0 | 8.0 | 10.0 | 8.0 | 10.0 | 7.0 | 9.0 | 9.0 | 5.0 | 5.0 | 9.0 | 5.0 | 4.0 | 4.0 | 24 | 10.0 |
| 23 | 5.0 | 3.0 | 5.0 | 3.0 | 8.0 | 7.0 | 5.0 | 5.0 | 4.0 | 6.0 | 5.0 | 4.0 | 7.0 | 4.0 | 5.0 | 6.0 | .0 | 4.0 | 3.0 | 3.0 | 8.0 | 5.0 | 5.0 | 2.0 | 24 | 8.0 |
| 24 | 7.0 | 6.0 | 10.0 | 5.0 | 4.0 | 4.0 | 5.0 | 5.0 | 4.0 | 3.0 | 9.0 | 5.0 | 6.0 | 6.0 | 4.0 | 5.0 | 3.0 | 8.0 | 6.0 | 3.0 | 9.0 | 4.0 | 8.0 | 12.0 | 24 | 12.0 |
| 25 | 13.0 | 14.0 | 13.0 | 9.0 | 10.0 | 12.0 | 9.0 | 8.0 | 7.0 | 11.0 | 15.0 | 11.0 | 17.0 | 10.0 | 10.0 | 10.0 | 11.0 | 14.0 | 15.0 | 17.0 | 20.0 | 16.0 | 17.0 | 15.0 | 24 | 20.0 |
| 26 | 18.0 | 18.0 | 21.0 | 22.0 | 20.0 | 25.0 | 23.0 | 17.0 | 17.0 | AX | -5.0 | 21.0 | 20.0 | 13.0 | 19.0 | 17.0 | 22.0 | 14.0 | 13.0 | 22.0 | 19.0 | 19.0 | 22.0 | 20.0 | 23 | 25.0 |
| 27 | 19.0 | 16.0 | 15.0 | 17.0 | 18.0 | 18.0 | 17.0 | 15.0 | 18.0 | 17.0 | 18.0 | 21.0 | 19.0 | 18.0 | 16.0 | 15.0 | 15.0 | 15.0 | 14.0 | 14.0 | 13.0 | 15.0 | 13.0 | 16.0 | 24 | 21.0 |
| 28 | 16.0 | 17.0 | 12.0 | 14.0 | 13.0 | 13.0 | 12.0 | 11.0 | 16.0 | 13.0 | 17.0 | 13.0 | 10.0 | 15.0 | 11.0 | 16.0 | 5.0 | 13.0 | 8.0 | 11.0 | 12.0 | 13.0 | 18.0 | 17.0 | 24 | 18.0 |
| 29 | 16.0 | 16.0 | 16.0 | 21.0 | 14.0 | 17.0 | 14.0 | 13.0 | 11.0 | 15.0 | 10.0 | 7.0 | 13.0 | 6.0 | 9.0 | 3.0 | 5.0 | 3.0 | 4.0 | 8.0 | 6.0 | 6.0 | 10.0 | 7.0 | 24 | 21.0 |
| 30 | 5.0 | 9.0 | 10.0 | 7.0 | 6.0 | 9.0 | 8.0 | 5.0 | 6.0 | 5.0 | 9.0 | 7.0 | 7.0 | 7.0 | 10.0 | 6.0 | 5.0 | 7.0 | 12.0 | 5.0 | 4.0 | 7.0 | 7.0 | 7.0 | 24 | 12.0 |
| 31 | 9.0 | 8.0 | 6.0 | 8.0 | 7.0 | 7.0 | 6.0 | 10.0 | 5.0 | 5.0 | 7.0 | 11.0 | 11.0 | 9.0 | 8.0 | 8.0 | 15.0 | -2.0 | 1.0 | 12.0 | 6.0 | 8.0 | 5.0 | 3.0 | 24 | 15.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 30 | 29 | 31 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | | |
| MAX: | 19.0 | 18.0 | 21.0 | 22.0 | 20.0 | 25.0 | 23.0 | 17.0 | 18.0 | 22.0 | 24.0 | 21.0 | 20.0 | 18.0 | 19.0 | 17.0 | 27.0 | 15.0 | 15.0 | 22.0 | 20.0 | 19.0 | 22.0 | 20.0 | | |
| AVG: | 8.16 | 8.32 | 8.42 | 9.10 | 8.90 | 8.94 | 8.32 | 7.06 | 7.48 | 7.60 | 8.48 | 8.87 | 8.72 | 7.45 | 10.03 | 7.42 | 8.58 | 6.74 | 8.13 | 8.45 | 8.35 | 8.06 | 9.13 | 8.47 | | |

MONTHLY OBSERVATIONS: 737 MONTHLY MEAN: 8.30 MONTHLY MAX: 27.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 4
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JUNE 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.0 | 7.0 | 7.0 | 9.0 | 6.0 | 8.0 | 6.0 | 1.0 | 11.0 | 12.0 | 11.0 | 10.0 | 7.0 | 5.0 | 9.0 | 6.0 | .0 | 4.0 | 4.0 | 10.0 | 8.0 | 8.0 | 5.0 | 7.0 | 24 | 12.0 |
| 2 | 5.0 | 9.0 | 5.0 | 5.0 | 4.0 | 6.0 | .0 | 8.0 | 11.0 | 16.0 | 15.0 | 14.0 | 15.0 | 15.0 | 17.0 | 14.0 | 20.0 | 12.0 | 7.0 | 1.0 | 9.0 | 3.0 | 6.0 | 5.0 | 24 | 20.0 |
| 3 | 4.0 | 9.0 | 6.0 | 6.0 | 4.0 | 9.0 | 2.0 | 3.0 | 8.0 | 11.0 | 14.0 | 12.0 | 10.0 | 10.0 | 7.0 | 10.0 | 11.0 | 19.0 | 11.0 | 7.0 | 8.0 | 12.0 | 9.0 | 11.0 | 24 | 19.0 |
| 4 | 10.0 | 11.0 | 11.0 | 10.0 | 9.0 | 10.0 | 5.0 | 6.0 | 10.0 | 14.0 | 13.0 | 15.0 | 15.0 | 11.0 | 12.0 | 12.0 | 16.0 | 9.0 | 10.0 | 5.0 | 3.0 | 7.0 | 7.0 | 7.0 | 24 | 16.0 |
| 5 | 11.0 | 10.0 | 11.0 | 10.0 | 12.0 | 10.0 | 10.0 | 7.0 | 8.0 | 5.0 | 13.0 | 8.0 | 3.0 | 9.0 | 2.0 | 5.0 | -3.0 | 9.0 | 2.0 | 3.0 | 3.0 | 7.0 | 3.0 | 2.0 | 24 | 13.0 |
| 6 | 4.0 | 3.0 | 1.0 | 6.0 | 5.0 | 2.0 | 4.0 | -3.0 | 9.0 | 2.0 | 7.0 | 9.0 | 5.0 | 3.0 | 8.0 | 6.0 | 7.0 | 9.0 | 7.0 | 6.0 | 5.0 | 6.0 | 2.0 | .0 | 24 | 9.0 |
| 7 | 5.0 | 3.0 | 5.0 | 3.0 | 7.0 | 8.0 | 5.0 | 5.0 | 4.0 | 10.0 | 7.0 | 8.0 | 11.0 | 3.0 | 9.0 | 7.0 | 2.0 | 4.0 | 4.0 | 4.0 | .0 | 5.0 | 4.0 | 4.0 | 24 | 11.0 |
| 8 | 6.0 | 4.0 | 4.0 | 4.0 | 6.0 | 5.0 | -1.0 | 8.0 | 4.0 | 11.0 | 5.0 | 6.0 | 5.0 | 6.0 | 2.0 | 5.0 | 4.0 | 3.0 | 5.0 | 4.0 | .0 | 5.0 | 5.0 | 6.0 | 24 | 11.0 |
| 9 | 7.0 | 11.0 | 8.0 | 9.0 | 10.0 | 10.0 | 5.0 | 5.0 | AX | BA | BA | 14.0 | 11.0 | 7.0 | 8.0 | 6.0 | 7.0 | 8.0 | 8.0 | 8.0 | 11.0 | 8.0 | 9.0 | 11.0 | 21 | 14.0 |
| 10 | 14.0 | 15.0 | 12.0 | 12.0 | 8.0 | 8.0 | 4.0 | .0 | 5.0 | 13.0 | 7.0 | 8.0 | 7.0 | 9.0 | 11.0 | 10.0 | 9.0 | 11.0 | 8.0 | 8.0 | 7.0 | 10.0 | 11.0 | 11.0 | 24 | 15.0 |
| 11 | 13.0 | 11.0 | 13.0 | 15.0 | 15.0 | 16.0 | 11.0 | 10.0 | 9.0 | 12.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 | 10.0 | 8.0 | 12.0 | 11.0 | 10.0 | 13.0 | 15.0 | 15.0 | 16.0 | 24 | 16.0 |
| 12 | 16.0 | 17.0 | 14.0 | 20.0 | 16.0 | 14.0 | 11.0 | 12.0 | 17.0 | 17.0 | 16.0 | 14.0 | 12.0 | 10.0 | 7.0 | 12.0 | 9.0 | 10.0 | 13.0 | 14.0 | 13.0 | 13.0 | 15.0 | 19.0 | 24 | 20.0 |
| 13 | 14.0 | 17.0 | 17.0 | 19.0 | 21.0 | 19.0 | 17.0 | 16.0 | 14.0 | 12.0 | 14.0 | 15.0 | 17.0 | 14.0 | 10.0 | 10.0 | 16.0 | 16.0 | 16.0 | 18.0 | 17.0 | 20.0 | 20.0 | 22.0 | 24 | 22.0 |
| 14 | 21.0 | 24.0 | 21.0 | 20.0 | 15.0 | 11.0 | 9.0 | 10.0 | 12.0 | 13.0 | 20.0 | 21.0 | 10.0 | 16.0 | 10.0 | 12.0 | 11.0 | 7.0 | 11.0 | 13.0 | 7.0 | 2.0 | 4.0 | 5.0 | 24 | 24.0 |
| 15 | 5.0 | 7.0 | 4.0 | 7.0 | 3.0 | 10.0 | 8.0 | 10.0 | 8.0 | 8.0 | 13.0 | 14.0 | 17.0 | 25.0 | 10.0 | 6.0 | 8.0 | 14.0 | 10.0 | 11.0 | 8.0 | 12.0 | 10.0 | 11.0 | 24 | 25.0 |
| 16 | 7.0 | 8.0 | 5.0 | 7.0 | 7.0 | 6.0 | 11.0 | 11.0 | 7.0 | 13.0 | 10.0 | 3.0 | 10.0 | 6.0 | 5.0 | 6.0 | 5.0 | 5.0 | 4.0 | 9.0 | 3.0 | 3.0 | 4.0 | 6.0 | 24 | 13.0 |
| 17 | 4.0 | 12.0 | 8.0 | 4.0 | 8.0 | 8.0 | 2.0 | 5.0 | 9.0 | 14.0 | 9.0 | -1.0 | 16.0 | 8.0 | 8.0 | 3.0 | 6.0 | 5.0 | .0 | 4.0 | 2.0 | 3.0 | 4.0 | 6.0 | 24 | 16.0 |
| 18 | 5.0 | 3.0 | 5.0 | 2.0 | 7.0 | 3.0 | 7.0 | -1.0 | 4.0 | 4.0 | 5.0 | 8.0 | 8.0 | 9.0 | 3.0 | 8.0 | 10.0 | 6.0 | 7.0 | 7.0 | 5.0 | 3.0 | 6.0 | 8.0 | 24 | 10.0 |
| 19 | 7.0 | 9.0 | 7.0 | 12.0 | 7.0 | 8.0 | 4.0 | 9.0 | 2.0 | 11.0 | 8.0 | 8.0 | 6.0 | 9.0 | 6.0 | 9.0 | 5.0 | 6.0 | .0 | 9.0 | 7.0 | 5.0 | 39.0 | 13.0 | 24 | 39.0 |
| 20 | 13.0 | 8.0 | 5.0 | 9.0 | 5.0 | 8.0 | 4.0 | 3.0 | 5.0 | 11.0 | 11.0 | BK | BK | 7.0 | 10.0 | 9.0 | 13.0 | 16.0 | 1.0 | 8.0 | 13.0 | 10.0 | 8.0 | 6.0 | 22 | 16.0 |
| 21 | 9.0 | 9.0 | 9.0 | 14.0 | 13.0 | 14.0 | 12.0 | 9.0 | 10.0 | 12.0 | 17.0 | 11.0 | 12.0 | 9.0 | 8.0 | 10.0 | 10.0 | 10.0 | 12.0 | 10.0 | 12.0 | 12.0 | 11.0 | 15.0 | 24 | 17.0 |
| 22 | 10.0 | 13.0 | 11.0 | 10.0 | 12.0 | 14.0 | 12.0 | 10.0 | 10.0 | 13.0 | 15.0 | 11.0 | 15.0 | 9.0 | 14.0 | 13.0 | 8.0 | 12.0 | 13.0 | 20.0 | 16.0 | 17.0 | 16.0 | 16.0 | 24 | 20.0 |
| 23 | 15.0 | 16.0 | 17.0 | 15.0 | 14.0 | 15.0 | 13.0 | 13.0 | AX | BA | 9.0 | 12.0 | 15.0 | 14.0 | 8.0 | 13.0 | 12.0 | 9.0 | 13.0 | 15.0 | 14.0 | 13.0 | 13.0 | 18.0 | 22 | 18.0 |
| 24 | 13.0 | 3.0 | 6.0 | 5.0 | 6.0 | 6.0 | 2.0 | 12.0 | 6.0 | 9.0 | 12.0 | 13.0 | 6.0 | 7.0 | 6.0 | 8.0 | 6.0 | 8.0 | 10.0 | 7.0 | 8.0 | 11.0 | 7.0 | 8.0 | 24 | 13.0 |
| 25 | 11.0 | 10.0 | 11.0 | 11.0 | 13.0 | 10.0 | 10.0 | 10.0 | 13.0 | 5.0 | 10.0 | 11.0 | 10.0 | 7.0 | 11.0 | 8.0 | 8.0 | 6.0 | 8.0 | 8.0 | 12.0 | 9.0 | 11.0 | 11.0 | 24 | 13.0 |
| 26 | 7.0 | 11.0 | 10.0 | 6.0 | 10.0 | 5.0 | 5.0 | 5.0 | 10.0 | 11.0 | 5.0 | 11.0 | 12.0 | 9.0 | 10.0 | 13.0 | 15.0 | 11.0 | 12.0 | 11.0 | 10.0 | 12.0 | 11.0 | 12.0 | 24 | 15.0 |
| 27 | 16.0 | 12.0 | 10.0 | 16.0 | 15.0 | 15.0 | 13.0 | 14.0 | 16.0 | 11.0 | 16.0 | 13.0 | 11.0 | 13.0 | 12.0 | 26.0 | 2.0 | 10.0 | 8.0 | 5.0 | 8.0 | 9.0 | 4.0 | 5.0 | 24 | 26.0 |
| 28 | 6.0 | 11.0 | 9.0 | 10.0 | 10.0 | 6.0 | 11.0 | 10.0 | 11.0 | 7.0 | 8.0 | 6.0 | 2.0 | 2.0 | 7.0 | 11.0 | 7.0 | 7.0 | 9.0 | 7.0 | 6.0 | 7.0 | 6.0 | 10.0 | 24 | 11.0 |
| 29 | 10.0 | 10.0 | 10.0 | 7.0 | 12.0 | 11.0 | 6.0 | 5.0 | 10.0 | 15.0 | 7.0 | 11.0 | 11.0 | 8.0 | 11.0 | 11.0 | 7.0 | 11.0 | 3.0 | 11.0 | 11.0 | 10.0 | 12.0 | 7.0 | 24 | 15.0 |
| 30 | 10.0 | 7.0 | 13.0 | 9.0 | 11.0 | 12.0 | 10.0 | 15.0 | 14.0 | 14.0 | 13.0 | 12.0 | 16.0 | 15.0 | 16.0 | 17.0 | 14.0 | 14.0 | 9.0 | 14.0 | 19.0 | 20.0 | -2.0 | 2.0 | 24 | 20.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 28 | 28 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 21.0 | 24.0 | 21.0 | 20.0 | 21.0 | 19.0 | 17.0 | 16.0 | 17.0 | 17.0 | 20.0 | 21.0 | 17.0 | 25.0 | 17.0 | 26.0 | 20.0 | 19.0 | 16.0 | 20.0 | 19.0 | 20.0 | 39.0 | 22.0 | | |
| AVG: | 9.53 | 10.00 | 9.17 | 9.73 | 9.70 | 9.57 | 7.27 | 7.60 | 9.18 | 10.93 | 11.21 | 10.76 | 10.52 | 9.50 | 8.90 | 9.87 | 8.43 | 9.43 | 7.87 | 8.90 | 8.60 | 9.23 | 9.17 | 9.33 | | |

MONTHLY OBSERVATIONS: 713 MONTHLY MEAN: 9.34 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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 4
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JULY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.0 | 3.0 | 3.0 | 5.0 | 4.0 | 5.0 | 11.0 | 10.0 | 7.0 | 8.0 | 6.0 | 14.0 | 16.0 | 14.0 | 11.0 | 10.0 | 5.0 | 10.0 | 13.0 | 9.0 | 11.0 | 10.0 | 22.0 | 16.0 | 24 | 22.0 |
| 2 | 15.0 | 14.0 | 16.0 | 11.0 | 13.0 | 11.0 | 8.0 | 8.0 | 11.0 | 16.0 | 18.0 | 11.0 | 16.0 | 13.0 | 11.0 | 17.0 | 12.0 | 11.0 | 19.0 | 7.0 | 11.0 | 12.0 | 15.0 | 10.0 | 24 | 19.0 |
| 3 | 8.0 | 6.0 | 8.0 | 7.0 | 12.0 | 9.0 | 11.0 | 3.0 | 10.0 | 8.0 | 12.0 | 15.0 | 10.0 | 13.0 | 8.0 | 8.0 | 17.0 | 3.0 | 10.0 | 12.0 | 21.0 | 19.0 | 14.0 | 23.0 | 24 | 23.0 |
| 4 | 8.0 | 7.0 | 7.0 | 2.0 | 1.0 | 5.0 | 3.0 | 1.0 | 1.0 | 2.0 | 7.0 | 7.0 | 11.0 | 15.0 | 17.0 | 16.0 | 21.0 | 16.0 | 13.0 | 18.0 | 19.0 | 18.0 | 27.0 | 30.0 | 24 | 30.0 |
| 5 | 21.0 | 21.0 | 18.0 | 20.0 | 18.0 | 20.0 | 14.0 | 13.0 | 16.0 | 18.0 | 21.0 | 18.0 | 16.0 | 13.0 | 29.0 | -5.0 | .0 | -1.0 | 3.0 | 7.0 | 6.0 | 6.0 | 6.0 | 6.0 | 24 | 29.0 |
| 6 | 6.0 | 5.0 | 7.0 | 9.0 | 7.0 | 9.0 | 8.0 | 7.0 | 8.0 | 11.0 | 7.0 | 9.0 | 10.0 | 5.0 | 8.0 | 8.0 | 8.0 | 12.0 | 8.0 | 14.0 | 7.0 | 9.0 | 4.0 | 1.0 | 24 | 14.0 |
| 7 | 7.0 | 6.0 | 6.0 | .0 | 4.0 | 7.0 | 8.0 | 4.0 | AX | BA | 7.0 2 | 7.0 2 | 7.0 2 | 4.0 2 | 3.0 2 | 8.0 2 | 6.0 2 | 6.0 2 | 10.0 2 | 10.0 2 | 6.0 2 | 3.0 2 | 7.0 2 | 6.0 2 | 22 | 10.0 |
| 8 | 7.0 2 | 6.0 2 | 4.0 2 | 4.0 2 | 5.0 2 | 4.0 2 | 4.0 2 | 3.0 2 | 8.0 2 | 6.0 2 | 9.0 2 | 8.0 2 | 12.0 2 | 7.0 2 | 12.0 2 | 9.0 2 | 10.0 2 | 10.0 2 | 9.0 2 | 16.0 2 | -5.0 2 | 4.0 2 | 4.0 2 | 8.0 2 | 24 | 16.0 |
| 9 | 7.0 2 | 2.0 2 | 7.0 2 | 3.0 2 | 4.0 2 | 7.0 2 | 4.0 2 | 1.0 2 | 7.0 2 | 11.0 2 | 6.0 2 | 7.0 2 | 5.0 2 | 3.0 2 | .0 2 | 3.0 2 | 7.0 2 | 7.0 2 | 5.0 2 | 9.0 2 | 3.0 2 | 4.0 2 | 4.0 2 | 8.0 2 | 24 | 11.0 |
| 10 | 9.0 2 | 11.0 2 | 9.0 2 | 8.0 2 | 10.0 2 | 7.0 2 | 7.0 2 | 10.0 2 | 8.0 2 | 11.0 2 | 9.0 2 | 12.0 2 | 10.0 2 | 4.0 2 | 7.0 2 | 6.0 2 | 5.0 2 | 6.0 2 | 7.0 2 | 8.0 2 | 12.0 2 | 7.0 2 | 13.0 2 | 6.0 2 | 24 | 13.0 |
| 11 | 6.0 2 | 4.0 2 | 11.0 2 | 8.0 2 | 7.0 2 | 9.0 2 | 8.0 2 | 8.0 2 | 8.0 2 | 9.0 2 | 9.0 2 | 14.0 2 | 14.0 2 | 12.0 2 | 8.0 2 | 13.0 2 | 30.0 2 | .0 2 | 7.0 2 | 8.0 2 | 2.0 2 | 9.0 2 | 7.0 2 | 4.0 2 | 24 | 30.0 |
| 12 | 5.0 2 | 8.0 2 | 8.0 2 | 3.0 2 | -1.0 2 | 3.0 2 | 3.0 2 | 2.0 2 | -4.0 2 | 8.0 2 | 12.0 2 | 14.0 2 | 9.0 2 | 11.0 2 | 18.0 2 | 2.0 2 | 6.0 2 | -2.0 2 | 10.0 2 | 12.0 2 | 8.0 2 | 10.0 2 | 9.0 2 | 8.0 2 | 24 | 18.0 |
| 13 | 9.0 2 | 12.0 2 | 12.0 2 | 11.0 2 | 11.0 2 | 11.0 2 | 8.0 2 | 8.0 2 | 14.0 2 | 21.0 2 | 22.0 2 | 20.0 2 | 18.0 2 | 18.0 2 | 17.0 2 | 19.0 2 | 24.0 2 | 7.0 2 | 23.0 2 | 17.0 2 | 17.0 2 | 20.0 2 | 16.0 2 | 18.0 2 | 24 | 24.0 |
| 14 | 19.0 2 | 13.0 2 | 16.0 2 | 16.0 2 | 16.0 2 | 18.0 2 | 12.0 2 | 10.0 2 | 11.0 2 | 21.0 2 | 15.0 2 | 15.0 2 | 13.0 2 | 12.0 2 | 10.0 2 | 19.0 2 | 11.0 2 | 13.0 2 | 7.0 2 | 9.0 2 | 13.0 2 | 7.0 2 | 9.0 2 | 11.0 2 | 24 | 21.0 |
| 15 | 11.0 2 | 11.0 2 | 11.0 2 | 8.0 2 | 9.0 2 | 9.0 2 | 6.0 2 | 7.0 2 | 4.0 2 | 9.0 2 | 11.0 2 | 3.0 2 | 8.0 2 | 6.0 2 | 7.0 2 | 8.0 2 | 7.0 2 | 9.0 2 | 3.0 2 | 4.0 2 | AV | AV | -2.0 2 | 8.0 2 | 22 | 11.0 |
| 16 | 8.0 2 | 9.0 2 | 5.0 2 | 7.0 2 | 3.0 2 | 5.0 2 | BK | BK | BK | .0 2 | -5.0 2 | 16.0 2 | 12.0 2 | 11.0 2 | 19.0 2 | 2.0 2 | -5.0 2 | 1.0 2 | 9.0 2 | 11.0 2 | 10.0 2 | 11.0 2 | 6.0 2 | 8.0 2 | 21 | 19.0 |
| 17 | 4.0 2 | 5.0 2 | .0 2 | 4.0 2 | 7.0 2 | 7.0 2 | 4.0 2 | 4.0 2 | 11.0 2 | 6.0 2 | 6.0 2 | 4.0 2 | 12.0 2 | 9.0 2 | 9.0 2 | 9.0 2 | 7.0 2 | 9.0 2 | 7.0 2 | 7.0 2 | 12.0 2 | 11.0 2 | 4.0 2 | 1.0 2 | 24 | 12.0 |
| 18 | 4.0 2 | 2.0 2 | 8.0 2 | 6.0 2 | 6.0 2 | 5.0 2 | 5.0 2 | -2.0 2 | 3.0 2 | 5.0 2 | 8.0 2 | 10.0 2 | 12.0 2 | 7.0 2 | 9.0 2 | BA | BA | .0 | 4.0 | 11.0 | 11.0 | 8.0 | 12.0 | 8.0 | 22 | 12.0 |
| 19 | 7.0 | 7.0 | 9.0 | 10.0 | 11.0 | 6.0 | 5.0 | 7.0 | 8.0 | 10.0 | 8.0 | 7.0 | 7.0 | 8.0 | 6.0 | 9.0 | 12.0 | -1.0 | 6.0 | 8.0 | 2.0 | 4.0 | 3.0 | 3.0 | 24 | 12.0 |
| 20 | 5.0 | 7.0 | 7.0 | .0 | 4.0 | 7.0 | 8.0 | 6.0 | 5.0 | 11.0 | 12.0 | 11.0 | 12.0 | 13.0 | 8.0 | 8.0 | 15.0 | 7.0 | 10.0 | 10.0 | 14.0 | 11.0 | 10.0 | 10.0 | 24 | 15.0 |
| 21 | 16.0 | 13.0 | 8.0 | 14.0 | 10.0 | 10.0 | 7.0 | 5.0 | AX | BA | 5.0 | 19.0 | 14.0 | 13.0 | 12.0 | 11.0 | 12.0 | 9.0 | 16.0 | 11.0 | 12.0 | 12.0 | 8.0 | 9.0 | 22 | 19.0 |
| 22 | 11.0 | 10.0 | 8.0 | 6.0 | 7.0 | 7.0 | 7.0 | 4.0 | 8.0 | 9.0 | 12.0 | 14.0 | 16.0 | 14.0 | 19.0 | -5.0 | 2.0 | 12.0 | 16.0 | 9.0 | 3.0 | 6.0 | 7.0 | 9.0 | 24 | 19.0 |
| 23 | 10.0 | 11.0 | 7.0 | 5.0 | 10.0 | 6.0 | 6.0 | 2.0 | 9.0 | 10.0 | 13.0 | 13.0 | 9.0 | 15.0 | 8.0 | 7.0 | 13.0 | 18.0 | 11.0 | 5.0 | 11.0 | 14.0 | 8.0 | 14.0 | 24 | 18.0 |
| 24 | 11.0 | 12.0 | 13.0 | 12.0 | 9.0 | 11.0 | 15.0 | 7.0 | 10.0 | 10.0 | 12.0 | 12.0 | 11.0 | 13.0 | 8.0 | 9.0 | 12.0 | 9.0 | 12.0 | 10.0 | 10.0 | 11.0 | 12.0 | 15.0 | 24 | 15.0 |
| 25 | 14.0 | 12.0 | 15.0 | 15.0 | 12.0 | 14.0 | 9.0 | 11.0 | 14.0 | 10.0 | 15.0 | 16.0 | 16.0 | 8.0 | 10.0 | 9.0 | 12.0 | 9.0 | 11.0 | 11.0 | 9.0 | 4.0 | 10.0 | 8.0 | 24 | 16.0 |
| 26 | 10.0 | 9.0 | 9.0 | 7.0 | 10.0 | 10.0 | 7.0 | 10.0 | 9.0 | 10.0 | 12.0 | 12.0 | 11.0 | 11.0 | 9.0 | 10.0 | 9.0 | 7.0 | 9.0 | 7.0 | 9.0 | 4.0 | 7.0 | 14.0 | 24 | 14.0 |
| 27 | 10.0 | 8.0 | 6.0 | 6.0 | 7.0 | 9.0 | 11.0 | 4.0 | 6.0 | 6.0 | 13.0 | 11.0 | 12.0 | 15.0 | 6.0 | 13.0 | 14.0 | 13.0 | 7.0 | 10.0 | 10.0 | 12.0 | 11.0 | 11.0 | 24 | 15.0 |
| 28 | 8.0 | 9.0 | 8.0 | 8.0 | 11.0 | 10.0 | 9.0 | 5.0 | 9.0 | 11.0 | 10.0 | 9.0 | 6.0 | 8.0 | 3.0 | 6.0 | 4.0 | 6.0 | 9.0 | 10.0 | 7.0 | 5.0 | 6.0 | 9.0 | 24 | 11.0 |
| 29 | 6.0 | 6.0 | 7.0 | 4.0 | 1.0 | .0 | 4.0 | -1.0 | 1.0 | 1.0 | 3.0 | 7.0 | 3.0 | 5.0 | 4.0 | 8.0 | 7.0 | 4.0 | 10.0 | 9.0 | 8.0 | 4.0 | 7.0 | 6.0 | 24 | 10.0 |
| 30 | 5.0 | 4.0 | 4.0 | 6.0 | 7.0 | 3.0 | 6.0 | 1.0 | 5.0 | 1.0 | 6.0 | 9.0 | 9.0 | 4.0 | 7.0 | 7.0 | 10.0 | 5.0 | 5.0 | .0 | 9.0 | 6.0 | 2.0 | 3.0 | 24 | 10.0 |
| 31 | 6.0 | 5.0 | 6.0 | 4.0 | 7.0 | 8.0 | 3.0 | 1.0 | 5.0 | 6.0 | 9.0 | 8.0 | 6.0 | 8.0 | 4.0 | -2.0 | 8.0 | 11.0 | 13.0 | 2.0 | 9.0 | 3.0 | 7.0 | 5.0 | 24 | 13.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 28 | 29 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 31 | 31 | 31 | 30 | 30 | 31 | 31 | | |
| MAX: | 21.0 | 21.0 | 18.0 | 20.0 | 18.0 | 20.0 | 15.0 | 13.0 | 16.0 | 21.0 | 22.0 | 20.0 | 18.0 | 18.0 | 29.0 | 19.0 | 30.0 | 18.0 | 23.0 | 18.0 | 21.0 | 20.0 | 27.0 | 30.0 | | |
| AVG: | 8.90 | 8.32 | 8.48 | 7.39 | 7.81 | 8.13 | 7.37 | 5.30 | 7.57 | 9.14 | 10.00 | 11.35 | 11.06 | 10.06 | 9.90 | 8.07 | 10.03 | 7.29 | 9.74 | 9.39 | 9.23 | 8.80 | 8.87 | 9.55 | | |

MONTHLY OBSERVATIONS: 733 MONTHLY MEAN: 8.83 MONTHLY MAX: 30.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 4
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: AUGUST 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.0 | 4.0 | 1.0 | 5.0 | 6.0 | 8.0 | 7.0 | 8.0 | 7.0 | 6.0 | 11.0 | 8.0 | 10.0 | 13.0 | 7.0 | 5.0 | 4.0 | 10.0 | 4.0 | 9.0 | 9.0 | 5.0 | 6.0 | 7.0 | 24 | 13.0 |
| 2 | 7.0 | 6.0 | 4.0 | 7.0 | 4.0 | 7.0 | 9.0 | 9.0 | 9.0 | 5.0 | 8.0 | 13.0 | 12.0 | 11.0 | 11.0 | 4.0 | -1.0 | -3.0 | 16.0 | 3.0 | 4.0 | 6.0 | 4.0 | 6.0 | 24 | 16.0 |
| 3 | 10.0 | 10.0 | 11.0 | 6.0 | 7.0 | 11.0 | 14.0 | 12.0 | 11.0 | 6.0 | 8.0 | 12.0 | 11.0 | 10.0 | 15.0 | 19.0 | .0 | 11.0 | 6.0 | 13.0 | 7.0 | 3.0 | 5.0 | 9.0 | 24 | 19.0 |
| 4 | 8.0 | 10.0 | 7.0 | 6.0 | 6.0 | 8.0 | 8.0 | AX | BA | BA | 5.0 | 7.0 | 6.0 | 8.0 | 10.0 | 16.0 | 14.0 | 11.0 | 13.0 | 14.0 | 11.0 | 9.0 | 10.0 | 10.0 | 21 | 16.0 |
| 5 | 8.0 | 11.0 | 9.0 | 8.0 | 11.0 | 14.0 | 4.0 | 8.0 | 10.0 | 13.0 | 10.0 | 9.0 | 10.0 | 7.0 | 10.0 | 10.0 | 14.0 | 15.0 | -5.0 | 6.0 | .0 | 6.0 | 3.0 | 6.0 | 24 | 15.0 |
| 6 | 7.0 | 7.0 | 2.0 | 4.0 | -2.0 | 4.0 | 1.0 | -3.0 | -5.0 | 3.0 | 3.0 | 11.0 | 12.0 | 11.0 | 13.0 | 11.0 | 9.0 | 15.0 | 10.0 | 9.0 | 8.0 | 10.0 | 11.0 | 11.0 | 24 | 15.0 |
| 7 | 10.0 | 10.0 | 12.0 | 10.0 | 13.0 | 7.0 | 13.0 | 7.0 | 11.0 | 7.0 | 9.0 | 7.0 | 15.0 | 12.0 | 14.0 | 1.0 | 6.0 | 12.0 | 5.0 | 7.0 | 5.0 | 8.0 | 8.0 | 10.0 | 24 | 15.0 |
| 8 | 15.0 | 8.0 | 10.0 | 10.0 | 7.0 | 8.0 | 10.0 | 9.0 | 7.0 | 12.0 | 14.0 | 9.0 | 9.0 | 14.0 | 12.0 | 10.0 | 10.0 | 15.0 | 11.0 | 12.0 | 13.0 | 14.0 | 18.0 | 10.0 | 24 | 18.0 |
| 9 | 14.0 | 8.0 | 8.0 | 14.0 | 13.0 | 8.0 | 11.0 | 7.0 | 8.0 | 8.0 | 11.0 | 12.0 | 9.0 | 6.0 | 5.0 | 4.0 | 6.0 | 10.0 | 10.0 | -3.0 | 6.0 | 5.0 | 4.0 | 2.0 | 24 | 14.0 |
| 10 | 2.0 | 5.0 | 2.0 | 7.0 | 6.0 | 4.0 | 5.0 | 6.0 | 5.0 | .0 | 16.0 | 8.0 | -5.0 | 13.0 | 14.0 | 5.0 | -2.0 | 9.0 | 5.0 | 9.0 | 6.0 | 8.0 | 5.0 | 6.0 | 24 | 16.0 |
| 11 | 4.0 | 7.0 | 6.0 | 6.0 | 5.0 | 5.0 | 7.0 | 6.0 | 5.0 | 9.0 | 11.0 | 4.0 | 7.0 | 11.0 | 9.0 | 10.0 | 3.0 | 12.0 | 9.0 | 6.0 | 10.0 | 3.0 | 3.0 | 6.0 | 24 | 12.0 |
| 12 | 5.0 | 6.0 | 8.0 | 8.0 | 5.0 | 3.0 | 5.0 | 2.0 | 9.0 | 9.0 | 6.0 | 8.0 | 3.0 | 4.0 | 4.0 | 3.0 | 2.0 | 3.0 | 4.0 | 5.0 | 5.0 | 7.0 | 8.0 | 9.0 | 24 | 9.0 |
| 13 | 8.0 | 10.0 | 9.0 | 9.0 | 7.0 | 6.0 | 9.0 | 8.0 | 8.0 | 17.0 | 16.0 | 12.0 | 6.0 | 7.0 | 4.0 | 3.0 | 4.0 | 2.0 | 5.0 | 4.0 | 4.0 | 4.0 | 3.0 | 6.0 | 24 | 17.0 |
| 14 | 5.0 | 6.0 | 6.0 | 5.0 | 6.0 | 8.0 | 7.0 | 3.0 | 4.0 | 6.0 | 7.0 | 11.0 | 7.0 | 6.0 | 5.0 | 7.0 | 7.0 | 6.0 | 4.0 | 5.0 | 7.0 | 6.0 | 6.0 | 10.0 | 24 | 11.0 |
| 15 | 4.0 | .0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | -3.0 | 4.0 | 7.0 | 15.0 | 13.0 | 8.0 | 11.0 | 9.0 | 4.0 | 6.0 | 5.0 | 12.0 | 3.0 | 2.0 | 2.0 | 6.0 | 6.0 | 24 | 15.0 |
| 16 | 7.0 | 8.0 | 8.0 | 7.0 | 5.0 | 4.0 | 5.0 | 1.0 | AZ | AZ | 7.0 | 8.0 | 4.0 | 7.0 | 5.0 | 5.0 | 4.0 | 7.0 | 2.0 | 6.0 | 5.0 | 4.0 | 4.0 | 3.0 | 22 | 8.0 |
| 17 | 7.0 | 4.0 | 6.0 | 7.0 | 7.0 | 3.0 | 3.0 | 4.0 | 4.0 | 10.0 | 12.0 | 8.0 | 4.0 | 9.0 | 8.0 | 6.0 | 12.0 | -5.0 | 5.0 | 5.0 | 5.0 | 6.0 | 5.0 | 1.0 | 24 | 12.0 |
| 18 | 3.0 | 4.0 | 4.0 | 5.0 | 5.0 | 6.0 | 3.0 | -3.0 | .0 | 9.0 | 4.0 | 4.0 | 4.0 | 3.0 | 9.0 | 17.0 | -2.0 | 7.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 24 | 17.0 |
| 19 | 8.0 | 1.0 | 4.0 | 1.0 | .0 | 1.0 | 2.0 | -5.0 | 1.0 | 4.0 | 4.0 | 5.0 | 4.0 | 3.0 | 9.0 | 7.0 | 2.0 | 5.0 | 3.0 | 3.0 | 1.0 | 3.0 | 8.0 | 3.0 | 24 | 9.0 |
| 20 | 4.0 | 4.0 | 7.0 | 5.0 | 5.0 | 2.0 | 2.0 | 2.0 | 4.0 | 8.0 | 11.0 | 21.0 | 7.0 | 13.0 | 11.0 | 15.0 | 6.0 | -1.0 | 7.0 | 4.0 | 4.0 | 6.0 | 3.0 | 5.0 | 24 | 21.0 |
| 21 | 5.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 2.0 | -1.0 | .0 | -1.0 | 4.0 | 6.0 | 7.0 | 5.0 | 3.0 | 15.0 | -1.0 | -5.0 | 7.0 | 1.0 | 1.0 | 2.0 | 4.0 | 2.0 | 24 | 15.0 |
| 22 | 4.0 | 3.0 | 7.0 | 4.0 | 1.0 | 6.0 | 6.0 | -1.0 | 8.0 | 4.0 | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | 6.0 | 2.0 | 5.0 | 9.0 | 8.0 | 3.0 | 7.0 | 5.0 | 10.0 | 24 | 10.0 |
| 23 | 6.0 | 7.0 | 6.0 | 6.0 | 9.0 | 6.0 | 9.0 | 2.0 | 5.0 | -1.0 | 8.0 | 11.0 | 8.0 | 12.0 | 1.0 | 12.0 | 4.0 | 10.0 | 12.0 | 13.0 | 10.0 | 16.0 | 15.0 | 14.0 | 24 | 16.0 |
| 24 | 10.0 | 10.0 | 11.0 | 10.0 | 8.0 | 11.0 | 7.0 | 11.0 | 9.0 | 16.0 | 14.0 | 11.0 | 11.0 | 12.0 | 13.0 | 8.0 | 13.0 | 7.0 | 13.0 | 11.0 | 7.0 | 10.0 | 9.0 | 8.0 | 24 | 16.0 |
| 25 | 10.0 | 7.0 | 8.0 | 12.0 | 9.0 | 10.0 | 8.0 | 6.0 | 7.0 | 4.0 | 10.0 | 11.0 | 10.0 | 11.0 | 8.0 | 7.0 | 10.0 | 4.0 | 8.0 | 9.0 | 8.0 | 10.0 | 12.0 | 11.0 | 24 | 12.0 |
| 26 | 12.0 | 9.0 | 7.0 | 8.0 | 7.0 | 8.0 | 6.0 | 3.0 | 5.0 | 12.0 | -5.0 | 13.0 | 8.0 | 5.0 | 9.0 | 10.0 | 14.0 | 8.0 | 10.0 | 8.0 | 9.0 | 14.0 | 12.0 | 14.0 | 24 | 14.0 |
| 27 | 11.0 | 13.0 | 11.0 | 13.0 | 10.0 | 11.0 | 12.0 | 7.0 | 6.0 | 13.0 | 16.0 | 14.0 | 14.0 | 11.0 | 15.0 | -4.0 | 17.0 | 12.0 | 8.0 | 10.0 | 9.0 | 11.0 | 13.0 | 10.0 | 24 | 17.0 |
| 28 | 8.0 | 10.0 | 9.0 | 8.0 | 10.0 | 8.0 | 14.0 | 13.0 | 16.0 | 16.0 | 15.0 | 14.0 | 19.0 | 14.0 | 18.0 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 15 | 19.0 |
| 29 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | BA | 11.0 | 14.0 | 11.0 | 18.0 | 11.0 | 14.0 | 12.0 | 14.0 | 10.0 | 13.0 | 9.0 | 11.0 | 14.0 | 18.0 | 12.0 | 15 | 18.0 |
| 30 | 13.0 | 12.0 | 14.0 | 11.0 | 11.0 | 12.0 | 8.0 | 4.0 | 9.0 | 16.0 | 13.0 | 10.0 | 12.0 | 14.0 | 12.0 | 16.0 | 13.0 | 12.0 | 11.0 | 9.0 | 11.0 | 11.0 | 17.0 | 15.0 | 24 | 17.0 |
| 31 | 15.0 | 15.0 | 13.0 | 12.0 | 11.0 | 11.0 | 11.0 | 3.0 | 6.0 | 11.0 | 17.0 | 14.0 | 11.0 | 14.0 | 13.0 | 12.0 | BA | BA | 11.0 | 10.0 | 10.0 | 9.0 | 6.0 | 4.0 | 22 | 17.0 |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 29 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 15.0 | 15.0 | 14.0 | 14.0 | 13.0 | 14.0 | 14.0 | 13.0 | 16.0 | 17.0 | 17.0 | 21.0 | 19.0 | 14.0 | 18.0 | 19.0 | 17.0 | 15.0 | 16.0 | 14.0 | 13.0 | 16.0 | 18.0 | 15.0 | | |
| AVG: | 7.70 | 7.27 | 7.17 | 7.30 | 6.60 | 6.87 | 7.03 | 4.31 | 6.18 | 8.28 | 9.65 | 10.00 | 8.55 | 9.42 | 9.45 | 8.53 | 6.55 | 7.21 | 7.67 | 6.97 | 6.43 | 7.37 | 7.77 | 7.63 | | |

MONTHLY OBSERVATIONS: 719 MONTHLY MEAN: 7.60 MONTHLY MAX: 21.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 4
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: SEPTEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.0 | 10.0 | 2.0 | 5.0 | 4.0 | 6.0 | 6.0 | 2.0 | 5.0 | 10.0 | 15.0 | 13.0 | 11.0 | 13.0 | 2.0 | 15.0 | -5.0 | 3.0 | 10.0 | 10.0 | 8.0 | 10.0 | 5.0 | 5.0 | 24 | 15.0 |
| 2 | 4.0 | 9.0 | 7.0 | 8.0 | 4.0 | 8.0 | 6.0 | 9.0 | 9.0 | 9.0 | 9.0 | 8.0 | 12.0 | 11.0 | 12.0 | 11.0 | 7.0 | 5.0 | 4.0 | 1.0 | 4.0 | 3.0 | 4.0 | 3.0 | 24 | 12.0 |
| 3 | 3.0 | 5.0 | 4.0 | 3.0 | 1.0 | 5.0 | 3.0 | -5.0 | -3.0 | 9.0 | 5.0 | 7.0 | 6.0 | 3.0 | 8.0 | 2.0 | 4.0 | 2.0 | 8.0 | -1.0 | 3.0 | 6.0 | 5.0 | 8.0 | 24 | 9.0 |
| 4 | 7.0 | 7.0 | 9.0 | 4.0 | 2.0 | 8.0 | 4.0 | 2.0 | 4.0 | 7.0 | 9.0 | 5.0 | 5.0 | 10.0 | 6.0 | 2.0 | 10.0 | 8.0 | 2.0 | 6.0 | 7.0 | 13.0 | 6.0 | 9.0 | 24 | 13.0 |
| 5 | 9.0 | 5.0 | 4.0 | 5.0 | 5.0 | 5.0 | 6.0 | -1.0 | -3.0 | 3.0 | 15.0 | 10.0 | 15.0 | 11.0 | 8.0 | 7.0 | 3.0 | 8.0 | 8.0 | 7.0 | 5.0 | 8.0 | 9.0 | 6.0 | 24 | 15.0 |
| 6 | 8.0 | 10.0 | 5.0 | 6.0 | 10.0 | 2.0 | 6.0 | 2.0 | .0 | 7.0 | 16.0 | 8.0 | 8.0 | 4.0 | 15.0 | 3.0 | 8.0 | 10.0 | 10.0 | 5.0 | 6.0 | 7.0 | 10.0 | 11.0 | 24 | 16.0 |
| 7 | 8.0 | 8.0 | 11.0 | 8.0 | 10.0 | 12.0 | 8.0 | 5.0 | 2.0 | 11.0 | 11.0 | 9.0 | 9.0 | 10.0 | 3.0 | 13.0 | 8.0 | 7.0 | 7.0 | 8.0 | 7.0 | 7.0 | 11.0 | 6.0 | 24 | 13.0 |
| 8 | 8.0 | 10.0 | 11.0 | 12.0 | 7.0 | 10.0 | 8.0 | 6.0 | 4.0 | 9.0 | 9.0 | 11.0 | 14.0 | 7.0 | 7.0 | 12.0 | 8.0 | 3.0 | 9.0 | 10.0 | 5.0 | 10.0 | 12.0 | 9.0 | 24 | 14.0 |
| 9 | 12.0 | 12.0 | 13.0 | 5.0 | 9.0 | 6.0 | 13.0 | 8.0 | AX | BA | -5.0 | 13.0 | 17.0 | 12.0 | 14.0 | 16.0 | 5.0 | 6.0 | 15.0 | 12.0 | 12.0 | 14.0 | 16.0 | 17.0 | 22 | 17.0 |
| 10 | 16.0 | 17.0 | 12.0 | 10.0 | 15.0 | 14.0 | 11.0 | 14.0 | 2.0 | 13.0 | 14.0 | 23.0 | 24.0 | 18.0 | 10.0 | 12.0 | 9.0 | 15.0 | 14.0 | 12.0 | 15.0 | 13.0 | 13.0 | 12.0 | 24 | 24.0 |
| 11 | 12.0 | 15.0 | 14.0 | 18.0 | 15.0 | 13.0 | 15.0 | 10.0 | 10.0 | 5.0 | 10.0 | 3.0 | 1.0 | 4.0 | 1.0 | 7.0 | 8.0 | .0 | 9.0 | .0 | .0 | 4.0 | 4.0 | 1.0 | 24 | 18.0 |
| 12 | 4.0 | .0 | 5.0 | 4.0 | 3.0 | 5.0 | 13.0 | 11.0 | 6.0 | 2.0 | 8.0 | 5.0 | 7.0 | 13.0 | 6.0 | 10.0 | 11.0 | 16.0 | 14.0 | 11.0 | 13.0 | 13.0 | 12.0 | 18.0 | 24 | 18.0 |
| 13 | 13.0 | 12.0 | 15.0 | 15.0 | 18.0 | 17.0 | 16.0 | 9.0 | 11.0 | 21.0 | 22.0 | 10.0 | 12.0 | 10.0 | 11.0 | 21.0 | 11.0 | 5.0 | 10.0 | 7.0 | 9.0 | 11.0 | 12.0 | 15.0 | 24 | 22.0 |
| 14 | 15.0 | 10.0 | 4.0 | 8.0 | 5.0 | 10.0 | 14.0 | 10.0 | 4.0 | 14.0 | 9.0 | 11.0 | 16.0 | 7.0 | 10.0 | 9.0 | 4.0 | 9.0 | 4.0 | 11.0 | 14.0 | 11.0 | 12.0 | 9.0 | 24 | 16.0 |
| 15 | 10.0 | 10.0 | 10.0 | 11.0 | 9.0 | 14.0 | 9.0 | 4.0 | 6.0 | 16.0 | 13.0 | 10.0 | 14.0 | 12.0 | 10.0 | 14.0 | 2.0 | 8.0 | 16.0 | 11.0 | 14.0 | 16.0 | 17.0 | 15.0 | 24 | 17.0 |
| 16 | 15.0 | 17.0 | 19.0 | 17.0 | 19.0 | 16.0 | 15.0 | 14.0 | 11.0 | 14.0 | 9.0 | 11.0 | 22.0 | 10.0 | 16.0 | 12.0 | 22.0 | 8.0 | 16.0 | 16.0 | 12.0 | 12.0 | 14.0 | 16.0 | 24 | 22.0 |
| 17 | 12.0 | 14.0 | 16.0 | 13.0 | 15.0 | 14.0 | 12.0 | 14.0 | 12.0 | 14.0 | 16.0 | 9.0 | 8.0 | 9.0 | 7.0 | 8.0 | 17.0 | 8.0 | 15.0 | 13.0 | 13.0 | 11.0 | 15.0 | 15.0 | 24 | 17.0 |
| 18 | 12.0 | 16.0 | 13.0 | 16.0 | 11.0 | 11.0 | 10.0 | 12.0 | 5.0 | 9.0 | 14.0 | 11.0 | 12.0 | 9.0 | 8.0 | 10.0 | 9.0 | 9.0 | 10.0 | 5.0 | 10.0 | 4.0 | 6.0 | 7.0 | 24 | 16.0 |
| 19 | 4.0 | 7.0 | 6.0 | 6.0 | 4.0 | 5.0 | 1.0 | 2.0 | -4.0 | 10.0 | 12.0 | 7.0 | 3.0 | 5.0 | -2.0 | 3.0 | 4.0 | 4.0 | -1.0 | 3.0 | -2.0 | 6.0 | 4.0 | 8.0 | 24 | 12.0 |
| 20 | 5.0 | 4.0 | 4.0 | 2.0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 5.0 | 10.0 | 6.0 | 7.0 | 5.0 | 10.0 | 7.0 | 7.0 | 6.0 | 9.0 | 3.0 | 4.0 | 3.0 | 8.0 | 6.0 | 24 | 10.0 |
| 21 | 7.0 | 7.0 | 6.0 | 3.0 | 7.0 | 5.0 | 6.0 | 4.0 | AX | BA | 8.0 | 1.0 | 11.0 | 6.0 | -2.0 | 10.0 | 6.0 | 4.0 | 1.0 | 2.0 | 3.0 | 2.0 | 6.0 | 2.0 | 22 | 11.0 |
| 22 | 4.0 | 3.0 | 3.0 | 5.0 | 6.0 | 5.0 | 4.0 | 6.0 | 7.0 | 6.0 | 8.0 | 9.0 | 2.0 | 4.0 | 2.0 | 2.0 | 5.0 | .0 | 3.0 | 4.0 | 4.0 | 2.0 | 4.0 | 4.0 | 24 | 9.0 |
| 23 | -1.0 | 4.0 | 5.0 | .0 | 5.0 | 1.0 | 7.0 | 1.0 | 4.0 | 3.0 | 4.0 | 3.0 | 11.0 | 2.0 | -2.0 | 3.0 | 3.0 | .0 | 4.0 | 1.0 | 4.0 | 7.0 | 6.0 | 4.0 | 24 | 11.0 |
| 24 | 5.0 | 5.0 | 6.0 | 3.0 | 2.0 | -2.0 | 1.0 | 3.0 | -2.0 | .0 | 7.0 | 10.0 | 11.0 | 10.0 | 8.0 | 8.0 | 9.0 | 6.0 | 4.0 | 8.0 | 9.0 | 11.0 | 13.0 | 17.0 | 24 | 17.0 |
| 25 | 18.0 | 13.0 | 12.0 | 7.0 | 10.0 | 13.0 | 16.0 | 25.0 | 25.0 | 28.0 | 19.0 | 32.0 | 17.0 | 15.0 | 17.0 | 23.0 | 16.0 | 24.0 | 19.0 | 16.0 | 20.0 | 21.0 | 17.0 | 12.0 | 24 | 32.0 |
| 26 | 10.0 | 15.0 | 7.0 | 1.0 | 6.0 | 8.0 | 4.0 | 5.0 | 1.0 | 9.0 | 26.0 | 16.0 | 20.0 | 15.0 | 19.0 | 16.0 | 21.0 | 3.0 | 7.0 | 10.0 | 6.0 | 5.0 | 4.0 | 7.0 | 24 | 26.0 |
| 27 | 4.0 | 8.0 | 6.0 | 5.0 | 6.0 | 4.0 | 3.0 | 6.0 | 6.0 | 2.0 | 10.0 | 8.0 | 12.0 | 10.0 | 9.0 | 14.0 | 20.0 | 12.0 | 13.0 | 15.0 | 15.0 | 15.0 | 23.0 | 20.0 | 24 | 23.0 |
| 28 | 14.0 | 13.0 | 9.0 | 8.0 | 12.0 | 10.0 | 9.0 | 5.0 | 7.0 | 11.0 | 10.0 | 4.0 | 6.0 | 10.0 | 11.0 | 11.0 | 12.0 | 13.0 | 17.0 | 13.0 | 18.0 | 21.0 | 16.0 | 15.0 | 24 | 21.0 |
| 29 | 15.0 | 11.0 | 14.0 | 13.0 | 13.0 | 14.0 | 10.0 | 14.0 | AX | BA | BA | BC | BC | BC | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 8 | 15.0 |
| 30 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 26 | 26 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | | |
| MAX: | 18.0 | 17.0 | 19.0 | 18.0 | 19.0 | 17.0 | 16.0 | 25.0 | 25.0 | 28.0 | 26.0 | 32.0 | 24.0 | 18.0 | 19.0 | 23.0 | 22.0 | 24.0 | 19.0 | 16.0 | 20.0 | 21.0 | 23.0 | 20.0 | | |
| AVG: | 8.93 | 9.55 | 8.69 | 7.62 | 8.03 | 8.24 | 8.17 | 6.86 | 5.00 | 9.50 | 11.18 | 9.75 | 11.18 | 9.11 | 8.00 | 10.04 | 8.71 | 7.21 | 9.18 | 7.82 | 8.50 | 9.50 | 10.14 | 9.89 | | |

MONTHLY OBSERVATIONS: 676 MONTHLY MEAN: 8.79 MONTHLY MAX: 32.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 4
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: OCTOBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 2 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 3 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 4 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | BA | 10.0 | 6.0 | 8.0 | 12.0 | 3.0 | 8.0 | 4.0 | 10.0 | 7.0 | 7.0 | 9.0 | 9.0 | 12 | 12.0 |
| 5 | 11.0 | 9.0 | 10.0 | 11.0 | 12.0 | 10.0 | 11.0 | 5.0 | 6.0 | 4.0 | 6.0 | .0 | 4.0 | 5.0 | 7.0 | 12.0 | 1.0 | 3.0 | 6.0 | 4.0 | 6.0 | 10.0 | 6.0 | 5.0 | 24 | 12.0 |
| 6 | 5.0 | 7.0 | 7.0 | 3.0 | 7.0 | 8.0 | 8.0 | 6.0 | 2.0 | 5.0 | 7.0 | 3.0 | 4.0 | 3.0 | 3.0 | 9.0 | 4.0 | 8.0 | 5.0 | 5.0 | 5.0 | 6.0 | 7.0 | 2.0 | 24 | 9.0 |
| 7 | 7.0 | 6.0 | 3.0 | 3.0 | 2.0 | 4.0 | 3.0 | 2.0 | 2.0 | 3.0 | 2.0 | 3.0 | 2.0 | 3.0 | 6.0 | 2.0 | .0 | 1.0 | .0 | 1.0 | 3.0 | 2.0 | 4.0 | 2.0 | 24 | 7.0 |
| 8 | .0 | 3.0 | -1.0 | -4.0 | 2.0 | .0 | -1.0 | -2.0 | .0 | -3.0 | 1.0 | -1.0 | 2.0 | -1.0 | 1.0 | 1.0 | 1.0 | -1.0 | -1.0 | -1.0 | 2.0 | 3.0 | 7.0 | 3.0 | 24 | 7.0 |
| 9 | 4.0 | 5.0 | 3.0 | 5.0 | 3.0 | 3.0 | 3.0 | 2.0 | -2.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | -1.0 | 3.0 | 2.0 | 1.0 | 2.0 | .0 | 2.0 | 3.0 | 8.0 | 24 | 8.0 |
| 10 | 7.0 | 3.0 | 2.0 | 7.0 | 7.0 | 6.0 | 13.0 | 7.0 | 1.0 | 5.0 | 6.0 | AX | BA | 4.0 | 4.0 | 6.0 | 3.0 | 2.0 | 2.0 | .0 | 7.0 | 10.0 | 15.0 | 13.0 | 22 | 15.0 |
| 11 | 12.0 | 7.0 | 8.0 | 7.0 | 9.0 | 4.0 | 6.0 | 10.0 | .0 | 8.0 | 9.0 | 7.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 10.0 | 6.0 | 7.0 | 5.0 | 15.0 | 12.0 | 11.0 | 24 | 15.0 |
| 12 | 7.0 | 6.0 | 3.0 | 4.0 | 4.0 | 10.0 | 8.0 | 4.0 | 1.0 | 1.0 | 11.0 | 7.0 | 6.0 | 3.0 | 9.0 | 10.0 | 11.0 | 5.0 | 14.0 | 7.0 | 8.0 | 20.0 | 12.0 | 11.0 | 24 | 20.0 |
| 13 | 13.0 | 10.0 | 6.0 | 13.0 | 5.0 | 8.0 | 7.0 | 5.0 | -1.0 | 1.0 | 14.0 | 10.0 | 8.0 | 10.0 | 1.0 | 9.0 | 14.0 | 12.0 | 10.0 | 12.0 | 17.0 | 17.0 | 20.0 | 15.0 | 24 | 20.0 |
| 14 | 15.0 | 16.0 | 11.0 | 15.0 | 16.0 | 7.0 | 9.0 | 7.0 | 7.0 | 4.0 | 2.0 | 7.0 | 3.0 | 9.0 | 8.0 | 11.0 | 6.0 | 11.0 | 11.0 | 13.0 | 9.0 | 10.0 | 7.0 | 9.0 | 24 | 16.0 |
| 15 | 8.0 | 7.0 | 4.0 | 9.0 | 6.0 | 2.0 | 6.0 | 4.0 | 1.0 | 7.0 | 10.0 | 8.0 | 10.0 | 11.0 | 11.0 | 12.0 | 9.0 | 13.0 | 12.0 | 12.0 | 19.0 | 15.0 | 23.0 | 115.0 | 24 | 115.0 |
| 16 | 18.0 | 25.0 | 25.0 | 16.0 | 21.0 | 18.0 | 18.0 | 16.0 | 12.0 | 18.0 | 16.0 | 12.0 | 11.0 | 8.0 | 8.0 | 10.0 | 9.0 | 13.0 | 12.0 | 9.0 | 9.0 | 13.0 | 13.0 | 8.0 | 24 | 25.0 |
| 17 | 9.0 | 11.0 | 8.0 | 14.0 | 7.0 | 9.0 | 16.0 | 8.0 | 3.0 | 2.0 | 10.0 | 14.0 | 11.0 | 7.0 | 8.0 | 5.0 | 9.0 | 12.0 | 6.0 | 7.0 | 7.0 | 8.0 | 5.0 | 6.0 | 24 | 16.0 |
| 18 | 7.0 | 5.0 | 9.0 | 11.0 | 15.0 | 7.0 | 9.0 | 8.0 | 8.0 | 6.0 | 13.0 | 5.0 | 5.0 | 6.0 | 5.0 | 7.0 | 6.0 | 9.0 | 9.0 | 3.0 | 6.0 | 5.0 | 7.0 | 7.0 | 24 | 15.0 |
| 19 | 6.0 | 8.0 | 11.0 | 4.0 | 7.0 | 6.0 | 2.0 | 4.0 | 3.0 | 4.0 | 8.0 | 9.0 | 6.0 | 3.0 | 3.0 | 9.0 | 4.0 | 6.0 | 2.0 | 4.0 | 7.0 | 8.0 | 11.0 | 16.0 | 24 | 16.0 |
| 20 | 13.0 | 11.0 | 7.0 | 9.0 | 9.0 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 5 | 13.0 |
| 21 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | BA | 9.0 | 1.0 | -3.0 | 1.0 | 2.0 | .0 | 8.0 | -1.0 | -2.0 | 1.0 | -2.0 | 1.0 | 2.0 | 13 | 9.0 |
| 22 | 2.0 | 2.0 | 4.0 | .0 | -1.0 | 2.0 | 3.0 | 3.0 | 1.0 | 8.0 | .0 | 3.0 | 2.0 | 3.0 | 4.0 | .0 | 6.0 | 5.0 | 1.0 | -1.0 | 3.0 | 6.0 | 2.0 | -2.0 | 24 | 8.0 |
| 23 | 1.0 | 2.0 | -1.0 | 3.0 | 4.0 | 1.0 | 1.0 | 2.0 | -4.0 | 6.0 | 1.0 | 4.0 | 1.0 | 4.0 | 3.0 | 4.0 | 4.0 | 3.0 | 4.0 | 4.0 | 8.0 | 4.0 | 6.0 | .0 | 24 | 8.0 |
| 24 | 3.0 | 9.0 | 5.0 | 3.0 | 4.0 | 8.0 | 6.0 | 10.0 | 9.0 | 7.0 | 10.0 | AX | BA | 8.0 | 7.0 | 5.0 | 4.0 | 5.0 | 4.0 | 7.0 | 8.0 | 12.0 | 10.0 | 14.0 | 22 | 14.0 |
| 25 | 3.0 | 7.0 | 8.0 | 9.0 | 9.0 | 6.0 | 5.0 | 7.0 | 2.0 | 14.0 | 5.0 | -2.0 | 5.0 | 2.0 | 1.0 | 7.0 | 5.0 | 10.0 | 4.0 | 4.0 | 6.0 | 10.0 | 10.0 | 11.0 | 24 | 14.0 |
| 26 | 7.0 | 12.0 | 9.0 | 10.0 | 5.0 | 5.0 | 8.0 | 7.0 | .0 | 13.0 | 13.0 | 11.0 | 10.0 | 7.0 | 5.0 | 11.0 | 8.0 | 12.0 | 7.0 | 10.0 | 9.0 | 10.0 | 13.0 | 8.0 | 24 | 13.0 |
| 27 | 12.0 | 11.0 | 14.0 | 11.0 | 10.0 | 13.0 | 14.0 | 11.0 | 6.0 | 12.0 | 7.0 | 13.0 | 17.0 | 13.0 | 9.0 | 4.0 | 9.0 | 15.0 | 10.0 | 8.0 | 10.0 | 9.0 | 12.0 | 14.0 | 24 | 17.0 |
| 28 | 13.0 | 12.0 | 15.0 | 9.0 | 10.0 | 7.0 | 15.0 | 20.0 | 11.0 | 17.0 | 14.0 | 8.0 | 5.0 | 10.0 | 6.0 | 8.0 | 6.0 | 11.0 | 7.0 | 5.0 | 5.0 | 15.0 | 10.0 | 10.0 | 24 | 20.0 |
| 29 | 14.0 | 11.0 | 12.0 | 11.0 | 8.0 | 11.0 | 4.0 | 4.0 | -4.0 | 6.0 | 11.0 | 13.0 | 11.0 | 12.0 | 12.0 | 9.0 | 10.0 | 10.0 | 9.0 | 9.0 | 7.0 | 16.0 | 13.0 | 17.0 | 24 | 17.0 |
| 30 | 16.0 | 17.0 | 11.0 | 10.0 | 8.0 | 10.0 | 10.0 | 10.0 | -1.0 | 18.0 | 6.0 | 15.0 | 14.0 | 8.0 | 7.0 | 10.0 | 6.0 | 14.0 | 15.0 | 11.0 | 9.0 | 6.0 | 10.0 | 15.0 | 24 | 18.0 |
| 31 | 11.0 | 15.0 | 12.0 | 12.0 | 12.0 | 10.0 | 14.0 | 21.0 | 5.0 | 17.0 | 18.0 | 17.0 | 15.0 | 9.0 | 15.0 | 17.0 | 13.0 | 14.0 | 15.0 | 14.0 | 16.0 | 17.0 | 11.0 | 15.0 | 24 | 21.0 |
| NO.: | 26 | 26 | 26 | 26 | 26 | 25 | 25 | 25 | 25 | 25 | 25 | 24 | 25 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | | |
| MAX: | 18.0 | 25.0 | 25.0 | 16.0 | 21.0 | 18.0 | 18.0 | 21.0 | 12.0 | 18.0 | 18.0 | 17.0 | 17.0 | 13.0 | 15.0 | 17.0 | 14.0 | 15.0 | 15.0 | 14.0 | 19.0 | 20.0 | 23.0 | 115.0 | | |
| AVG: | 8.62 | 9.12 | 7.88 | 7.88 | 7.73 | 7.00 | 7.92 | 7.24 | 2.72 | 7.44 | 8.16 | 7.42 | 6.80 | 5.85 | 5.96 | 7.26 | 5.89 | 8.19 | 6.44 | 6.07 | 7.37 | 9.41 | 9.59 | 12.74 | | |

MONTHLY OBSERVATIONS: 626 MONTHLY MEAN: 7.54 MONTHLY MAX: 115.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 4
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: NOVEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.0 | 13.0 | 5.0 | 5.0 | 5.0 | 8.0 | 10.0 | 12.0 | 12.0 | 35.0 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 10 | 35.0 |
| 2 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | BA | 14.0 | 19.0 | 15.0 | 18.0 | 14.0 | 12.0 | 8.0 | 10.0 | 12.0 | 15.0 | 15.0 | 11 | 19.0 |
| 3 | 19.0 | 16.0 | 13.0 | 12.0 | 18.0 | 13.0 | 14.0 | 15.0 | 11.0 | 14.0 | 17.0 | 13.0 | 11.0 | 9.0 | 10.0 | 9.0 | 9.0 | 11.0 | 10.0 | 14.0 | 12.0 | 14.0 | 12.0 | 14.0 | 24 | 19.0 |
| 4 | 11.0 | 10.0 | 12.0 | 11.0 | 7.0 | 8.0 | 7.0 | 1.0 | -2.0 | 2.0 | 5.0 | 5.0 | 5.0 | .0 | 3.0 | 2.0 | 5.0 | 2.0 | 3.0 | 3.0 | 5.0 | 4.0 | 4.0 | 3.0 | 24 | 12.0 |
| 5 | 6.0 | 6.0 | 5.0 | 6.0 | 6.0 | 2.0 | 6.0 | .0 | -5.0 | 1.0 | 2.0 | 5.0 | 4.0 | 2.0 | 6.0 | 4.0 | 3.0 | 8.0 | 2.0 | 2.0 | 6.0 | 12.0 | 7.0 | 13.0 | 24 | 13.0 |
| 6 | 12.0 | 10.0 | 5.0 | 9.0 | 6.0 | 4.0 | 2.0 | 6.0 | -5.0 | 2.0 | 2.0 | 7.0 | 3.0 | 1.0 | -1.0 | -1.0 | 6.0 | 7.0 | .0 | 2.0 | 9.0 | 17.0 | 15.0 | 9.0 | 24 | 17.0 |
| 7 | 6.0 | 10.0 | 5.0 | 8.0 | 5.0 | 6.0 | 6.0 | 7.0 | -5.0 | 1.0 | 12.0 | 6.0 | 7.0 | 2.0 | 2.0 | 6.0 | 5.0 | 6.0 | 6.0 | 11.0 | 9.0 | 18.0 | 18.0 | 12.0 | 24 | 18.0 |
| 8 | 10.0IT | 8.0IT | 10.0IT | 10.0IT | 11.0IT | 17.0IT | 18.0IT | 34.0IT | 32.0IT | 21.0IT | 28.0IT | 29.0IT | 37.0IT | 38.0IT | 15.0IT | 23.0IT | 29.0IT | 22.0IT | 24.0IT | 20.0IT | 17.0IT | 25.0IT | 26.0IT | 23.0IT | 24 | 38.0 |
| 9 | 22.0IT | 28.0IT | 27.0IT | 39.0IT | 50.0IT | 58.0IT | 58.0IT | 47.0IT | 36.0IT | 22.0IT | 21.0IT | 7.0IT | AZ | BA | 9.0IT | 6.0IT | 6.0IT | 2.0IT | 11.0IT | 3.0IT | 2.0IT | 3.0IT | 2.0IT | 5.0IT | 22 | 58.0 |
| 10 | -5.0 | 1.0 | .0 | 4.0 | 3.0 | 1.0 | -1.0 | -3.0 | -5.0 | 4.0 | 4.0 | 1.0 | -4.0 | 4.0 | 3.0 | 2.0 | 3.0 | 7.0 | 4.0 | 9.0 | 26.0 | 22.0 | 27.0 | 47.0 | 24 | 47.0 |
| 11 | 32.0 | 12.0 | 13.0 | 11.0 | 12.0 | 12.0 | 17.0 | 17.0 | .0 | 9.0 | 7.0 | 6.0 | 5.0 | 4.0 | 2.0 | 4.0 | 4.0 | 2.0 | 4.0 | 5.0 | 13.0 | 8.0 | 6.0 | 8.0 | 24 | 32.0 |
| 12 | 7.0 | 5.0 | 6.0 | 7.0 | 6.0 | 7.0 | 6.0 | 6.0 | -1.0 | 1.0 | 3.0 | 4.0 | 3.0 | 3.0 | 8.0 | .0 | 8.0 | 7.0 | 2.0 | 3.0 | 10.0 | 8.0 | 10.0 | 5.0 | 24 | 10.0 |
| 13 | 6.0IT | 7.0IT | 7.0IT | 6.0IT | 9.0IT | 7.0IT | 8.0IT | 4.0IT | -2.0IT | 39.0IT | 42.0IT | 17.0IT | 17.0IT | 63.0IT | 71.0IT | 51.0IT | 39.0IT | 47.0IT | 81.0IT | 55.0IT | 26.0IT | 19.0IT | 29.0IT | 32.0IT | 24 | 81.0 |
| 14 | 56.0IT | 72.0IT | 83.0IT | 88.0IT | 96.0IT | 91.0IT | 92.0IT | 85.0IT | 82.0IT | 74.0IT | 93.0IT | 38.0IT | 24.0IT | 25.0IT | 28.0IT | 29.0IT | 28.0IT | 33.0IT | 38.0IT | 66.0IT | 50.0IT | 60.0IT | 55.0IT | 48.0IT | 24 | 96.0 |
| 15 | 49.0IT | 56.0IT | 59.0IT | 60.0IT | 61.0IT | 66.0IT | 74.0IT | .0IT | 70.0IT | 50.0IT | 62.0IT | 44.0IT | 34.0IT | 27.0IT | 39.0IT | 116.0IT | 85.0IT | 65.0IT | 57.0IT | 65.0IT | 70.0IT | 51.0IT | 44.0IT | 55.0IT | 24 | 116.0 |
| 16 | 56.0IT | 62.0IT | 38.0IT | 34.0IT | 30.0IT | 20.0IT | 23.0IT | 23.0IT | 14.0IT | 20.0IT | 15.0IT | 13.0IT | 16.0IT | 6.0IT | 12.0IT | 26.0IT | 63.0IT | 45.0IT | 38.0IT | 47.0IT | 50.0IT | 45.0IT | 34.0IT | 39.0IT | 24 | 63.0 |
| 17 | 40.0IT | 39.0IT | 31.0IT | 21.0IT | 25.0IT | 23.0IT | 20.0IT | 15.0IT | 16.0IT | 16.0IT | 19.0IT | 18.0IT | 28.0IT | 33.0IT | 40.0IT | 48.0IT | 40.0IT | 44.0IT | 41.0IT | 44.0IT | 46.0IT | 37.0IT | 39.0IT | 60.0IT | 24 | 60.0 |
| 18 | 48.0IT | 44.0IT | 46.0IT | 49.0IT | 52.0IT | 52.0IT | 52.0IT | 50.0IT | 41.0IT | 46.0IT | 43.0IT | 43.0IT | 57.0IT | 78.0IT | 112.0IT | 83.0IT | 43.0IT | 49.0IT | 46.0IT | 39.0IT | 26.0IT | 24.0IT | 22.0IT | 18.0IT | 24 | 112.0 |
| 19 | 22.0IT | 19.0IT | 22.0IT | 24.0IT | 31.0IT | 31.0IT | 28.0IT | 33.0IT | 32.0IT | 32.0IT | 37.0IT | 25.0IT | 13.0IT | -5.0IT | .0IT | 3.0IT | .0IT | 4.0IT | .0IT | 1.0IT | .0IT | 4.0IT | 5.0IT | .0IT | 24 | 37.0 |
| 20 | 3.0 | 2.0 | 4.0 | 2.0 | 1.0 | 3.0 | 1.0 | 2.0 | -5.0 | 2.0 | 2.0 | .0 | -2.0 | -4.0 | 6.0 | -1.0 | 5.0 | 1.0 | .0 | 3.0 | 5.0 | 3.0 | 3.0 | 2.0 | 24 | 6.0 |
| 21 | 4.0 | 2.0 | 2.0 | 5.0 | 4.0 | 4.0 | 4.0 | 2.0 | 1.0 | 5.0 | 6.0 | 4.0 | 4.0 | 2.0 | 4.0 | .0 | 4.0 | .0 | 1.0 | 3.0 | 4.0 | 1.0 | 6.0 | 9.0 | 24 | 9.0 |
| 22 | 7.0IT | 4.0IT | 10.0IT | 10.0IT | 5.0IT | 10.0IT | 10.0IT | 11.0IT | 3.0IT | 13.0IT | AX | BA | BA | 8.0IT | 11.0IT | 9.0IT | 17.0IT | 21.0IT | 26.0IT | 29.0IT | 26.0IT | 29.0IT | 38.0IT | 38.0IT | 21 | 38.0 |
| 23 | 28.0IT | 28.0IT | 26.0IT | 28.0IT | 34.0IT | 31.0IT | 36.0IT | 42.0IT | 39.0IT | 36.0IT | 35.0IT | 30.0IT | 21.0IT | 15.0IT | 14.0IT | 11.0IT | 8.0IT | 11.0IT | 9.0IT | 5.0IT | 10.0IT | 9.0IT | 10.0IT | 5.0IT | 24 | 42.0 |
| 24 | 10.0IT | 9.0IT | 12.0IT | 15.0IT | 12.0IT | 9.0IT | 11.0IT | 10.0IT | 14.0IT | 10.0IT | 11.0IT | 8.0IT | 11.0IT | 18.0IT | 16.0IT | 17.0IT | 16.0IT | 17.0IT | 13.0IT | 14.0IT | 16.0IT | 20.0IT | 21.0IT | 19.0IT | 24 | 21.0 |
| 25 | 22.0IT | 16.0IT | 21.0IT | 19.0IT | 21.0IT | 22.0IT | 16.0IT | 17.0IT | 12.0IT | 6.0IT | 10.0IT | 8.0IT | 13.0IT | 12.0IT | 9.0IT | 8.0IT | 6.0IT | 9.0IT | 8.0IT | 11.0IT | 14.0IT | 12.0IT | 10.0IT | 10.0IT | 24 | 22.0 |
| 26 | 4.0 | 4.0 | 4.0 | 5.0 | 6.0 | 8.0 | 12.0 | 10.0 | 3.0 | 6.0 | 5.0 | 2.0 | 4.0 | 4.0 | 5.0 | .0 | 3.0 | 2.0 | 2.0 | 4.0 | 8.0 | 8.0 | 11.0 | 9.0 | 24 | 12.0 |
| 27 | 6.0 | 9.0 | 12.0 | 7.0 | 4.0 | 9.0 | 6.0 | 7.0 | 5.0 | 5.0 | 11.0 | 4.0 | 6.0 | 10.0 | 14.0 | 18.0 | 17.0 | 20.0 | 15.0 | 17.0 | 19.0 | 15.0 | 13.0 | 23.0 | 24 | 23.0 |
| 28 | 19.0IT | 19.0IT | 20.0IT | 19.0IT | 19.0IT | 20.0IT | 21.0IT | 14.0IT | 15.0IT | 15.0IT | 11.0IT | 14.0IT | 16.0IT | 13.0IT | 11.0IT | 10.0IT | 11.0IT | 14.0IT | 14.0IT | 17.0IT | 15.0IT | 15.0IT | 15.0IT | 12.0IT | 24 | 21.0 |
| 29 | 11.0 | 3.0 | 6.0 | 7.0 | 3.0 | 1.0 | 1.0 | 3.0 | 5.0 | 9.0 | 3.0 | 4.0 | 3.0 | -5.0 | 5.0 | 4.0 | 1.0 | 4.0 | 2.0 | 4.0 | 4.0 | 6.0 | 8.0 | 8.0 | 24 | 11.0 |
| 30 | 6.0 | 6.0 | 5.0 | 7.0 | 8.0 | 6.0 | 8.0 | 10.0 | 9.0 | 6.0 | 10.0 | 5.0 | 10.0 | 7.0 | 9.0 | 9.0 | 11.0 | 13.0 | 6.0 | -5.0 | .0 | 1.0 | .0 | .0 | 24 | 13.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 27 | 27 | 26 | 28 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | | |
| MAX: | 56.0 | 72.0 | 83.0 | 88.0 | 96.0 | 91.0 | 92.0 | 85.0 | 82.0 | 74.0 | 93.0 | 44.0 | 57.0 | 78.0 | 112.0 | 116.0 | 85.0 | 65.0 | 81.0 | 66.0 | 70.0 | 60.0 | 55.0 | 60.0 | | |
| AVG: | 18.14 | 17.93 | 17.55 | 18.21 | 18.97 | 18.93 | 19.52 | 16.55 | 14.55 | 17.31 | 19.11 | 13.33 | 13.31 | 13.71 | 16.62 | 17.62 | 17.00 | 16.79 | 16.38 | 17.21 | 17.52 | 17.31 | 17.41 | 18.66 | | |

MONTHLY OBSERVATIONS: 688 MONTHLY MEAN: 17.09 MONTHLY MAX: 116.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-035-0004 POC: 4
COUNTY: (035) Catawba
CITY: (31060) Hickory
SITE ADDRESS: 1650 1ST STREET
SITE COMMENTS: DUKE POWER ELECTRIC METER NO 72856943
MONITOR COMMENTS: ID2=307

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (3290) HICKORY, NC
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.728889
LONGITUDE: -81.365556
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 333
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: DECEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.0 | -2.0 | 2.0 | 1.0 | .0 | 6.0 | -1.0 | 4.0 | 1.0 | 6.0 | 2.0 | 2.0 | 4.0 | 1.0 | 4.0 | 3.0 | 4.0 | 11.0 | .0 | .0 | 3.0 | .0 | 4.0 | 3.0 | 24 | 11.0 |
| 2 | 2.0 | 3.0 | 5.0 | 8.0 | 4.0 | 5.0 | 4.0 | 7.0 | 5.0 | 3.0 | 1.0 | -1.0 | 2.0 | -1.0 | 5.0 | 5.0 | .0 | 3.0 | .0 | 6.0 | -1.0 | 4.0 | 1.0 | 6.0 | 24 | 8.0 |
| 3 | 3.0 | 8.0 | 4.0 | 5.0 | 2.0 | 7.0 | 7.0 | 3.0 | 5.0 | 6.0 | 6.0 | 2.0 | 3.0 | 6.0 | 5.0 | .0 | 7.0 | 10.0 | 7.0 | 7.0 | 6.0 | 8.0 | 3.0 | 9.0 | 24 | 10.0 |
| 4 | 7.0 | 8.0 | 13.0 | 11.0 | 10.0 | 8.0 | 9.0 | 8.0 | 3.0 | 5.0 | 3.0 | 8.0 | 6.0 | 3.0 | 5.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 6.0 | 4.0 | 1.0 | 3.0 | 24 | 13.0 |
| 5 | 1.0 | .0 | 1.0 | 1.0 | 4.0 | 6.0 | -2.0 | 5.0 | 3.0 | -1.0 | 9.0 | 4.0 | 3.0 | 6.0 | 9.0 | 7.0 | 5.0 | 5.0 | 6.0 | 5.0 | 7.0 | 10.0 | 13.0 | 12.0 | 24 | 13.0 |
| 6 | 3.0 | 5.0 | 4.0 | 2.0 | 7.0 | 1.0 | 3.0 | 3.0 | 1.0 | 3.0 | -1.0 | 2.0 | -1.0 | -2.0 | -4.0 | -1.0 | 2.0 | -1.0 | -1.0 | 3.0 | 3.0 | 6.0 | 5.0 | 12.0 | 24 | 12.0 |
| 7 | 11.0 | 4.0 | 5.0 | 3.0 | 1.0 | 10.0 | 6.0 | 11.0 | 7.0 | 3.0 | 6.0 | 10.0 | .0 | AX | BA | 16.0 | 2.0 | 5.0 | 4.0 | 5.0 | 2.0 | 5.0 | 10.0 | 13.0 | 22 | 16.0 |
| 8 | 9.0 | 13.0 | 13.0 | 16.0 | 12.0 | 19.0 | 15.0 | 13.0 | 8.0 | 5.0 | .0 | 6.0 | -3.0 | -2.0 | -1.0 | 1.0 | 2.0 | -1.0 | 2.0 | 3.0 | 2.0 | 2.0 | -2.0 | 4.0 | 24 | 19.0 |
| 9 | 2.0 | 2.0 | 3.0 | 2.0 | 1.0 | 2.0 | .0 | 8.0 | 3.0 | 3.0 | 4.0 | .0 | 3.0 | 5.0 | 3.0 | -1.0 | 2.0 | 5.0 | .0 | 1.0 | 2.0 | 10.0 | 4.0 | 12.0 | 24 | 12.0 |
| 10 | 10.0 | 10.0 | 13.0 | 8.0 | 12.0 | 12.0 | 9.0 | 13.0 | 14.0 | 5.0 | 6.0 | 3.0 | 6.0 | 4.0 | 4.0 | 7.0 | 8.0 | 13.0 | 4.0 | 8.0 | 9.0 | 12.0 | 19.0 | 21.0 | 24 | 21.0 |
| 11 | 18.0 | 18.0 | 24.0 | 23.0 | 23.0 | 21.0 | 21.0 | 24.0 | 24.0 | 17.0 | 17.0 | 11.0 | 10.0 | 11.0 | 7.0 | 9.0 | 6.0 | 6.0 | 11.0 | 11.0 | 12.0 | 10.0 | 10.0 | 13.0 | 24 | 24.0 |
| 12 | 15.0 | 12.0 | 11.0 | 13.0 | 11.0 | 6.0 | 12.0 | 7.0 | 7.0 | 10.0 | 15.0 | 12.0 | 8.0 | 9.0 | 21.0 | 11.0 | 3.0 | 8.0 | 1.0 | -2.0 | 3.0 | .0 | 4.0 | 6.0 | 24 | 21.0 |
| 13 | 5.0 | 4.0 | 4.0 | 4.0 | 19.0 | 7.0 | 14.0 | 21.0 | 19.0 | 6.0 | BA | 17.0 | 16.0 | 10.0 | 9.0 | 9.0 | 18.0 | 13.0 | 14.0 | 12.0 | 15.0 | 14.0 | 15.0 | 12.0 | 23 | 21.0 |
| 14 | 11.0 | 7.0 | 13.0 | 16.0 | 12.0 | 10.0 | 5.0 | 3.0 | 8.0 | 1.0 | 3.0 | 9.0 | 9.0 | 10.0 | 16.0 | 7.0 | 7.0 | 11.0 | 6.0 | 14.0 | 10.0 | 15.0 | 12.0 | 18.0 | 24 | 18.0 |
| 15 | 19.0 | 15.0 | 11.0 | 5.0 | 4.0 | 2.0 | 8.0 | 4.0 | 3.0 | 1.0 | 9.0 | 10.0 | -3.0 | 7.0 | 3.0 | .0 | 8.0 | 4.0 | 5.0 | 1.0 | 4.0 | 4.0 | 3.0 | .0 | 24 | 19.0 |
| 16 | 3.0 | 4.0 | 4.0 | 4.0 | -1.0 | 8.0 | 4.0 | 3.0 | 6.0 | 4.0 | 4.0 | 3.0 | 5.0 | 4.0 | 8.0 | 9.0 | 8.0 | 9.0 | 7.0 | 9.0 | 5.0 | 8.0 | 7.0 | 6.0 | 24 | 9.0 |
| 17 | 7.0 | 11.0 | 9.0 | 13.0 | 9.0 | 14.0 | 10.0 | 15.0 | 19.0 | 22.0 | 18.0 | 15.0 | 22.0 | 23.0 | 25.0 | 22.0 | 18.0 | 19.0 | 13.0 | 18.0 | 9.0 | 12.0 | 12.0 | 16.0 | 24 | 25.0 |
| 18 | 12.0 | 15.0 | 13.0 | 18.0 | 13.0 | 14.0 | 11.0 | 11.0 | 12.0 | 7.0 | 9.0 | 16.0 | 8.0 | -3.0 | -3.0 | 5.0 | 3.0 | 5.0 | 10.0 | 3.0 | 2.0 | -2.0 | .0 | -1.0 | 24 | 18.0 |
| 19 | 5.0 | 2.0 | -2.0 | 4.0 | 5.0 | 4.0 | 8.0 | 5.0 | 7.0 | 6.0 | 3.0 | 7.0 | 10.0 | 10.0 | 9.0 | 9.0 | 9.0 | 11.0 | 9.0 | 13.0 | 11.0 | 10.0 | 10.0 | 11.0 | 24 | 13.0 |
| 20 | 13.0 | 12.0 | 9.0 | 12.0 | 11.0 | 12.0 | 8.0 | 11.0 | 10.0 | 9.0 | 8.0 | 7.0 | 8.0 | 12.0 | 9.0 | 7.0 | 16.0 | 18.0 | 6.0 | 6.0 | 12.0 | 12.0 | 17.0 | 22.0 | 24 | 22.0 |
| 21 | 23.0 | 25.0 | 19.0 | 19.0 | 19.0 | 20.0 | 14.0 | 18.0 | 15.0 | 9.0 | 8.0 | 12.0 | 13.0 | 11.0 | 5.0 | 4.0 | 7.0 | 4.0 | 1.0 | 6.0 | 7.0 | 14.0 | 12.0 | 13.0 | 24 | 25.0 |
| 22 | 13.0 | 8.0 | 9.0 | 6.0 | 10.0 | 10.0 | 15.0 | 11.0 | 22.0 | 8.0 | 22.0 | AX | BA | 14.0 | 3.0 | 8.0 | 7.0 | 6.0 | 2.0 | 5.0 | 7.0 | 4.0 | 4.0 | 9.0 | 22 | 22.0 |
| 23 | 8.0 | 13.0 | 12.0 | 19.0 | 15.0 | 17.0 | 14.0 | 11.0 | 6.0 | 10.0 | 9.0 | 8.0 | 13.0 | 7.0 | 9.0 | 12.0 | 8.0 | 14.0 | 9.0 | 9.0 | 10.0 | 15.0 | 12.0 | 21.0 | 24 | 21.0 |
| 24 | 19.0 | 17.0 | 15.0 | 16.0 | 12.0 | 15.0 | 13.0 | 15.0 | 13.0 | 14.0 | 10.0 | 12.0 | 13.0 | 11.0 | 12.0 | 16.0 | 14.0 | 14.0 | 14.0 | 13.0 | 22.0 | 17.0 | 21.0 | 26.0 | 24 | 26.0 |
| 25 | 28.0 | 28.0 | 29.0 | 25.0 | 26.0 | 24.0 | 25.0 | 18.0 | 19.0 | 15.0 | 15.0 | 14.0 | 5.0 | 12.0 | 8.0 | 8.0 | 9.0 | 7.0 | 9.0 | 9.0 | 8.0 | 12.0 | 8.0 | 8.0 | 24 | 29.0 |
| 26 | 11.0 | 13.0 | 8.0 | 9.0 | 12.0 | 7.0 | 7.0 | 8.0 | 11.0 | 14.0 | 11.0 | 14.0 | 11.0 | 10.0 | 12.0 | 12.0 | 12.0 | 12.0 | 16.0 | 16.0 | 14.0 | 15.0 | 19.0 | 19.0 | 24 | 19.0 |
| 27 | 19.0 | 19.0 | 16.0 | 13.0 | 11.0 | 7.0 | 15.0 | 8.0 | 7.0 | 10.0 | 4.0 | 7.0 | 12.0 | 9.0 | 6.0 | 7.0 | 9.0 | 9.0 | 4.0 | 6.0 | 8.0 | -1.0 | -2.0 | 2.0 | 24 | 19.0 |
| 28 | .0 | 4.0 | .0 | 5.0 | 2.0 | 3.0 | .0 | .0 | 4.0 | -3.0 | 2.0 | 1.0 | 5.0 | -3.0 | 2.0 | 2.0 | 4.0 | 6.0 | 6.0 | 10.0 | 5.0 | 18.0 | 13.0 | 12.0 | 24 | 18.0 |
| 29 | 11.0 | 8.0 | 13.0 | 17.0 | 6.0 | 11.0 | 13.0 | 11.0 | 7.0 | 7.0 | 6.0 | 5.0 | 7.0 | 5.0 | .0 | 4.0 | 1.0 | 4.0 | -1.0 | -2.0 | 1.0 | 1.0 | -1.0 | 1.0 | 24 | 17.0 |
| 30 | 3.0 | -4.0 | 4.0 | -1.0 | 11.0 | .0 | .0 | 4.0 | 3.0 | 5.0 | 1.0 | 1.0 | 3.0 | 1.0 | -1.0 | 4.0 | 1.0 | 6.0 | -1.0 | 3.0 | 4.0 | 4.0 | 2.0 | 6.0 | 24 | 11.0 |
| 31 | 10.0 | 11.0 | 13.0 | 5.0 | 9.0 | 15.0 | 15.0 | 14.0 | 12.0 | 10.0 | 12.0 | 5.0 | 9.0 | 9.0 | -1.0 | 5.0 | 5.0 | 4.0 | 5.0 | 5.0 | 5.0 | 3.0 | 10.0 | 7.0 | 24 | 15.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 28.0 | 28.0 | 29.0 | 25.0 | 26.0 | 24.0 | 25.0 | 24.0 | 24.0 | 22.0 | 22.0 | 17.0 | 22.0 | 23.0 | 25.0 | 22.0 | 18.0 | 19.0 | 16.0 | 18.0 | 22.0 | 18.0 | 21.0 | 26.0 | | |
| AVG: | 9.74 | 9.45 | 9.58 | 9.74 | 9.42 | 9.77 | 9.10 | 9.58 | 9.16 | 7.10 | 7.40 | 7.40 | 6.90 | 6.63 | 6.30 | 6.77 | 6.71 | 7.81 | 5.48 | 6.58 | 6.87 | 7.94 | 7.94 | 10.39 | | |

MONTHLY OBSERVATIONS: 739 MONTHLY MEAN: 8.08 MONTHLY MAX: 29.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-051-0009 POC: 1
COUNTY: (051) Cumberland
CITY: (22920) Fayetteville
SITE ADDRESS: 4533 RAEFORD RD
SITE COMMENTS: Elevation via GoogleEarth, Space Shuttle Radar Topography using interferometric sy
MONITOR COMMENTS: ID2=601

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (2560) FAYETTEVILLE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.041416
LONGITUDE: -78.953112
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 63
PROBE HEIGHT: 2.38

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: 2016

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

| Day | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.6 | | 18.7 | | | | | | | | | |
| 2 | | | | | | | | | | | 13.3 IT | 8.8 |
| 3 | | | | | | | | | 5.3 | 10.3 | | |
| 4 | | | | | | | | 6.0 | | | | |
| 5 | | | | | | AN | 9.7 | | | | | |
| 6 | | 5.8 | | 5.2 | 2.6 | | | | | | | |
| 7 | 7.4 | | 9.7 | | | | | | | | | |
| 8 | | | | | | | | | | | 8.3 | 6.8 |
| 9 | | | | | | | | | 13.5 | AS | | |
| 10 | | | | | | | | 8.4 | | | | |
| 11 | | | | | | AV | 8.6 | | | | | |
| 12 | | 7.8 | | 6.7 | 13.1 | | | | | | | |
| 13 | 8.3 | | 7.5 | | | | | | | | | |
| 14 | | | | | | AS | | | | | 7.3 | 6.1 |
| 15 | | | | | | | | | 6.7 | AS | | |
| 16 | | | | | | | | 3.8 | | | | |
| 17 | | | | | | AS | 5.1 TT | | | | | |
| 18 | | 8.0 | | 9.4 | BJ | | | | | | | |
| 19 | 5.5 | | 11.8 | | | | | | | | | |
| 20 | | | | | | | | | | AS | 5.6 | 6.2 |
| 21 | | | | | 3.6 | | | | 2.4 | AS | | |
| 22 | | | | | | | | 6.1 | | | | |
| 23 | | | | | | AS | 10.0 TT | | | | | |
| 24 | | 4.6 | | 6.1 | 7.5 | | | | | | | |
| 25 | 29.1 | | 7.2 | | | | | | | | | |
| 26 | | | | | | | | | | | 8.5 | 7.7 |
| 27 | | | | | | | | | 6.8 | BJ | | |
| 28 | | | | | | | | 8.8 | | 8.3 | | |
| 29 | | | | | | 9.7 | 6.8 | | | | | |
| 30 | | | | 9.1 | 4.8 | | | | | 15.2 | | |
| 31 | 8.8 | | 6.5 | | | | | | | | | |
| NO.: | 6 | 4 | 6 | 5 | 5 | 1 | 5 | 5 | 5 | 3 | 5 | 5 |
| MAX: | 29.1 | 8.0 | 18.7 | 9.4 | 13.1 | 9.7 | 10.0 | 8.8 | 13.5 | 15.2 | 13.3 | 8.8 |
| MEAN: | 10.62 | 6.55 | 10.23 | 7.30 | 6.32 | 9.70 | 8.04 | 6.62 | 6.94 | 11.27 | 8.60 | 7.12 |

ANNUAL OBSERVATIONS: 55 ANNUAL MEAN: 8.17 ANNUAL MAX: 29.1

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-051-0009 POC: 3
COUNTY: (051) Cumberland
CITY: (22920) Fayetteville
SITE ADDRESS: 4533 RAEFORD RD
SITE COMMENTS: Elevation via GoogleEarth, Space Shuttle Radar Topography using interferometric SY
MONITOR COMMENTS: ID2=601

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (2560) FAYETTEVILLE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.041416
LONGITUDE: -78.953112
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 63
PROBE HEIGHT: 2.38

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JANUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.0 | 9.0 | 7.0 | 5.0 | 3.0 | 4.0 | 5.0 | 3.0 | 4.0 | 2.0 | 3.0 | 5.0 | 3.0 | 2.0 | 6.0 | 6.0 | 7.0 | 4.0 | 4.0 | 8.0 | 7.0 | 10.0 | 9.0 | 10.0 | 24 | 10.0 |
| 2 | 12.0 | 7.0 | 6.0 | 8.0 | 7.0 | 5.0 | 6.0 | 6.0 | 4.0 | 5.0 | 6.0 | 9.0 | 6.0 | 7.0 | 3.0 | 6.0 | 5.0 | 10.0 | 7.0 | 9.0 | 12.0 | 17.0 | 20.0 | 24.0 | 24 | 24.0 |
| 3 | 25.0 | 28.0 | 18.0 | 17.0 | 10.0 | 8.0 | 11.0 | 10.0 | 10.0 | 9.0 | 15.0 | 11.0 | 8.0 | 11.0 | 9.0 | 8.0 | 7.0 | 6.0 | 17.0 | 10.0 | 12.0 | 11.0 | 13.0 | 14.0 | 24 | 28.0 |
| 4 | 11.0 | 12.0 | 9.0 | 6.0 | 8.0 | 6.0 | 5.0 | 7.0 | AX | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 8 | 12.0 |
| 5 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 6 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 7 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 8 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 9 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 10 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 11 | DL | DL | | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 12 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 13 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | BA | BA | 6.0 | 4.0 | 5.0 | 2.0 | 2.0 | 6.0 | 6.0 | 15.0 | 22.0 | 20.0 | 10 | 22.0 |
| 14 | 23.0 | 24.0 | 19.0 | 16.0 | 15.0 | 9.0 | 14.0 | 10.0 | 11.0 | 7.0 | 8.0 | 6.0 | 8.0 | 7.0 | 5.0 | 10.0 | 8.0 | 3.0 | 4.0 | 7.0 | 11.0 | 11.0 | 12.0 | 12.0 | 24 | 24.0 |
| 15 | 12.0 | 14.0 | 14.0 | 13.0 | 13.0 | 14.0 | 16.0 | 18.0 | 16.0 | 16.0 | 16.0 | 19.0 | 13.0 | 13.0 | 11.0 | 10.0 | 6.0 | 5.0 | 6.0 | 9.0 | 3.0 | 6.0 | 1.0 | 1.0 | 24 | 19.0 |
| 16 | 2.0 | 4.0 | 7.0 | 8.0 | 6.0 | 5.0 | 5.0 | 5.0 | 5.0 | 1.0 | 11.0 | 8.0 | 5.0 | 7.0 | 2.0 | 10.0 | 5.0 | 6.0 | 6.0 | 8.0 | 12.0 | 27.0 | 23.0 | 25.0 | 24 | 27.0 |
| 17 | 10.0 | 4.0 | 7.0 | 4.0 | 1.0 | 2.0 | 3.0 | 3.0 | 3.0 | 6.0 | 2.0 | 2.0 | 4.0 | 1.0 | 2.0 | 4.0 | 3.0 | 3.0 | 2.0 | 4.0 | 8.0 | 15.0 | 15.0 | 13.0 | 24 | 15.0 |
| 18 | 10.0 | 7.0 | 7.0 | 8.0 | 5.0 | 7.0 | 7.0 | 6.0 | 9.0 | 3.0 | 9.0 | 9.0 | 4.0 | 4.0 | 5.0 | 5.0 | 4.0 | 3.0 | 5.0 | 1.0 | 3.0 | 3.0 | 6.0 | 7.0 | 24 | 10.0 |
| 19 | 3.0 | 4.0 | 3.0 | 2.0 | 2.0 | .0 | 2.0 | 4.0 | 4.0 | 2.0 | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 6.0 | 6.0 | 6.0 | 5.0 | 10.0 | 5.0 | 10.0 | 17.0 | 24 | 17.0 |
| 20 | 14.0 | 18.0 | 12.0 | 9.0 | 2.0 | 6.0 | 6.0 | 5.0 | 2.0 | 3.0 | 10.0 | 4.0 | 7.0 | AX | AX | -4.0 | -3.0 | 13.0 | 8.0 | 8.0 | 10.0 | 16.0 | 18.0 | 18.0 | 22 | 18.0 |
| 21 | 18.0 | 23.0 | 24.0 | 20.0 | 19.0 | 16.0 | 15.0 | 18.0 | 20.0 | 13.0 | 14.0 | 7.0 | 7.0 | 5.0 | 8.0 | 5.0 | 6.0 | 6.0 | 8.0 | .0 | 8.0 | 10.0 | 14.0 | 13.0 | 24 | 24.0 |
| 22 | 14.0 | 8.0 | 12.0 | 13.0 | 12.0 | 9.0 | 11.0 | 10.0 | 13.0 | 15.0 | 13.0 | 15.0 | 15.0 | 13.0 | 11.0 | 7.0 | 5.0 | 3.0 | 6.0 | 5.0 | 7.0 | 6.0 | 4.0 | 1.0 | 24 | 15.0 |
| 23 | .0 | 3.0 | 2.0 | 5.0 | 2.0 | 4.0 | 3.0 | .0 | 2.0 | 4.0 | 4.0 | 7.0 | 3.0 | 4.0 | 6.0 | 4.0 | 7.0 | 4.0 | 4.0 | 7.0 | 7.0 | 8.0 | 6.0 | 3.0 | 24 | 8.0 |
| 24 | 4.0 | 5.0 | 7.0 | 3.0 | 6.0 | 5.0 | 5.0 | 7.0 | 7.0 | 9.0 | 5.0 | 7.0 | 4.0 | 3.0 | 2.0 | 4.0 | -2.0 | 7.0 | 9.0 | 4.0 | 9.0 | 9.0 | 15.0 | 25.0 | 24 | 25.0 |
| 25 | 33.0 | 37.0 | 34.0 | 31.0 | 28.0 | 26.0 | 25.0 | 21.0 | 19.0 | 14.0 | 15.0 | 13.0 | 7.0 | 7.0 | 7.0 | 5.0 | 6.0 | 4.0 | 7.0 | 9.0 | 14.0 | 10.0 | 8.0 | 5.0 | 24 | 37.0 |
| 26 | 10.0 | 11.0 | 2.0 | 9.0 | 7.0 | 11.0 | 12.0 | 11.0 | 12.0 | 11.0 | 16.0 | 16.0 | 12.0 | 18.0 | 12.0 | 8.0 | 9.0 | 6.0 | 10.0 | 12.0 | 14.0 | 20.0 | 23.0 | 21.0 | 24 | 23.0 |
| 27 | 15.0 | 22.0 | 18.0 | 17.0 | 16.0 | 16.0 | 18.0 | 14.0 | 17.0 | 20.0 | 19.0 | AX | AX | AX | 5.0 | 9.0 | 4.0 | 3.0 | 8.0 | 7.0 | 10.0 | 19.0 | 11.0 | 13.0 | 21 | 22.0 |
| 28 | 11.0 | 6.0 | 7.0 | 8.0 | 9.0 | 5.0 | 8.0 | 6.0 | 5.0 | 8.0 | 8.0 | 10.0 | 6.0 | 7.0 | 10.0 | 5.0 | 7.0 | 8.0 | 8.0 | 12.0 | 11.0 | 11.0 | 8.0 | 8.0 | 24 | 12.0 |
| 29 | 7.0 | 12.0 | 14.0 | 9.0 | 14.0 | 20.0 | 17.0 | 15.0 | 14.0 | 14.0 | 13.0 | 12.0 | 10.0 | 6.0 | 5.0 | 4.0 | 6.0 | 3.0 | 8.0 | 6.0 | 5.0 | 5.0 | 3.0 | 6.0 | 24 | 20.0 |
| 30 | 3.0 | 3.0 | 4.0 | 4.0 | 6.0 | 7.0 | 9.0 | 5.0 | 7.0 | 5.0 | 9.0 | 7.0 | 6.0 | 2.0 | 3.0 | 2.0 | 7.0 | 1.0 | 6.0 | 3.0 | 12.0 | 10.0 | 14.0 | 18.0 | 24 | 18.0 |
| 31 | 12.0 | 11.0 | 8.0 | 10.0 | 13.0 | 11.0 | 11.0 | 10.0 | 7.0 | 11.0 | 11.0 | 19.0 | 17.0 | 9.0 | 9.0 | 4.0 | 5.0 | 6.0 | 6.0 | 5.0 | 2.0 | 9.0 | 6.0 | 7.0 | 24 | 19.0 |
| NO.: | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 21 | 21 | 21 | 20 | 20 | 19 | 21 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | | |
| MAX: | 33.0 | 37.0 | 34.0 | 31.0 | 28.0 | 26.0 | 25.0 | 21.0 | 20.0 | 20.0 | 19.0 | 19.0 | 17.0 | 18.0 | 12.0 | 10.0 | 9.0 | 13.0 | 17.0 | 12.0 | 14.0 | 27.0 | 23.0 | 25.0 | | |
| AVG: | 11.59 | 12.36 | 10.95 | 10.23 | 9.27 | 8.91 | 9.73 | 8.82 | 9.10 | 8.48 | 10.14 | 9.55 | 7.50 | 6.89 | 6.24 | 5.45 | 5.14 | 5.09 | 6.68 | 6.59 | 8.77 | 11.50 | 11.86 | 12.77 | | |

MONTHLY OBSERVATIONS: 517 MONTHLY MEAN: 8.92 MONTHLY MAX: 37.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-051-0009 POC: 3
COUNTY: (051) Cumberland
CITY: (22920) Fayetteville
SITE ADDRESS: 4533 RAEFORD RD
SITE COMMENTS: Elevation via GoogleEarth, Space Shuttle Radar Topography using interferometric sy
MONITOR COMMENTS: ID2=601

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (2560) FAYETTEVILLE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.041416
LONGITUDE: -78.953112
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 63
PROBE HEIGHT: 2.38

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: FEBRUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.0 | 7.0 | 8.0 | 10.0 | 10.0 | 11.0 | 11.0 | 9.0 | 12.0 | 13.0 | 12.0 | 17.0 | 14.0 | 12.0 | 7.0 | 9.0 | 9.0 | 7.0 | 8.0 | 6.0 | 12.0 | 12.0 | 11.0 | 13.0 | 24 | 17.0 |
| 2 | 11.0 | 12.0 | 13.0 | 13.0 | 12.0 | 13.0 | 15.0 | 12.0 | 7.0 | 9.0 | BA | -1.0 | 6.0 | 6.0 | 9.0 | 10.0 | 9.0 | 9.0 | 9.0 | 11.0 | 9.0 | 6.0 | 10.0 | 7.0 | 23 | 15.0 |
| 3 | 8.0 | 6.0 | 7.0 | 2.0 | 5.0 | 8.0 | 6.0 | 5.0 | 6.0 | 1.0 | 12.0 | 7.0 | 9.0 | 8.0 | 1.0 | 5.0 | 8.0 | 10.0 | -3.0 | 1.0 | -1.0 | 3.0 | .0 | 1.0 | 24 | 12.0 |
| 4 | -4.0 | 1.0 | 1.0 | 1.0 | 3.0 | .0 | 2.0 | 1.0 | 7.0 | 1.0 | 2.0 | .0 | 2.0 | 1.0 | 3.0 | 6.0 | 3.0 | 4.0 | 2.0 | 7.0 | 5.0 | 4.0 | 5.0 | 3.0 | 24 | 7.0 |
| 5 | .0 | 4.0 | -2.0 | 4.0 | 7.0 | 7.0 | -1.0 | -1.0 | 3.0 | 6.0 | 4.0 | 4.0 | 4.0 | 5.0 | 3.0 | 5.0 | 3.0 | 5.0 | 4.0 | .0 | 6.0 | 6.0 | 7.0 | 7.0 | 24 | 7.0 |
| 6 | 12.0 | 9.0 | 10.0 | 14.0 | 10.0 | 5.0 | 7.0 | 9.0 | 5.0 | 12.0 | 12.0 | 10.0 | 3.0 | 5.0 | 4.0 | 1.0 | 3.0 | 6.0 | -1.0 | 3.0 | 4.0 | 4.0 | 7.0 | 8.0 | 24 | 14.0 |
| 7 | 8.0 | 1.0 | 8.0 | 4.0 | 6.0 | .0 | 6.0 | 7.0 | 5.0 | 7.0 | 3.0 | 4.0 | 2.0 | 8.0 | 5.0 | 10.0 | 3.0 | 4.0 | 4.0 | 5.0 | 4.0 | 5.0 | .0 | -2.0 | 24 | 10.0 |
| 8 | 5.0 | 6.0 | 7.0 | 3.0 | 6.0 | 8.0 | 6.0 | 7.0 | 3.0 | 10.0 | 10.0 | 6.0 | 8.0 | 7.0 | 4.0 | 8.0 | 2.0 | 12.0 | 11.0 | 4.0 | 2.0 | 3.0 | 5.0 | 9.0 | 24 | 12.0 |
| 9 | 10.0 | 12.0 | 9.0 | 8.0 | 11.0 | 11.0 | 5.0 | 3.0 | 5.0 | 5.0 | .0 | 7.0 | 4.0 | 5.0 | 5.0 | .0 | 2.0 | 3.0 | 4.0 | -2.0 | 4.0 | 3.0 | 3.0 | 1.0 | 24 | 12.0 |
| 10 | 3.0 | 3.0 | 11.0 | 4.0 | 4.0 | 4.0 | 6.0 | 5.0 | 2.0 | 8.0 | 5.0 | 8.0 | AV | AV | 11.0 | 6.0 | 7.0 | 5.0 | 10.0 | 6.0 | 7.0 | 11.0 | 11.0 | 8.0 | 22 | 11.0 |
| 11 | 10.0 | 12.0 | 11.0 | 7.0 | 8.0 | 16.0 | 9.0 | 11.0 | 3.0 | 13.0 | 7.0 | 5.0 | AZ | AZ | 8.0 | 6.0 | 8.0 | 9.0 | 11.0 | 14.0 | 17.0 | 22.0 | 21.0 | 20.0 | 22 | 22.0 |
| 12 | 14.0 | 8.0 | 10.0 | 5.0 | 1.0 | 3.0 | 4.0 | 7.0 | 5.0 | 7.0 | 7.0 | 5.0 | 6.0 | 6.0 | 8.0 | 8.0 | 11.0 | 10.0 | 7.0 | 12.0 | 14.0 | 13.0 | 16.0 | 15.0 | 24 | 16.0 |
| 13 | 20.0 | 24.0 | 29.0 | 30.0 | 27.0 | 25.0 | 14.0 | 7.0 | 1.0 | 2.0 | 5.0 | 9.0 | 7.0 | 8.0 | 6.0 | 4.0 | 5.0 | 5.0 | 10.0 | 2.0 | 7.0 | 4.0 | 3.0 | 5.0 | 24 | 30.0 |
| 14 | 5.0 | 1.0 | 3.0 | 3.0 | .0 | 4.0 | .0 | 4.0 | 1.0 | 2.0 | 1.0 | 6.0 | 3.0 | 7.0 | .0 | 7.0 | 1.0 | 3.0 | 6.0 | 4.0 | 4.0 | 4.0 | 7.0 | 4.0 | 24 | 7.0 |
| 15 | 7.0 | 5.0 | 5.0 | 4.0 | 6.0 | 4.0 | 4.0 | 5.0 | 4.0 | 2.0 | 5.0 | 10.0 | 8.0 | 9.0 | 9.0 | 9.0 | 13.0 | 15.0 | 10.0 | 9.0 | 13.0 | 13.0 | 12.0 | 14.0 | 24 | 15.0 |
| 16 | 13.0 | 11.0 | 5.0 | 8.0 | 7.0 | .0 | 6.0 | -3.0 | 2.0 | .0 | 3.0 | -4.0 | 3.0 | .0 | 2.0 | 3.0 | 2.0 | 3.0 | 3.0 | 1.0 | 1.0 | 6.0 | 6.0 | 5.0 | 24 | 13.0 |
| 17 | 8.0 | 4.0 | 6.0 | 11.0 | 6.0 | 8.0 | 5.0 | 5.0 | 3.0 | 6.0 | 9.0 | 6.0 | 7.0 | 4.0 | 4.0 | 7.0 | -1.0 | 3.0 | 6.0 | 1.0 | 5.0 | 7.0 | 8.0 | 6.0 | 24 | 11.0 |
| 18 | 2.0 | 5.0 | 4.0 | 3.0 | 4.0 | 7.0 | 5.0 | 5.0 | 2.0 | 7.0 | BA | BA | BA | BA | BA | 9.0 | 11.0 | 13.0 | 11.0 | 5.0 | 8.0 | 9.0 | 7.0 | 9.0 | 19 | 13.0 |
| 19 | 8.0 | 7.0 | 7.0 | 11.0 | 12.0 | 12.0 | 10.0 | 10.0 | 5.0 | 7.0 | 6.0 | 8.0 | 6.0 | 10.0 | 7.0 | 6.0 | 4.0 | 5.0 | 9.0 | 9.0 | 7.0 | 9.0 | 7.0 | 4.0 | 24 | 12.0 |
| 20 | 5.0 | 5.0 | 7.0 | 6.0 | 5.0 | 10.0 | 5.0 | 8.0 | 7.0 | 5.0 | 8.0 | 11.0 | 15.0 | 13.0 | 13.0 | 20.0 | 23.0 | 20.0 | 21.0 | 19.0 | 24.0 | 32.0 | 29.0 | 28.0 | 24 | 32.0 |
| 21 | 27.0 | 29.0 | 29.0 | 28.0 | 26.0 | 21.0 | 20.0 | 14.0 | 12.0 | 18.0 | 18.0 | 17.0 | 16.0 | 17.0 | 13.0 | 16.0 | 16.0 | 10.0 | 14.0 | 17.0 | 13.0 | 22.0 | 22.0 | 28.0 | 24 | 29.0 |
| 22 | 23.0 | 21.0 | 20.0 | 18.0 | 17.0 | 15.0 | 13.0 | 15.0 | 12.0 | 17.0 | 23.0 | 15.0 | 11.0 | -4.0 | 13.0 | 12.0 | 13.0 | 17.0 | 16.0 | 17.0 | 10.0 | 9.0 | 9.0 | 5.0 | 24 | 23.0 |
| 23 | 6.0 | 11.0 | 7.0 | 6.0 | 7.0 | 5.0 | 7.0 | 9.0 | 5.0 | 6.0 | 3.0 | 3.0 | 1.0 | .0 | 2.0 | 1.0 | 3.0 | 6.0 | 9.0 | 9.0 | 10.0 | 4.0 | 5.0 | 4.0 | 24 | 11.0 |
| 24 | 3.0 | 3.0 | 5.0 | 4.0 | 2.0 | 4.0 | 5.0 | .0 | 4.0 | 5.0 | 5.0 | 2.0 | BA | BA | BA | 11.0 | 9.0 | 14.0 | 3.0 | 5.0 | 5.0 | 5.0 | 2.0 | .0 | 21 | 14.0 |
| 25 | 3.0 | -2.0 | 1.0 | 2.0 | -1.0 | .0 | 1.0 | 3.0 | -1.0 | AX | AX | 7.0 | .0 | .0 | 4.0 | 1.0 | .0 | 1.0 | 7.0 | 3.0 | 2.0 | 4.0 | 1.0 | 2.0 | 22 | 7.0 |
| 26 | 3.0 | 3.0 | 4.0 | 2.0 | 4.0 | 5.0 | 5.0 | 5.0 | 1.5 | 3.9 | 5.4 | 7.4 | 3.3 | 7.3 | 6.4 | 2.2 | 6.1 | 6.2 | 6.8 | -.1 | 3.2 | 3.3 | 4.6 | 1.9 | 24 | 7.4 |
| 27 | 4.7 | 4.2 | 2.2 | 4.9 | 3.2 | 1.3 | 2.4 | 2.1 | .1 | 6.0 | 4.8 | 3.3 | 7.3 | 7.4 | 8.2 | 10.0 | 10.6 | 11.3 | 15.4 | 9.1 | 8.6 | 17.9 | 24.3 | 23.1 | 24 | 24.3 |
| 28 | 23.6 | 22.9 | 20.1 | 18.8 | 16.1 | 17.2 | 15.0 | 16.7 | 11.4 | 17.8 | 13.7 | 16.4 | 9.6 | 10.2 | 5.7 | 6.9 | 6.6 | 7.8 | 6.5 | 7.3 | 5.3 | 5.8 | 5.5 | 6.7 | 24 | 23.6 |
| 29 | 15.6 | 13.8 | 15.4 | 15.2 | 16.3 | 13.1 | 14.6 | 16.8 | 13.4 | 17.9 | 19.1 | 15.5 | 14.4 | 12.4 | 8.5 | 8.4 | 8.4 | 6.1 | 10.5 | 8.5 | 6.9 | 13.6 | 10.9 | 20.7 | 24 | 20.7 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 28 | 26 | 28 | 25 | 25 | 27 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | | |
| MAX: | 27.0 | 29.0 | 29.0 | 30.0 | 27.0 | 25.0 | 20.0 | 16.8 | 13.4 | 18.0 | 23.0 | 17.0 | 16.0 | 17.0 | 13.0 | 20.0 | 23.0 | 20.0 | 21.0 | 19.0 | 24.0 | 32.0 | 29.0 | 28.0 | | |
| AVG: | 9.07 | 8.58 | 9.06 | 8.62 | 8.30 | 8.19 | 7.17 | 6.81 | 5.05 | 7.66 | 7.81 | 7.31 | 6.78 | 6.57 | 6.29 | 7.16 | 6.85 | 7.94 | 7.94 | 6.65 | 7.45 | 8.99 | 8.94 | 8.84 | | |

MONTHLY OBSERVATIONS: 681 MONTHLY MEAN: 7.68 MONTHLY MAX: 32.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-051-0009 POC: 3
COUNTY: (051) Cumberland
CITY: (22920) Fayetteville
SITE ADDRESS: 4533 RAEFORD RD
SITE COMMENTS: Elevation via GoogleEarth, Space Shuttle Radar Topography using interferometric sy
MONITOR COMMENTS: ID2=601

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (2560) FAYETTEVILLE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.041416
LONGITUDE: -78.953112
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 63
PROBE HEIGHT: 2.38

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MARCH 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 24.6 | 23.6 | 22.7 | 27.4 | 22.2 | 23.1 | 17.6 | 17.5 | 12.5 | 26.5 | 26.5 | 23.3 | 22.5 | 20.9 | 15.0 | 9.0 | 16.0 | 15.0 | 13.0 | 13.0 | 15.0 | 22.0 | 28.0 | 25.0 | 24 | 28.0 |
| 2 | 16.0 | 20.0 | 21.0 | 13.0 | 14.0 | 15.0 | 6.0 | 5.0 | -2.0 | 5.0 | 1.0 | 3.0 | BK | BK | BK | 4.0 | 3.0 | 2.0 | 4.0 | .0 | 3.0 | 3.0 | 4.0 | 5.0 | 21 | 21.0 |
| 3 | 4.0 | 6.0 | 3.0 | 1.0 | 4.0 | 5.0 | 5.0 | 5.0 | 1.0 | 7.0 | 3.0 | 7.0 | 5.0 | 6.0 | BA | BA | 3.0 | 4.0 | 6.0 | 9.0 | 10.0 | 5.0 | 7.0 | 8.0 | 22 | 10.0 |
| 4 | 7.0 | 6.0 | 5.0 | 6.0 | 7.0 | 5.0 | 5.0 | 4.0 | 4.0 | 7.0 | 6.0 | 8.0 | 11.0 | 9.0 | 9.0 | 11.0 | 8.0 | 7.0 | 5.0 | 6.0 | 3.0 | 7.0 | 9.0 | 11.0 | 24 | 11.0 |
| 5 | 13.0 | 11.0 | 12.0 | 13.0 | 11.0 | 12.0 | 14.0 | 12.0 | 9.0 | 17.0 | 12.0 | 12.0 | 16.0 | 10.0 | 8.0 | 6.0 | 14.0 | 10.0 | 16.0 | 12.0 | 14.0 | 24.0 | 23.0 | 16.0 | 24 | 24.0 |
| 6 | 20.0 | 18.0 | 18.0 | 15.0 | 15.0 | 22.0 | 14.0 | 15.0 | 15.0 | 14.0 | 19.0 | 13.0 | 8.0 | 4.0 | 10.0 | 7.0 | 7.0 | 6.0 | 3.0 | 3.0 | 4.0 | 11.0 | 11.0 | 13.0 | 24 | 22.0 |
| 7 | 12.0 | 11.0 | 14.0 | 11.0 | 12.0 | 12.0 | 14.0 | 12.0 | 12.0 | 12.0 | 15.0 | 12.0 | 7.0 | 8.0 | 8.0 | 10.0 | 6.0 | 6.0 | 7.0 | 7.0 | 14.0 | 12.0 | 16.0 | 14.0 | 24 | 16.0 |
| 8 | 13.0 | 11.0 | 10.0 | 9.0 | 14.0 | 14.0 | 12.0 | 12.0 | 11.0 | 14.0 | 12.0 | 9.0 | 6.0 | 13.0 | 11.0 | 10.0 | 10.0 | 10.0 | 8.0 | 20.0 | 22.0 | 26.0 | 25.0 | 17.0 | 24 | 26.0 |
| 9 | 18.0 | 13.0 | 16.0 | 10.0 | 7.0 | 10.0 | 3.0 | 9.0 | 10.0 | 13.0 | 10.0 | AX | AX | 12.0 | 4.0 | 5.0 | 3.0 | 5.0 | 8.0 | 8.0 | 7.0 | 14.0 | 14.0 | 8.0 | 22 | 18.0 |
| 10 | 5.0 | 4.0 | 5.0 | 7.0 | 6.0 | 5.0 | 7.0 | 5.0 | 5.0 | 7.0 | 7.0 | 9.0 | 11.0 | 11.0 | 10.0 | 11.0 | 7.0 | 11.0 | 8.0 | 8.0 | 13.0 | 11.0 | 8.0 | 7.0 | 24 | 13.0 |
| 11 | 6.0 | 7.0 | 5.0 | 7.0 | 8.0 | 6.0 | 7.0 | 7.0 | 4.0 | 11.0 | 11.0 | 15.0 | 9.0 | 9.0 | 15.0 | 9.0 | 21.0 | 12.0 | 11.0 | 10.0 | 8.0 | 14.0 | 12.0 | 13.0 | 24 | 21.0 |
| 12 | 17.0 | 17.0 | 17.0 | 15.0 | 16.0 | 14.0 | 14.0 | 11.0 | 7.0 | 11.0 | 13.0 | 11.0 | 13.0 | 18.0 | 10.0 | 16.0 | 7.0 | 9.0 | 7.0 | 9.0 | 10.0 | 5.0 | 9.0 | 6.0 | 24 | 18.0 |
| 13 | 5.0 | 7.0 | 9.0 | 7.0 | 5.0 | 3.0 | 4.0 | 4.0 | 4.0 | 9.0 | 7.0 | 10.0 | 13.0 | 9.0 | 12.0 | 14.0 | 10.0 | 11.0 | 12.0 | 6.0 | .0 | 7.0 | 4.0 | 6.0 | 24 | 14.0 |
| 14 | 8.0 | 8.0 | 10.0 | 9.0 | 14.0 | 7.0 | 7.0 | 7.0 | 9.0 | 13.0 | 12.0 | 11.0 | 13.0 | 13.0 | 12.0 | 14.0 | 11.0 | 10.0 | 8.0 | 4.0 | 6.0 | 10.0 | 8.0 | 7.0 | 24 | 14.0 |
| 15 | 11.0 | .0 | -1.0 | 7.0 | 4.0 | 6.0 | 6.0 | 4.0 | 5.0 | 11.0 | 9.0 | 5.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 1.0 | 3.0 | 2.0 | 4.0 | 7.0 | 15.0 | 19.0 | 24 | 19.0 |
| 16 | 18.0 | 12.0 | 15.0 | 13.0 | 13.0 | 16.0 | 18.0 | 16.0 | 20.0 | 25.0 | 19.0 | 20.0 | 20.0 | 17.0 | 19.0 | 16.0 | 18.0 | 33.0 | 24.0 | 22.0 | 23.0 | 21.0 | 27.0 | 28.0 | 24 | 33.0 |
| 17 | 17.0 | 7.0 | 6.0 | 7.0 | 9.0 | 7.0 | 9.0 | 9.0 | 12.0 | 7.0 | 6.0 | 4.0 | 7.0 | 7.0 | 9.0 | 7.0 | 6.0 | 5.0 | 4.0 | 3.0 | 3.0 | 6.0 | 13.0 | 18.0 | 24 | 18.0 |
| 18 | 19.0 | 17.0 | 17.0 | 14.0 | 7.0 | 6.0 | 6.0 | 4.0 | 3.0 | 8.0 | 6.0 | 7.0 | 7.0 | 2.0 | 11.0 | 14.0 | 14.0 | 22.0 | 22.0 | 12.0 | 16.0 | 17.0 | 15.0 | 11.0 | 24 | 22.0 |
| 19 | 15.0 | 17.0 | 13.0 | 15.0 | 16.0 | 15.0 | 15.0 | 17.0 | 15.0 | 14.0 | 15.0 | 10.0 | 16.0 | 15.0 | 17.0 | 17.0 | 14.0 | 17.0 | 7.0 | 6.0 | 5.0 | 8.0 | 10.0 | 8.0 | 24 | 17.0 |
| 20 | 9.0 | 3.0 | 6.0 | 3.0 | 5.0 | .0 | 1.0 | .0 | 2.0 | 3.0 | 2.0 | 2.0 | 6.0 | 5.0 | 8.0 | 9.0 | 9.0 | 12.0 | 10.0 | 8.0 | 8.0 | 6.0 | 9.0 | 4.0 | 24 | 12.0 |
| 21 | 4.0 | 6.0 | 8.0 | 10.0 | 12.0 | 11.0 | 8.0 | 5.0 | 7.0 | 11.0 | 6.0 | 6.0 | 8.0 | 8.0 | 6.0 | 5.0 | 8.0 | 7.0 | 4.0 | 5.0 | 4.0 | 6.0 | 7.0 | 8.0 | 24 | 12.0 |
| 22 | 10.0 | 10.0 | 10.0 | 11.0 | 12.0 | 16.0 | 17.0 | 10.0 | 12.0 | 13.0 | 10.0 | 8.0 | 6.0 | 7.0 | 5.0 | 7.0 | 8.0 | 9.0 | 11.0 | 8.0 | 10.0 | 11.0 | 8.0 | 7.0 | 24 | 17.0 |
| 23 | 10.0 | 14.0 | 16.0 | 13.0 | 16.0 | 14.0 | 15.0 | 12.0 | 14.0 | 21.0 | 22.0 | AX | AX | 14.0 | 12.0 | 13.0 | 12.0 | 10.0 | 15.0 | 17.0 | 16.0 | 22.0 | 18.0 | 18.0 | 22 | 22.0 |
| 24 | 13.0 | 10.0 | 12.0 | 7.0 | 8.0 | 8.0 | 11.0 | 10.0 | 14.0 | 12.0 | 11.0 | 11.0 | 14.0 | 10.0 | 11.0 | 9.0 | 8.0 | 7.0 | 7.0 | 3.0 | 7.0 | 3.0 | 7.0 | 4.0 | 24 | 14.0 |
| 25 | 5.0 | 7.0 | 9.0 | 8.0 | 9.0 | 7.0 | 6.0 | 1.0 | 6.0 | 12.0 | 9.0 | 8.0 | 8.0 | 8.0 | 5.0 | 11.0 | 5.0 | 7.0 | 3.0 | 8.0 | 8.0 | 10.0 | 8.0 | 6.0 | 24 | 12.0 |
| 26 | 9.0 | 9.0 | 5.0 | 9.0 | 11.0 | 12.0 | 11.0 | 13.0 | 10.0 | 11.0 | 13.0 | 13.0 | 15.0 | 20.0 | 16.0 | 19.0 | 18.0 | 19.0 | 21.0 | 20.0 | 13.0 | 18.0 | 16.0 | 17.0 | 24 | 21.0 |
| 27 | 17.0 | 19.0 | 16.0 | 12.0 | 14.0 | 12.0 | 13.0 | 11.0 | 10.0 | 11.0 | 11.0 | 17.0 | 16.0 | 9.0 | 11.0 | 13.0 | 4.0 | 1.0 | 5.0 | 3.0 | 2.0 | 5.0 | 2.0 | 3.0 | 24 | 19.0 |
| 28 | 3.0 | 4.0 | 1.0 | 4.0 | 3.0 | 4.0 | 1.0 | 4.0 | .0 | 1.0 | 3.0 | 2.0 | 7.0 | 6.0 | 5.0 | 5.0 | 5.0 | 6.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 24 | 7.0 |
| 29 | 3.0 | 2.0 | 1.0 | 5.0 | 6.0 | 5.0 | 6.0 | 1.0 | 5.0 | 6.0 | 4.0 | 8.0 | 8.0 | 6.0 | 4.0 | 5.0 | 2.0 | 5.0 | 10.0 | 1.0 | 7.0 | 5.0 | 7.0 | 7.0 | 24 | 10.0 |
| 30 | 9.0 | 10.0 | 11.0 | 12.0 | 11.0 | 11.0 | 13.0 | 7.0 | 11.0 | 7.0 | 9.0 | 9.0 | 8.0 | 5.0 | 9.0 | 9.0 | 5.0 | 5.0 | 5.0 | 6.0 | 7.0 | 7.0 | 6.0 | 5.0 | 24 | 13.0 |
| 31 | 7.0 | 8.0 | 6.0 | 5.0 | 6.0 | 11.0 | 8.0 | 2.0 | 11.0 | 9.0 | 10.0 | 6.0 | 7.0 | 6.0 | 14.0 | 8.0 | 5.0 | 8.0 | 6.0 | 6.0 | 4.0 | 6.0 | 5.0 | 3.0 | 24 | 14.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 28 | 30 | 29 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 24.6 | 23.6 | 22.7 | 27.4 | 22.2 | 23.1 | 18.0 | 17.5 | 20.0 | 26.5 | 26.5 | 23.3 | 22.5 | 20.9 | 19.0 | 19.0 | 21.0 | 33.0 | 24.0 | 22.0 | 23.0 | 26.0 | 28.0 | 28.0 | | |
| AVG: | 11.21 | 10.25 | 10.28 | 9.85 | 10.23 | 10.13 | 9.47 | 8.11 | 8.34 | 11.24 | 10.31 | 9.63 | 10.38 | 9.73 | 10.00 | 9.90 | 8.74 | 9.42 | 8.87 | 7.97 | 8.68 | 10.71 | 11.39 | 10.45 | | |

MONTHLY OBSERVATIONS: 735 MONTHLY MEAN: 9.80 MONTHLY MAX: 33.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-051-0009 POC: 3
COUNTY: (051) Cumberland
CITY: (22920) Fayetteville
SITE ADDRESS: 4533 RAEFORD RD
SITE COMMENTS: Elevation via GoogleEarth, Space Shuttle Radar Topography using interferometric sy
MONITOR COMMENTS: ID2=601

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (2560) FAYETTEVILLE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.041416
LONGITUDE: -78.953112
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 63
PROBE HEIGHT: 2.38

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: APRIL 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.0 | 7.0 | 3.0 | 4.0 | 6.0 | 8.0 | 11.0 | 5.0 | 1.0 | 3.0 | .0 | .0 | .0 | 10.0 | 3.0 | 3.0 | 4.0 | 3.0 | 6.0 | 4.0 | 5.0 | .0 | 4.0 | 3.0 | 24 | 11.0 |
| 2 | 4.0 | 3.0 | 4.0 | 2.0 | 2.0 | 1.0 | 5.0 | 4.0 | 4.0 | 5.0 | 2.0 | 3.0 | -3.0 | 2.0 | 7.0 | 5.0 | 8.0 | 4.0 | 2.0 | 2.0 | 1.0 | 1.0 | 3.0 | 4.0 | 24 | 8.0 |
| 3 | 3.0 | 3.0 | 6.0 | 5.0 | 2.0 | 1.0 | 3.0 | -1.0 | 9.0 | 3.0 | 5.0 | 1.0 | 1.0 | 3.0 | 2.0 | 8.0 | 6.0 | -1.0 | 3.0 | 4.0 | -1.0 | 2.0 | 7.0 | 11.0 | 24 | 11.0 |
| 4 | 10.0 | 11.0 | 6.0 | 11.0 | 6.0 | 4.0 | 2.0 | -1.0 | 9.0 | 12.0 | 9.0 | 7.0 | 6.0 | 5.0 | 4.0 | 4.0 | 9.0 | 2.0 | 7.0 | 5.0 | 5.0 | 8.0 | 5.0 | 7.0 | 24 | 12.0 |
| 5 | 7.0 | 8.0 | 10.0 | 7.0 | 10.0 | 15.0 | 10.0 | 5.0 | 8.0 | 8.0 | 5.0 | 5.0 | -1.0 | 2.0 | 4.0 | 4.0 | 3.0 | 3.0 | 1.0 | 5.0 | 3.0 | 5.0 | 8.0 | 4.0 | 24 | 15.0 |
| 6 | 4.0 | 8.0 | 4.0 | 5.0 | 9.0 | 8.0 | 6.0 | -2.0 | 8.0 | 9.0 | 6.0 | 3.0 | AX | BA | BA | 31.0 | 8.0 | 5.0 | 7.0 | 7.0 | 8.0 | 9.0 | 5.0 | 6.0 | 21 | 31.0 |
| 7 | 3.0 | 3.0 | 7.0 | 5.0 | 5.0 | 3.0 | 7.0 | 3.0 | 5.0 | -1.0 | 7.0 | 4.0 | 4.0 | 3.0 | 12.0 | 5.0 | 6.0 | .0 | 1.0 | 3.0 | 4.0 | 2.0 | 5.0 | 4.0 | 24 | 12.0 |
| 8 | 5.0 | 9.0 | 3.0 | -1.0 | 4.0 | 6.0 | .0 | 2.0 | 1.0 | 8.0 | 18.0 | 12.0 | 16.0 | 4.0 | 6.0 | 4.0 | 3.0 | 4.0 | 6.0 | 9.0 | -1.0 | 6.0 | 9.0 | 38.0 | 24 | 38.0 |
| 9 | 23.0 | 4.0 | 8.0 | 2.0 | 6.0 | 3.0 | 9.0 | 1.0 | 3.0 | 5.0 | 5.0 | 2.0 | 4.0 | 13.0 | 9.0 | 17.0 | 3.0 | 3.0 | 4.0 | .0 | 3.0 | 3.0 | 2.0 | 5.0 | 24 | 23.0 |
| 10 | 7.0 | 4.0 | 2.0 | 4.0 | 4.0 | 1.0 | 3.0 | -2.0 | 6.0 | 9.0 | 4.0 | 4.0 | 2.0 | 2.0 | 5.0 | 7.0 | 6.0 | 14.0 | 3.0 | 7.0 | 7.0 | 6.0 | 4.0 | 3.0 | 24 | 14.0 |
| 11 | 4.0 | 7.0 | 5.0 | 6.0 | 5.0 | 6.0 | 8.0 | AX | BA | BA | -4.0 | 15.0 | 5.0 | 9.0 | 8.0 | 8.0 | 11.0 | 8.0 | 9.0 | 3.0 | 2.0 | 4.0 | 3.0 | 7.0 | 21 | 15.0 |
| 12 | 8.0 | 8.0 | 6.0 | 9.0 | 3.0 | 7.0 | 8.0 | 10.0 | 9.0 | 9.0 | 6.0 | 5.0 | 4.0 | 5.0 | 1.0 | 5.0 | 3.0 | 5.0 | 4.0 | 8.0 | 9.0 | 5.0 | 6.0 | 12.0 | 24 | 12.0 |
| 13 | 12.0 | .0 | 3.0 | 8.0 | 7.0 | 7.0 | 9.0 | 1.0 | 8.0 | 8.0 | 10.0 | 7.0 | 6.0 | 6.0 | 8.0 | 6.0 | 5.0 | 8.0 | 6.0 | 8.0 | 9.0 | 8.0 | 7.0 | 7.0 | 24 | 12.0 |
| 14 | 4.0 | 3.0 | 3.0 | 7.0 | 6.0 | 5.0 | 5.0 | 1.0 | 9.0 | 4.0 | 7.0 | 5.0 | 9.0 | 6.0 | 5.0 | 7.0 | 5.0 | 2.0 | 3.0 | 2.0 | 5.0 | 4.0 | 7.0 | 5.0 | 24 | 9.0 |
| 15 | 2.0 | 3.0 | 4.0 | 6.0 | 2.0 | 2.0 | 8.0 | 4.0 | 5.0 | 6.0 | 9.0 | 5.0 | 7.0 | 4.0 | 8.0 | 4.0 | 8.0 | 11.0 | 4.0 | 7.0 | 6.0 | 7.0 | 2.0 | .0 | 24 | 11.0 |
| 16 | 3.0 | 3.0 | 2.0 | 4.0 | 3.0 | 5.0 | 6.0 | 3.0 | 4.0 | 8.0 | 10.0 | 7.0 | 9.0 | 4.0 | 6.0 | 6.0 | 6.0 | 7.0 | 6.0 | 7.0 | 4.0 | 6.0 | 6.0 | 8.0 | 24 | 10.0 |
| 17 | 6.0 | 8.0 | 8.0 | 9.0 | 7.0 | 6.0 | 3.0 | 2.0 | 8.0 | 10.0 | 7.0 | 8.0 | 5.0 | 6.0 | 6.0 | 3.0 | 4.0 | 3.0 | 3.0 | 4.0 | 6.0 | AV | 28.0 | 22.0 | 23 | 28.0 |
| 18 | 13.0 | 8.0 | 10.0 | 9.0 | 9.0 | 13.0 | 9.0 | 1.0 | 19.0 | 17.0 | 15.0 | 14.0 | 9.0 | 6.0 | 4.0 | 12.0 | 7.0 | 4.0 | 8.0 | 8.0 | 6.0 | 10.0 | 13.0 | 16.0 | 24 | 19.0 |
| 19 | 17.0 | 13.0 | 13.0 | 11.0 | 10.0 | 13.0 | 10.0 | 9.0 | 17.0 | 17.0 | 19.0 | 11.0 | 17.0 | 14.0 | 12.0 | 12.0 | 10.0 | 12.0 | 8.0 | 6.0 | 11.0 | 13.0 | 17.0 | 19.0 | 24 | 19.0 |
| 20 | 16.0 | 20.0 | 15.0 | 17.0 | 15.0 | 12.0 | 8.0 | 5.0 | AX | BA | BA | 17.0 | 13.0 | 11.0 | 11.0 | 9.0 | 11.0 | 8.0 | 11.0 | 8.0 | 9.0 | 15.0 | 19.0 | 20.0 | 21 | 20.0 |
| 21 | 29.0 | 33.0 | 39.0 | 27.0 | 21.0 | 12.0 | 10.0 | 17.0 | 10.0 | 7.0 | 9.0 | 14.0 | 14.0 | 19.0 | 10.0 | 13.0 | 11.0 | 11.0 | 7.0 | 16.0 | 11.0 | 8.0 | 10.0 | 9.0 | 24 | 39.0 |
| 22 | 6.0 | 10.0 | 8.0 | 9.0 | 10.0 | 7.0 | 6.0 | 8.0 | 11.0 | 10.0 | 16.0 | 12.0 | 14.0 | 7.0 | 13.0 | 9.0 | -2.0 | 5.0 | 6.0 | 8.0 | 6.0 | 9.0 | 6.0 | 7.0 | 24 | 16.0 |
| 23 | 9.0 | 7.0 | 6.0 | 10.0 | 11.0 | 11.0 | 9.0 | 12.0 | 10.0 | 10.0 | 7.0 | 11.0 | 8.0 | 7.0 | 3.0 | 4.0 | 7.0 | 7.0 | -4.0 | 6.0 | 4.0 | 4.0 | 3.0 | 4.0 | 24 | 12.0 |
| 24 | 5.0 | 9.0 | 10.0 | 11.0 | 10.0 | 6.0 | 6.0 | 8.0 | 5.0 | 4.0 | 4.0 | 7.0 | 4.0 | 7.0 | 10.0 | 7.0 | 5.0 | 7.0 | 7.0 | 5.0 | 3.0 | 8.0 | 4.0 | 11.0 | 24 | 11.0 |
| 25 | 7.0 | 5.0 | 4.0 | 7.0 | 7.0 | 6.0 | 7.0 | 7.0 | 7.0 | 14.0 | 10.0 | 11.0 | 7.0 | 9.0 | 13.0 | 8.0 | 10.0 | 6.0 | 9.0 | 7.0 | 9.0 | 7.0 | 4.0 | 6.0 | 24 | 14.0 |
| 26 | 7.0 | 8.0 | 6.0 | 10.0 | 6.0 | 7.0 | 8.0 | 6.0 | 10.0 | 11.0 | 11.0 | 10.0 | 13.0 | 12.0 | 13.0 | 9.0 | 11.0 | 11.0 | 12.0 | 14.0 | 10.0 | 5.0 | 8.0 | 7.0 | 24 | 14.0 |
| 27 | 12.0 | 10.0 | 7.0 | 9.0 | 8.0 | 9.0 | 9.0 | 9.0 | 14.0 | 12.0 | 14.0 | 15.0 | 13.0 | 13.0 | 11.0 | 13.0 | 13.0 | 13.0 | 15.0 | 12.0 | 15.0 | 18.0 | 20.0 | 19.0 | 24 | 20.0 |
| 28 | 20.0 | 14.0 | 14.0 | 11.0 | 12.0 | 14.0 | 12.0 | 10.0 | 12.0 | 13.0 | 10.0 | 15.0 | 14.0 | 15.0 | 12.0 | 13.0 | 14.0 | 14.0 | 15.0 | 11.0 | 9.0 | 23.0 | .0 | 12.0 | 24 | 23.0 |
| 29 | 13.0 | 10.0 | 7.0 | 12.0 | 12.0 | 15.0 | 13.0 | 10.0 | 8.0 | 9.0 | 13.0 | 12.0 | 16.0 | 10.0 | 11.0 | 11.0 | 11.0 | 9.0 | 11.0 | 7.0 | 9.0 | 13.0 | 13.0 | 11.0 | 24 | 16.0 |
| 30 | 14.0 | 13.0 | 16.0 | 16.0 | 15.0 | 12.0 | 11.0 | 14.0 | 15.0 | 12.0 | 14.0 | 15.0 | 15.0 | 13.0 | 22.0 | 14.0 | 13.0 | 10.0 | 11.0 | 15.0 | 15.0 | 15.0 | 12.0 | 11.0 | 24 | 22.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 28 | 29 | 30 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 30 | 30 | | |
| MAX: | 29.0 | 33.0 | 39.0 | 27.0 | 21.0 | 15.0 | 13.0 | 17.0 | 19.0 | 17.0 | 19.0 | 17.0 | 17.0 | 19.0 | 22.0 | 31.0 | 14.0 | 14.0 | 15.0 | 16.0 | 15.0 | 23.0 | 28.0 | 38.0 | | |
| AVG: | 9.23 | 8.40 | 7.97 | 8.40 | 7.77 | 7.50 | 7.37 | 5.21 | 8.39 | 8.64 | 8.55 | 8.57 | 7.97 | 7.83 | 8.24 | 8.70 | 7.30 | 6.60 | 6.37 | 6.93 | 6.40 | 7.72 | 8.00 | 9.93 | | |

MONTHLY OBSERVATIONS: 710 MONTHLY MEAN: 7.83 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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-051-0009 POC: 3
COUNTY: (051) Cumberland
CITY: (22920) Fayetteville
SITE ADDRESS: 4533 RAEFORD RD
SITE COMMENTS: Elevation via GoogleEarth, Space Shuttle Radar Topography using interferometric sy
MONITOR COMMENTS: ID2=601

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (2560) FAYETTEVILLE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.041416
LONGITUDE: -78.953112
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 63
PROBE HEIGHT: 2.38

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MAY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12.0 | 9.0 | 7.0 | 9.0 | 9.0 | 12.0 | 6.0 | 13.0 | 14.0 | 14.0 | 14.0 | 21.0 | 7.0 | 11.0 | 8.0 | 12.0 | 12.0 | 12.0 | 4.0 | 6.0 | 6.0 | 5.0 | 6.0 | 7.0 | 24 | 21.0 |
| 2 | 9.0 | 7.0 | 13.0 | 13.0 | 11.0 | 11.0 | 10.0 | 11.0 | 14.0 | 12.0 | 14.0 | 13.0 | 14.0 | 15.0 | 17.0 | 15.0 | -4.0 | 11.0 | 9.0 | -4.0 | 2.0 | 7.0 | 6.0 | 7.0 | 24 | 17.0 |
| 3 | 8.0 | 4.0 | 8.0 | 12.0 | 11.0 | 7.0 | 8.0 | 8.0 | 8.0 | 13.0 | 10.0 | 5.0 | 14.0 | 9.0 | 9.0 | 7.0 | 11.0 | 4.0 | 15.0 | .0 | 4.0 | 10.0 | 13.0 | 15.0 | 24 | 15.0 |
| 4 | 13.0 | 10.0 | 8.0 | 6.0 | 7.0 | 6.0 | 7.0 | 6.0 | 11.0 | 8.0 | 10.0 | AZ | BA | BA | 8.0 | 2.0 | 7.0 | 7.0 | 6.0 | 5.0 | 6.0 | 7.0 | 9.0 | 9.0 | 21 | 13.0 |
| 5 | 12.0 | 7.0 | 7.0 | 11.0 | 17.0 | 18.0 | 11.0 | 11.0 | 11.0 | 14.0 | 18.0 | 5.0 | .0 | 5.0 | -1.0 | -1.0 | 6.0 | .0 | 5.0 | .0 | 3.0 | .0 | 1.0 | 4.0 | 24 | 18.0 |
| 6 | .0 | 4.0 | 4.0 | 1.0 | 5.0 | 6.0 | 1.0 | -1.0 | -2.0 | 5.0 | -5.0 | 7.0 | 1.0 | .0 | 5.0 | -5.0 | 6.0 | 3.0 | 2.0 | .0 | 7.0 | 3.0 | 5.0 | 6.0 | 24 | 7.0 |
| 7 | 11.0 | 10.0 | 8.0 | 8.0 | 8.0 | 4.0 | 5.0 | 3.0 | 9.0 | 11.0 | 9.0 | 6.0 | 4.0 | 6.0 | 3.0 | 6.0 | 2.0 | 5.0 | 8.0 | 5.0 | 9.0 | 9.0 | 11.0 | 10.0 | 24 | 11.0 |
| 8 | 10.0 | 7.0 | 8.0 | 7.0 | 8.0 | 10.0 | 9.0 | 7.0 | 9.0 | 10.0 | 15.0 | 13.0 | 5.0 | 10.0 | 11.0 | 11.0 | 5.0 | 9.0 | 6.0 | 6.0 | 9.0 | 9.0 | 10.0 | 11.0 | 24 | 15.0 |
| 9 | 12.0 | 9.0 | 7.0 | 9.0 | 10.0 | 10.0 | 13.0 | 13.0 | 15.0 | 15.0 | 22.0 | 20.0 | 21.0 | 16.0 | 22.0 | 23.0 | 26.0 | 14.0 | 14.0 | 16.0 | 12.0 | 17.0 | 21.0 | 25.0 | 24 | 26.0 |
| 10 | 23.0 | 18.0 | 18.0 | 16.0 | 20.0 | 19.0 | 17.0 | 16.0 | BA | 24.0 | 15.0 | 14.0 | 9.0 | 12.0 | 13.0 | 11.0 | 13.0 | 10.0 | 8.0 | 9.0 | 7.0 | 11.0 | 13.0 | 11.0 | 23 | 24.0 |
| 11 | 15.0 | 14.0 | 15.0 | 13.0 | 15.0 | 17.0 | 18.0 | 16.0 | 15.0 | 14.0 | 15.0 | 13.0 | 13.0 | 12.0 | 11.0 | 12.0 | 10.0 | 7.0 | 11.0 | 15.0 | 9.0 | 11.0 | 13.0 | 15.0 | 24 | 18.0 |
| 12 | 16.0 | 16.0 | 19.0 | 17.0 | 14.0 | 15.0 | 12.0 | 16.0 | 15.0 | 23.0 | 26.0 | 25.0 | 24.0 | 27.0 | 17.0 | 3.0 | 13.0 | 13.0 | 13.0 | 10.0 | 8.0 | 13.0 | 7.0 | 7.0 | 24 | 27.0 |
| 13 | 11.0 | 11.0 | 7.0 | 4.0 | 6.0 | 5.0 | 8.0 | 12.0 | 2.0 | 7.0 | 9.0 | 13.0 | 12.0 | 13.0 | 15.0 | 12.0 | 3.0 | 6.0 | 8.0 | 7.0 | 3.0 | 4.0 | 7.0 | 7.0 | 24 | 15.0 |
| 14 | 8.0 | 4.0 | 7.0 | 9.0 | 9.0 | 7.0 | 5.0 | 2.0 | 11.0 | 14.0 | 9.0 | 11.0 | 7.0 | 4.0 | 9.0 | 6.0 | 10.0 | 8.0 | 7.0 | 6.0 | 3.0 | 12.0 | 6.0 | 9.0 | 24 | 14.0 |
| 15 | 7.0 | 1.0 | 2.0 | 3.0 | 2.0 | 4.0 | .0 | .0 | 7.0 | 5.0 | 2.0 | 4.0 | .0 | 2.0 | 6.0 | 19.0 | 16.0 | 15.0 | 19.0 | 13.0 | 16.0 | 12.0 | 17.0 | 12.0 | 24 | 19.0 |
| 16 | 14.0 | 2.0 | 6.0 | 7.0 | 4.0 | 6.0 | 1.0 | 4.0 | 8.0 | 9.0 | 5.0 | 6.0 | 4.0 | 4.0 | 85.0 | 10.0 | 9.0 | 7.0 | 7.0 | 9.0 | 5.0 | 7.0 | 12.0 | 11.0 | 24 | 85.0 |
| 17 | 6.0 | 7.0 | 9.0 | 7.0 | 5.0 | 7.0 | 7.0 | 8.0 | 8.0 | 9.0 | 8.0 | 7.0 | 5.0 | 9.0 | 3.0 | 13.0 | 1.0 | 3.0 | 1.0 | 8.0 | 6.0 | 3.0 | 8.0 | 11.0 | 24 | 13.0 |
| 18 | 5.0 | 8.0 | 9.0 | 6.0 | 6.0 | 3.0 | 6.0 | 4.0 | 3.0 | 1.0 | 2.0 | 7.0 | AX | BA | 13.0 | 11.0 | 6.0 | 6.0 | 6.0 | 4.0 | 5.0 | 7.0 | 8.0 | 5.0 | 22 | 13.0 |
| 19 | 3.0 | 6.0 | 7.0 | 5.0 | 4.0 | 4.0 | 5.0 | 8.0 | 7.0 | 11.0 | 8.0 | 7.0 | 11.0 | 13.0 | 10.0 | 15.0 | 9.0 | 6.0 | 9.0 | 12.0 | 12.0 | 9.0 | 7.0 | 8.0 | 24 | 15.0 |
| 20 | 5.0 | 10.0 | 7.0 | 6.0 | 5.0 | 6.0 | 7.0 | 10.0 | 9.0 | 9.0 | 9.0 | 11.0 | 13.0 | 12.0 | 7.0 | 7.0 | 5.0 | 6.0 | 6.0 | 9.0 | 8.0 | 5.0 | 7.0 | 5.0 | 24 | 13.0 |
| 21 | 2.0 | 4.0 | 4.0 | 2.0 | 7.0 | 7.0 | 5.0 | 6.0 | 4.0 | .0 | 4.0 | 4.0 | 2.0 | 3.0 | 5.0 | 1.0 | 2.0 | 4.0 | 11.0 | 3.0 | .0 | .0 | -2.0 | 3.0 | 24 | 11.0 |
| 22 | 5.0 | .0 | 5.0 | 5.0 | 7.0 | 5.0 | 2.0 | 5.0 | 1.0 | 4.0 | 3.0 | 9.0 | 3.0 | -3.0 | 5.0 | 1.0 | 1.0 | 1.0 | 7.0 | 4.0 | -2.0 | 7.0 | 5.0 | 6.0 | 24 | 9.0 |
| 23 | 5.0 | 5.0 | 8.0 | 5.0 | 6.0 | 8.0 | 6.0 | 6.0 | 10.0 | 1.0 | 4.0 | .0 | .0 | 5.0 | 4.0 | 1.0 | -5.0 | .0 | 9.0 | 4.0 | 3.0 | 1.0 | 8.0 | 8.0 | 24 | 10.0 |
| 24 | 11.0 | 5.0 | 3.0 | 5.0 | 5.0 | 9.0 | 2.0 | 3.0 | 8.0 | 8.0 | 9.0 | 7.0 | 5.0 | 7.0 | 5.0 | 9.0 | 3.0 | 10.0 | 5.0 | 13.0 | 9.0 | 9.0 | 9.0 | 9.0 | 24 | 13.0 |
| 25 | 12.0 | 12.0 | 10.0 | 11.0 | 12.0 | 9.0 | 5.0 | 16.0 | 11.0 | 15.0 | 17.0 | 17.0 | 12.0 | 11.0 | 9.0 | 9.0 | 12.0 | 15.0 | 16.0 | 15.0 | 13.0 | 14.0 | 18.0 | 16.0 | 24 | 18.0 |
| 26 | 16.0 | 12.0 | 16.0 | 16.0 | 14.0 | 13.0 | 10.0 | 15.0 | 18.0 | 15.0 | 23.0 | 17.0 | 17.0 | 16.0 | 15.0 | 15.0 | 18.0 | 15.0 | 15.0 | 14.0 | 14.0 | 10.0 | 9.0 | 7.0 | 24 | 23.0 |
| 27 | 6.0 | 9.0 | 8.0 | 9.0 | 10.0 | 8.0 | 6.0 | 9.0 | 10.0 | 10.0 | 14.0 | 10.0 | 10.0 | 10.0 | 13.0 | 15.0 | 3.0 | 10.0 | 15.0 | 9.0 | 4.0 | 7.0 | 9.0 | 8.0 | 24 | 15.0 |
| 28 | 12.0 | 9.0 | 12.0 | 10.0 | 10.0 | 10.0 | 9.0 | 11.0 | 14.0 | 11.0 | 10.0 | 5.0 | 3.0 | 5.0 | 8.0 | 8.0 | 3.0 | 11.0 | .0 | 9.0 | 2.0 | 4.0 | 7.0 | 6.0 | 24 | 14.0 |
| 29 | 6.0 | 8.0 | 4.0 | 5.0 | 10.0 | 5.0 | 3.0 | 9.0 | 8.0 | 2.0 | 5.0 | 1.0 | 5.0 | 5.0 | 12.0 | 3.0 | 1.0 | 6.0 | -3.0 | 5.0 | 3.0 | 5.0 | 5.0 | 6.0 | 24 | 12.0 |
| 30 | 5.0 | 5.0 | 7.0 | 6.0 | 8.0 | 7.0 | 6.0 | 8.0 | 10.0 | 7.0 | 3.0 | 6.0 | 13.0 | 1.0 | 18.0 | 6.0 | 5.0 | -3.0 | 5.0 | AV | AV | -2.0 | 12.0 | 5.0 | 22 | 18.0 |
| 31 | 7.0 | 4.0 | 9.0 | 8.0 | 8.0 | 9.0 | 9.0 | 5.0 | 7.0 | 4.0 | 8.0 | 4.0 | 4.0 | 11.0 | 7.0 | 6.0 | 8.0 | 9.0 | 10.0 | 2.0 | 7.0 | 10.0 | 7.0 | 7.0 | 24 | 11.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 31 | 30 | 29 | 29 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 31 | 31 | 31 | | |
| MAX: | 23.0 | 18.0 | 19.0 | 17.0 | 20.0 | 19.0 | 18.0 | 16.0 | 18.0 | 24.0 | 26.0 | 25.0 | 24.0 | 27.0 | 85.0 | 23.0 | 26.0 | 15.0 | 19.0 | 16.0 | 16.0 | 17.0 | 21.0 | 25.0 | | |
| AVG: | 9.26 | 7.65 | 8.45 | 8.10 | 8.81 | 8.61 | 7.06 | 8.39 | 9.17 | 9.84 | 10.16 | 9.60 | 8.21 | 8.66 | 12.00 | 8.48 | 7.00 | 7.42 | 8.19 | 7.13 | 6.43 | 7.29 | 8.84 | 8.90 | | |

MONTHLY OBSERVATIONS: 736 MONTHLY MEAN: 8.49 MONTHLY MAX: 85.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-051-0009 POC: 3
COUNTY: (051) Cumberland
CITY: (22920) Fayetteville
SITE ADDRESS: 4533 RAEFORD RD
SITE COMMENTS: Elevation via GoogleEarth, Space Shuttle Radar Topography using interferometric sy
MONITOR COMMENTS: ID2=601

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (2560) FAYETTEVILLE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.041416
LONGITUDE: -78.953112
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 63
PROBE HEIGHT: 2.38

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JUNE 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.0 | 6.0 | 8.0 | 7.0 | 5.0 | 5.0 | 4.0 | 5.0 | 12.0 | 1.0 | AX | BA | BA | 11.0 | 5.0 | 5.0 | 7.0 | 7.0 | 1.0 | 5.0 | -1.0 | 4.0 | 4.0 | 6.0 | 21 | 12.0 |
| 2 | 6.0 | 7.0 | 3.0 | 6.0 | 5.0 | 4.0 | 8.0 | 8.0 | 5.0 | 8.0 | 9.0 | 10.0 | 13.0 | 11.0 | 8.0 | 8.0 | 7.0 | 14.0 | 8.0 | 9.0 | 8.0 | 10.0 | 11.0 | 3.0 | 24 | 14.0 |
| 3 | 5.0 | 3.0 | 5.0 | 9.0 | 8.0 | 9.0 | 7.0 | BK | 28.0 | 1.0 | 14.0 | 16.0 | 16.0 | 15.0 | 14.0 | 16.0 | 6.0 | 11.0 | AV | AV | AV | AV | AV | AV | 17 | 28.0 |
| 4 | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | 0 | |
| 5 | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | 0 | |
| 6 | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | 0 | |
| 7 | AV | AV | AV | AV | AV | AV | AV | AV | AX | BA | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | 0 | |
| 8 | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | 0 | |
| 9 | BK | BK | BK | BK | BK | BK | BK | BK | BK | BE | BE | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | 0 | |
| 10 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | 0 | |
| 11 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | 0 | |
| 12 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | 0 | |
| 13 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | BA | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | 0 | |
| 14 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | 0 | |
| 15 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AX | BA | BC | -5.0 | 21.0 | 19.0 | 34.0 | 23.0 | 19.0 | 10.0 | 4.0 | 3.0 | 5.0 | 2.0 | 8.0 | 9.0 | 13 | 34.0 |
| 16 | 6.0 | 5.0 | 9.0 | 7.0 | 7.0 | 8.0 | 7.0 | 10.0 | 12.0 | 9.0 | 17.0 | 18.0 | 14.0 | 9.0 | 6.0 | 10.0 | 2.0 | 8.0 | 5.0 | 9.0 | 6.0 | 12.0 | 10.0 | 14.0 | 24 | 18.0 |
| 17 | 16.0 | 11.0 | 14.0 | 13.0 | 13.0 | 10.0 | 9.0 | 9.0 | 12.0 | 10.0 | 11.0 | 9.0 | 7.0 | 11.0 | 12.0 | -5.0 | 11.0 | 6.0 | 3.0 | 2.0 | 1.0 | 3.0 | 1.0 | 3.0 | 24 | 16.0 |
| 18 | 2.0 | 2.0 | 6.0 | 6.0 | 6.0 | 6.0 | 5.0 | 6.0 | 9.0 | 15.0 | 9.0 | 9.0 | 7.0 | 5.0 | 7.0 | 4.0 | 6.0 | 3.0 | 3.0 | 3.0 | 1.0 | 3.0 | 7.0 | 7.0 | 24 | 15.0 |
| 19 | 7.0 | 6.0 | 6.0 | 4.0 | 6.0 | 2.0 | 2.0 | 1.0 | 4.0 | 10.0 | 7.0 | 8.0 | 4.0 | 6.0 | 3.0 | 3.0 | 4.0 | 5.0 | 7.0 | 5.0 | 7.0 | 6.0 | 7.0 | 7.0 | 24 | 10.0 |
| 20 | 7.0 | 9.0 | 4.0 | 7.0 | 8.0 | 7.0 | 2.0 | 8.0 | 9.0 | 10.0 | 10.0 | 8.0 | 6.0 | 7.0 | 10.0 | 7.0 | 8.0 | 12.0 | 10.0 | 12.0 | 7.0 | 8.0 | 11.0 | 6.0 | 24 | 12.0 |
| 21 | 9.0 | 7.0 | 6.0 | 8.0 | 6.0 | 9.0 | 6.0 | 8.0 | 9.0 | 14.0 | 17.0 | 11.0 | 18.0 | 12.0 | 13.0 | 12.0 | 9.0 | 9.0 | 7.0 | 9.0 | 10.0 | 10.0 | 14.0 | 13.0 | 24 | 18.0 |
| 22 | 12.0 | 10.0 | 9.0 | 9.0 | 5.0 | 8.0 | 9.0 | 6.0 | 11.0 | 12.0 | 13.0 | 17.0 | 16.0 | 14.0 | 13.0 | 19.0 | 15.0 | 17.0 | 13.0 | 15.0 | 16.0 | 16.0 | 17.0 | 19.0 | 24 | 19.0 |
| 23 | 23.0 | 19.0 | 18.0 | 19.0 | 18.0 | 16.0 | 14.0 | 15.0 | 17.0 | 20.0 | 21.0 | 20.0 | 20.0 | 21.0 | 22.0 | 20.0 | 15.0 | 19.0 | 15.0 | 17.0 | 19.0 | 17.0 | 17.0 | 13.0 | 24 | 23.0 |
| 24 | -1.0 | 2.0 | 1.0 | 6.0 | 1.0 | 3.0 | 2.0 | 2.0 | 5.0 | 10.0 | 18.0 | 14.0 | 26.0 | 21.0 | 28.0 | 23.0 | 29.0 | 23.0 | 24.0 | 19.0 | 8.0 | 8.0 | 6.0 | 7.0 | 24 | 29.0 |
| 25 | 7.0 | 8.0 | 8.0 | 9.0 | 10.0 | 11.0 | 9.0 | 14.0 | 13.0 | 16.0 | 19.0 | 19.0 | 17.0 | 15.0 | 19.0 | 18.0 | 11.0 | 14.0 | 12.0 | 11.0 | 5.0 | 10.0 | 13.0 | 10.0 | 24 | 19.0 |
| 26 | 10.0 | 3.0 | 9.0 | 8.0 | 7.0 | 8.0 | 5.0 | 8.0 | 7.0 | 11.0 | 10.0 | 12.0 | 12.0 | 9.0 | 8.0 | 8.0 | 7.0 | 6.0 | 4.0 | 5.0 | 6.0 | 5.0 | 7.0 | 6.0 | 24 | 12.0 |
| 27 | 11.0 | 12.0 | 8.0 | 10.0 | 11.0 | 10.0 | 14.0 | 11.0 | 10.0 | 10.0 | 8.0 | 14.0 | 10.0 | 10.0 | 12.0 | 9.0 | 10.0 | 2.0 | 8.0 | 7.0 | 8.0 | 5.0 | 4.0 | 4.0 | 24 | 14.0 |
| 28 | 5.0 | 4.0 | 6.0 | 5.0 | 2.0 | 7.0 | 4.0 | 7.0 | AX | BA | BC | 20.0 | 9.0 | 2.0 | 14.0 | -2.0 | 3.0 | 6.0 | 11.0 | 11.0 | 10.0 | 10.0 | 10.0 | 10.0 | 21 | 20.0 |
| 29 | 13.0 | 12.0 | 13.0 | 14.0 | 12.0 | 11.0 | 11.0 | 7.0 | 11.0 | 12.0 | 15.0 | 16.0 | 15.0 | 6.0 | 14.0 | 16.0 | 3.0 | 15.0 | 9.0 | 11.0 | 7.0 | 7.0 | 9.0 | 6.0 | 24 | 16.0 |
| 30 | 7.0 | 10.0 | 6.0 | 7.0 | 5.0 | 8.0 | 10.0 | 6.0 | 5.0 | 12.0 | 11.0 | 15.0 | 12.0 | 12.0 | 13.0 | 15.0 | 10.0 | 13.0 | 12.0 | 16.0 | 3.0 | 11.0 | 10.0 | 8.0 | 24 | 16.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 17 | 17 | 17 | 16 | 18 | 18 | 19 | 19 | 19 | 19 | 19 | 18 | 18 | 18 | 18 | 18 | 18 | | |
| MAX: | 23.0 | 19.0 | 18.0 | 19.0 | 18.0 | 16.0 | 14.0 | 15.0 | 28.0 | 20.0 | 21.0 | 20.0 | 26.0 | 21.0 | 34.0 | 23.0 | 29.0 | 23.0 | 24.0 | 19.0 | 19.0 | 17.0 | 17.0 | 19.0 | | |
| AVG: | 8.50 | 7.56 | 7.72 | 8.56 | 7.50 | 7.89 | 7.11 | 7.71 | 10.53 | 10.65 | 13.06 | 12.83 | 13.50 | 11.37 | 13.42 | 11.00 | 9.58 | 10.53 | 8.67 | 9.39 | 7.00 | 8.17 | 9.22 | 8.39 | | |

MONTHLY OBSERVATIONS: 432 MONTHLY MEAN: 9.58 MONTHLY MAX: 34.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-051-0009 POC: 3
COUNTY: (051) Cumberland
CITY: (22920) Fayetteville
SITE ADDRESS: 4533 RAEFORD RD
SITE COMMENTS: Elevation via GoogleEarth, Space Shuttle Radar Topography using interferometric sy
MONITOR COMMENTS: ID2=601

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (2560) FAYETTEVILLE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.041416
LONGITUDE: -78.953112
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 63
PROBE HEIGHT: 2.38

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JULY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.0 | 12.0 | 13.0 | 10.0 | 10.0 | 12.0 | 13.0 | 7.0 | 9.0 | 8.0 | 11.0 | 7.0 | 12.0 | 15.0 | 13.0 | 14.0 | 11.0 | 14.0 | 10.0 | 8.0 | 8.0 | 10.0 | 4.0 | 6.0 | 24 | 15.0 |
| 2 | 5.0 | 3.0 | 10.0 | 7.0 | 7.0 | 6.0 | 7.0 | 10.0 | 12.0 | 9.0 | 21.0 | 18.0 | 17.0 | 15.0 | 16.0 | 8.0 | 11.0 | 6.0 | 13.0 | 12.0 | 6.0 | 2.0 | 4.0 | 6.0 | 24 | 21.0 |
| 3 | 4.0 | 8.0 | 11.0 | 8.0 | 7.0 | 7.0 | 9.0 | 8.0 | 13.0 | 7.0 | 12.0 | 16.0 | 15.0 | 16.0 | 29.0 | 6.0 | 3.0 | 15.0 | 20.0 | 12.0 | 13.0 | 11.0 | 10.0 | 8.0 | 24 | 29.0 |
| 4 | 11.0 | 9.0 | 12.0 | 18.0 | 6.0 | 13.0 | 18.0 | 17.0 | 14.0 | 14.0 | 15.0 | 21.0 | 24.0 | 21.0 | 19.0 | 23.0 | 23.0 | 19.0 | -5.0 | 6.0 | 13.0 | 47.0 | 51.0 | 20.0 | 24 | 51.0 |
| 5 | 10.0 | 6.0 | 10.0 | 7.0 | 9.0 | 8.0 | 7.0 | 6.0 | 6.0 | 14.0 | 11.0 | 14.0 | 14.0 | 18.0 | 18.0 | 15.0 | 14.0 | 15.0 | 15.0 | -2.0 | 4.0 | 12.0 | 10.0 | 8.0 | 24 | 18.0 |
| 6 | 8.0 | 9.0 | 11.0 | 10.0 | 11.0 | 8.0 | 8.0 | 12.0 | 10.0 | 9.0 | 14.0 | 15.0 | 14.0 | 9.0 | 10.0 | 11.0 | 10.0 | 12.0 | 5.0 | 4.0 | 6.0 | 7.0 | 7.0 | 8.0 | 24 | 15.0 |
| 7 | 6.0 | 8.0 | 7.0 | 6.0 | 6.0 | 7.0 | 5.0 | 8.0 | 11.0 | 12.0 | 9.0 | 9.0 | 10.0 | 8.0 | 19.0 | 11.0 | 12.0 | 10.0 | 8.0 | 11.0 | -1.0 | 6.0 | 6.0 | 6.0 | 24 | 19.0 |
| 8 | 5.0 | 7.0 | 8.0 | 6.0 | 9.0 | 8.0 | 5.0 | 7.0 | 7.0 | 14.0 | 14.0 | 9.0 | 9.0 | 9.0 | 9.0 | 11.0 | 12.0 | 10.0 | 10.0 | 5.0 | 13.0 | 9.0 | 13.0 | -1.0 | 24 | 14.0 |
| 9 | 2.0 | 3.0 | 6.0 | 7.0 | 4.0 | 7.0 | 4.0 | 5.0 | 3.0 | 11.0 | 8.0 | 12.0 | 10.0 | 11.0 | 10.0 | 10.0 | 15.0 | 11.0 | 7.0 | 7.0 | 9.0 | 7.0 | 8.0 | 8.0 | 24 | 15.0 |
| 10 | 10.0 | 7.0 | 8.0 | 7.0 | 8.0 | 13.0 | 5.0 | 7.0 | 8.0 | 11.0 | 9.0 | 2.0 | 10.0 | 2.0 | 8.0 | 7.0 | 10.0 | 8.0 | 7.0 | 7.0 | 5.0 | 5.0 | 6.0 | 9.0 | 24 | 13.0 |
| 11 | 11.0 | 12.0 | 11.0 | 11.0 | 13.0 | 9.0 | 8.0 | 7.0 | 11.0 | 12.0 | 15.0 | 18.0 | 10.0 | 14.0 | 15.0 | 14.0 | -4.0 | 4.0 | 2.0 | 4.0 | 3.0 | 3.0 | 4.0 | 1.0 | 24 | 18.0 |
| 12 | 4.0 | 5.0 | 6.0 | 2.0 | 7.0 | 5.0 | 5.0 | 7.0 | 3.0 | 14.0 | 14.0 | 12.0 | 7.0 | 15.0 | 13.0 | 16.0 | 10.0 | 12.0 | 9.0 | 11.0 | 14.0 | 9.0 | 15.0 | 16.0 | 24 | 16.0 |
| 13 | 8.0 | 6.0 | 4.0 | 6.0 | 5.0 | 6.0 | 7.0 | 1.0 | AX | BA | BA | 17.0 | 22.0 | 17.0 | 22.0 | 31.0 | 26.0 | 26.0 | 25.0 | 27.0 | 22.0 | 19.0 | 17.0 | 22.0 | 21 | 31.0 |
| 14 | 23.0 | 17.0 | 18.0 | 17.0 | 14.0 | 13.0 | 10.0 | 8.0 | 15.0 | 15.0 | 19.0 | 18.0 | 20.0 | 15.0 | 10.0 | 12.0 | 15.0 | AV | 24.0 | 12.0 | 6.0 | 10.0 | 11.0 | 13.0 | 23 | 24.0 |
| 15 | 9.0 | 13.0 | 13.0 | 13.0 | 9.0 | 8.0 | 10.0 | 14.0 | 10.0 | 13.0 | 14.0 | 18.0 | 15.0 | 14.0 | 14.0 | 13.0 | -5.0 | 4.0 | 4.0 | 4.0 | 6.0 | 3.0 | 4.0 | 4.0 | 24 | 18.0 |
| 16 | 8.0 | 14.0 | 4.0 | 9.0 | 4.0 | 7.0 | 12.0 | 7.0 | 8.0 | 9.0 | 14.0 | 12.0 | 12.0 | 9.0 | 8.0 | 6.0 | 11.0 | 9.0 | 5.0 | 9.0 | 6.0 | 6.0 | -3.0 | .0 | 24 | 14.0 |
| 17 | 4.0 | -1.0 | -1.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 | 8.0 | 5.0 | 8.0 | 9.0 | 10.0 | 12.0 | 9.0 | 11.0 | 8.0 | 7.0 | 4.0 | 3.0 | 2.0 | 2.0 | 3.0 | 24 | 12.0 |
| 18 | 5.0 | 6.0 | 1.0 | 4.0 | 4.0 | 3.0 | 5.0 | 8.0 | 5.0 | 7.0 | 12.0 | 7.0 | 6.0 | 9.0 | 8.0 | 8.0 | 12.0 | 12.0 | 7.0 | 8.0 | 6.0 | 4.0 | 6.0 | 4.0 | 24 | 12.0 |
| 19 | 5.0 | 6.0 | 9.0 | 6.0 | 7.0 | 7.0 | 4.0 | 6.0 | 12.0 | 13.0 | 16.0 | 12.0 | AX | BA | BA | -5.0 | 21.0 | 15.0 | 10.0 | 3.0 | -3.0 | 2.0 | 2.0 | 4.0 | 21 | 21.0 |
| 20 | 3.0 | 9.0 | 6.0 | 5.0 | 3.0 | 4.0 | -1.0 | 6.0 | 4.0 | 7.0 | 10.0 | 10.0 | 13.0 | 15.0 | 11.0 | 8.0 | 15.0 | 14.0 | 13.0 | 10.0 | 9.0 | 10.0 | 12.0 | 11.0 | 24 | 15.0 |
| 21 | 12.0 | 12.0 | 13.0 | 11.0 | 11.0 | 10.0 | 13.0 | 13.0 | 15.0 | 16.0 | 17.0 | 14.0 | 10.0 | 12.0 | 12.0 | 15.0 | 8.0 | 12.0 | 9.0 | 13.0 | 11.0 | 10.0 | 14.0 | 16.0 | 24 | 17.0 |
| 22 | 14.0 | 15.0 | 12.0 | 13.0 | 16.0 | 13.0 | 16.0 | 13.0 | 14.0 | 17.0 | 15.0 | 14.0 | 10.0 | 15.0 | 14.0 | 11.0 | 13.0 | 17.0 | 11.0 | 10.0 | 15.0 | .0 | 8.0 | 8.0 | 24 | 17.0 |
| 23 | 4.0 | 2.0 | 6.0 | 9.0 | 13.0 | 6.0 | 7.0 | 8.0 | 12.0 | 16.0 | 22.0 | 18.0 | 16.0 | 12.0 | 10.0 | 12.0 | 10.0 | 10.0 | 14.0 | -2.0 | 14.0 | 8.0 | 7.0 | 8.0 | 24 | 22.0 |
| 24 | 10.0 | 8.0 | 11.0 | 11.0 | 10.0 | 10.0 | 10.0 | 9.0 | 14.0 | 13.0 | 13.0 | 11.0 | 14.0 | 14.0 | 13.0 | 16.0 | 14.0 | 11.0 | 12.0 | 12.0 | 11.0 | 11.0 | 14.0 | 12.0 | 24 | 16.0 |
| 25 | 14.0 | 13.0 | 10.0 | 12.0 | 11.0 | 13.0 | 11.0 | 6.0 | 14.0 | 15.0 | 11.0 | 14.0 | 16.0 | 12.0 | 12.0 | 13.0 | 12.0 | 10.0 | 15.0 | 11.0 | 11.0 | 9.0 | 10.0 | 10.0 | 24 | 16.0 |
| 26 | 9.0 | 8.0 | 5.0 | 8.0 | 7.0 | 9.0 | 9.0 | 8.0 | 9.0 | 8.0 | 11.0 | 13.0 | 14.0 | 12.0 | 13.0 | 11.0 | 15.0 | 9.0 | 12.0 | 16.0 | 10.0 | 9.0 | 17.0 | 15.0 | 24 | 17.0 |
| 27 | 14.0 | 15.0 | 13.0 | 14.0 | 12.0 | 10.0 | 14.0 | AX | BA | 20.0 2 | 16.0 2 | 17.0 2 | 12.0 2 | 13.0 2 | 11.0 2 | 12.0 2 | 11.0 2 | 12.0 2 | 7.0 2 | 11.0 2 | 3.0 2 | 13.0 2 | 12.0 2 | 10.0 2 | 22 | 20.0 |
| 28 | 10.0 2 | 9.0 2 | 10.0 2 | 8.0 2 | 6.0 2 | 6.0 2 | 7.0 2 | 8.0 2 | 10.0 2 | 13.0 2 | 13.0 2 | 17.0 2 | 9.0 2 | 11.0 2 | 8.0 2 | 9.0 2 | 14.0 2 | 13.0 2 | 13.0 2 | 15.0 2 | 9.0 2 | 12.0 2 | 14.0 2 | 12.0 2 | 24 | 17.0 |
| 29 | 13.0 2 | 11.0 2 | 10.0 2 | 12.0 2 | 11.0 2 | 15.0 2 | 13.0 2 | 9.0 2 | 14.0 2 | 10.0 2 | 6.0 2 | 6.0 2 | 9.0 2 | 7.0 2 | 5.0 2 | 4.0 2 | 7.0 2 | 3.0 2 | 5.0 2 | 5.0 2 | -1.0 2 | 4.0 2 | 4.0 2 | 10.0 2 | 24 | 15.0 |
| 30 | 6.0 2 | 9.0 2 | 4.0 2 | 6.0 2 | 8.0 2 | 9.0 2 | 7.0 2 | 7.0 2 | 11.0 2 | 18.0 2 | 13.0 2 | 9.0 2 | 9.0 2 | 6.0 2 | 9.0 2 | 9.0 2 | 11.0 2 | 11.0 2 | 14.0 2 | 11.0 2 | 1.0 2 | 4.0 2 | 13.0 2 | 9.0 2 | 24 | 18.0 |
| 31 | 7.0 2 | 4.0 2 | 8.0 2 | 9.0 2 | 9.0 2 | 10.0 2 | 8.0 2 | 14.0 2 | 10.0 2 | 15.0 2 | 15.0 2 | 16.0 2 | 15.0 2 | 16.0 2 | 10.0 2 | 11.0 2 | 1.0 2 | 2.0 2 | 21.0 2 | -1.0 2 | 6.0 2 | 5.0 2 | 6.0 2 | 10.0 2 | 24 | 21.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 30 | 30 | 31 | 30 | 30 | 30 | 31 | 31 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 23.0 | 17.0 | 18.0 | 18.0 | 16.0 | 15.0 | 18.0 | 17.0 | 15.0 | 20.0 | 22.0 | 21.0 | 24.0 | 21.0 | 29.0 | 31.0 | 26.0 | 26.0 | 25.0 | 27.0 | 22.0 | 47.0 | 51.0 | 22.0 | | |
| AVG: | 8.39 | 8.55 | 8.68 | 8.87 | 8.39 | 8.55 | 8.42 | 8.37 | 9.97 | 12.27 | 13.17 | 13.03 | 12.77 | 12.40 | 12.70 | 11.32 | 11.26 | 11.13 | 10.61 | 8.48 | 7.68 | 8.68 | 9.94 | 8.90 | | |

MONTHLY OBSERVATIONS: 735 MONTHLY MEAN: 10.09 MONTHLY MAX: 51.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-051-0009 POC: 3
COUNTY: (051) Cumberland
CITY: (22920) Fayetteville
SITE ADDRESS: 4533 RAEFORD RD
SITE COMMENTS: Elevation via GoogleEarth, Space Shuttle Radar Topography using interferometric sy
MONITOR COMMENTS: ID2=601

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (2560) FAYETTEVILLE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.041416
LONGITUDE: -78.953112
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 63
PROBE HEIGHT: 2.38

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: AUGUST 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.0 2 | 9.0 2 | 10.0 2 | 9.0 2 | 5.0 2 | 13.0 2 | 9.0 2 | 6.0 2 | 12.0 2 | 16.0 2 | 10.0 2 | 12.0 2 | 11.0 2 | 9.0 2 | 10.0 2 | 15.0 2 | .0 2 | 8.0 2 | 9.0 2 | 7.0 2 | 9.0 2 | 13.0 2 | 7.0 2 | 10.0 2 | 24 | 16.0 |
| 2 | 7.0 2 | 2.0 2 | 4.0 2 | 1.0 2 | 5.0 2 | 3.0 2 | 4.0 2 | 6.0 2 | 10.0 2 | 5.0 2 | 6.0 2 | 6.0 2 | 14.0 2 | 10.0 2 | 14.0 2 | 12.0 2 | 8.0 2 | 14.0 2 | 12.0 2 | 11.0 2 | 15.0 2 | 2.0 2 | 3.0 2 | 5.0 2 | 24 | 15.0 |
| 3 | 5.0 2 | 4.0 2 | 8.0 2 | 3.0 2 | 6.0 2 | 7.0 2 | 6.0 2 | 7.0 2 | 8.0 2 | 3.0 2 | 7.0 2 | 6.0 2 | 9.0 2 | 11.0 2 | 13.0 2 | 3.0 2 | -4.0 2 | 5.0 2 | 10.0 2 | 2.0 2 | 4.0 2 | 3.0 2 | 6.0 2 | 9.0 2 | 24 | 13.0 |
| 4 | 4.0 2 | 5.0 2 | 7.0 2 | 5.0 2 | 4.0 2 | 7.0 2 | 8.0 2 | 4.0 2 | 3.0 2 | 7.0 2 | 2.0 2 | 6.0 2 | 13.0 2 | 10.0 2 | 6.0 2 | 6.0 2 | 6.0 2 | -5.0 2 | 6.0 2 | 6.0 2 | 6.0 2 | 7.0 2 | 6.0 2 | 5.0 2 | 24 | 13.0 |
| 5 | 8.0 2 | 6.0 2 | 7.0 2 | 8.0 2 | 6.0 2 | 7.0 2 | 6.0 2 | 6.0 2 | 8.0 2 | 10.0 2 | 8.0 2 | 9.0 2 | 7.0 2 | 11.0 2 | AV | AV | -5.0 2 | 11.0 2 | 7.0 2 | 5.0 2 | 13.0 2 | 9.0 2 | 7.0 2 | 10.0 2 | 22 | 13.0 |
| 6 | 10.0 2 | 8.0 2 | 5.0 2 | 11.0 2 | 9.0 2 | 8.0 2 | 13.0 2 | 9.0 2 | 11.0 2 | 14.0 2 | -2.0 2 | -3.0 2 | -4.0 2 | -2.0 2 | 3.0 2 | AN | AN | -8.0MD | -7.0MD | -8.0MD | -8.0MD | -5.0 2 | -4.0 2 | -7.0MD | 22 | 14.0 |
| 7 | -6.0MD | -7.0MD | -6.0MD | -7.0MD | -5.0 2 | -7.0MD | -5.0 2 | -5.0 2 | -4.0 2 | -3.0 2 | 14.0 2 | 14.0 2 | 17.0 2 | 15.0 2 | 16.0 2 | 21.0 2 | 38.0 2 | -4.0 2 | 5.0 2 | 8.0 2 | 5.0 2 | 8.0 2 | 10.0 2 | 10.0 2 | 24 | 38.0 |
| 8 | 9.0 2 | 10.0 2 | 10.0 2 | 8.0 2 | 11.0 2 | 13.0 2 | 6.0 2 | AX | BA | -4.0 2 | 8.0 2 | 15.0 2 | 14.0 2 | 14.0 2 | 14.0 2 | -5.0 2 | 13.0 2 | 13.0 2 | 12.0 2 | 5.0 2 | 6.0 2 | 9.0 2 | 9.0 2 | 7.0 2 | 22 | 15.0 |
| 9 | 7.0 2 | 9.0 2 | 6.0 2 | 10.0 2 | 6.0 2 | 8.0 2 | 7.0 2 | 7.0 2 | AZ | BA | BJ | BJ | BJ | BJ | BJ | BJ | BJ | BJ | BJ | BJ | BJ | BJ | BJ | BJ | 8 | 10.0 |
| 10 | BJ | BJ | BJ | BJ | BJ | BJ | BJ | BJ | BJ | BJ | 16.0 2 | 14.0 2 | 6.0 2 | 6.0 2 | 9.0 2 | 7.0 2 | 11.0 2 | 16.0 2 | 8.0 2 | 9.0 2 | 9.0 2 | 7.0 2 | 8.0 2 | 9.0 2 | 14 | 16.0 |
| 11 | 8.0 2 | 6.0 2 | 6.0 2 | 7.0 2 | 5.0 2 | 6.0 2 | 7.0 2 | 7.0 2 | 6.0 2 | 11.0 2 | 11.0 2 | 6.0 2 | 12.0 2 | 10.0 2 | 6.0 2 | 7.0 2 | 8.0 2 | 6.0 2 | 5.0 2 | 9.0 2 | 9.0 2 | 8.0 2 | 10.0 2 | 7.0 2 | 24 | 12.0 |
| 12 | 7.0 2 | 6.0 2 | 7.0 2 | 8.0 2 | 12.0 2 | 5.0 2 | 4.0 2 | 1.0 2 | 4.0 2 | 10.0 2 | -1.0 2 | 14.0 2 | 5.0 2 | 1.0 2 | -1.0 2 | 8.0 2 | 4.0 2 | 3.0 2 | 5.0 2 | 8.0 2 | 3.0 2 | 2.0 2 | 3.0 2 | 5.0 2 | 24 | 14.0 |
| 13 | 7.0 2 | 5.0 2 | 8.0 2 | 7.0 2 | 3.0 2 | 4.0 2 | 5.0 2 | 8.0 2 | 9.0 2 | 5.0 2 | 10.0 2 | 10.0 2 | 11.0 2 | 9.0 2 | 10.0 2 | 7.0 2 | 9.0 2 | 9.0 2 | 4.0 2 | 13.0 2 | 2.0 2 | 9.0 2 | 10.0 2 | 6.0 2 | 24 | 13.0 |
| 14 | 7.0 2 | 8.0 2 | 11.0 2 | 7.0 2 | 7.0 2 | 5.0 2 | 6.0 2 | 6.0 2 | 8.0 2 | 8.0 2 | 9.0 2 | 9.0 2 | 7.0 2 | 8.0 2 | 8.0 2 | 10.0 2 | 9.0 2 | 7.0 2 | 7.0 2 | 10.0 2 | 3.0 2 | 8.0 2 | 10.0 2 | 8.0 2 | 24 | 11.0 |
| 15 | 6.0 2 | 9.0 2 | 6.0 2 | 4.0 2 | 3.0 2 | 6.0 2 | 5.0 2 | 1.0 2 | 8.0 2 | 8.0 2 | 7.0 2 | 9.0 2 | 8.0 2 | 9.0 2 | 9.0 2 | 9.0 2 | 4.0 2 | 8.0 2 | 10.0 2 | 8.0 2 | 8.0 2 | 6.0 2 | 9.0 2 | 9.0 2 | 24 | 10.0 |
| 16 | 8.0 2 | 5.0 2 | 6.0 2 | 8.0 2 | 6.0 2 | 6.0 2 | 6.0 2 | 1.0 2 | 6.0 2 | 7.0 2 | 8.0 2 | 10.0 2 | 7.0 2 | 6.0 2 | 11.0 2 | 2.0 2 | 6.0 2 | 5.0 2 | 8.0 2 | 7.0 2 | 3.0 2 | 7.0 2 | 8.0 2 | 5.0 2 | 24 | 11.0 |
| 17 | 7.0 2 | 7.0 2 | 3.0 2 | 4.0 2 | 8.0 2 | 8.0 2 | 5.0 2 | 7.0 2 | 7.0 2 | 12.0 2 | 13.0 2 | 11.0 2 | 8.0 2 | 5.0 2 | 4.0 2 | 5.0 2 | 7.0 2 | 10.0 2 | 6.0 2 | 3.0 2 | 6.0 2 | 2.0 2 | 3.0 2 | 4.0 2 | 24 | 13.0 |
| 18 | 5.0 2 | 3.0 2 | 5.0 2 | 5.0 2 | 6.0 2 | 2.0 2 | 4.0 2 | 5.0 2 | 2.0 2 | 10.0 2 | 11.0 2 | 11.0 2 | 13.0 2 | -3.0 2 | -7.0MD | 7.0 2 | 11.0 2 | 8.0 2 | -7.0MD | AN | 5.0 2 | 7.0 2 | 5.0 2 | 4.0 2 | 23 | 13.0 |
| 19 | 5.0 2 | 6.0 2 | 7.0 2 | 5.0 2 | 4.0 2 | 4.0 2 | 7.0 2 | 5.0 2 | 6.0 2 | 5.0 2 | 15.0 2 | 8.0 2 | 12.0 2 | 11.0 2 | 9.0 2 | 6.0 2 | 13.0 2 | 14.0 2 | 13.0 2 | 6.0 2 | 11.0 2 | 4.0 2 | 11.0 2 | 9.0 2 | 24 | 15.0 |
| 20 | 5.0 2 | 8.0 2 | 6.0 2 | 6.0 2 | 8.0 2 | 6.0 2 | 6.0 2 | 10.0 2 | 10.0 2 | 6.0 2 | 13.0 2 | 16.0 2 | 7.0 2 | 13.0 2 | 5.0 2 | .0 2 | 9.0 2 | -5.0 2 | 12.0 2 | 9.0 2 | 7.0 2 | 12.0 2 | 6.0 2 | 7.0 2 | 24 | 16.0 |
| 21 | 6.0 2 | 8.0 2 | 6.0 2 | 12.0 2 | 12.0 2 | 8.0 2 | 9.0 2 | 5.0 2 | 13.0 2 | 11.0 2 | 9.0 2 | 12.0 2 | 12.0 2 | 11.0 2 | 7.0 2 | 10.0 2 | 8.0 2 | 12.0 2 | 9.0 2 | 9.0 2 | -5.0 2 | 5.0 2 | 5.0 2 | 7.0 2 | 24 | 13.0 |
| 22 | 7.0 2 | 7.0 2 | 4.0 2 | 7.0 2 | 6.0 2 | 6.0 2 | 7.0 2 | 4.0 2 | 11.0 2 | 11.0 2 | 6.0 2 | 7.0 2 | 7.0 2 | 13.0 2 | 8.0 2 | 7.0 2 | 9.0 2 | 13.0 2 | 7.0 2 | 13.0 2 | 5.0 2 | 10.0 2 | 11.0 2 | 8.0 2 | 24 | 13.0 |
| 23 | 11.0 2 | 8.0 2 | 8.0 2 | 14.0 2 | 11.0 2 | 14.0 2 | 11.0 2 | 12.0 2 | 15.0 2 | 17.0 2 | 15.0 2 | 16.0 2 | 14.0 2 | 13.0 2 | 12.0 2 | 9.0 2 | 9.0 2 | 13.0 2 | 15.0 2 | 12.0 2 | 10.0 2 | 8.0 2 | 14.0 2 | 7.0 2 | 24 | 17.0 |
| 24 | 9.0 2 | 11.0 2 | 10.0 2 | 9.0 2 | 7.0 2 | 12.0 2 | 12.0 2 | 6.0 2 | 5.0 2 | AX | BA | 8.0 | 10.0 | 5.0 | 10.0 | 9.0 | 8.0 | 7.0 | 6.0 | 9.0 | 7.0 | 10.0 | 13.0 | 14.0 | 22 | 14.0 |
| 25 | 11.0 | 12.0 | 10.0 | 13.0 | 12.0 | 11.0 | 12.0 | 5.0 | 11.0 | 7.0 | 12.0 | 9.0 | 15.0 | 15.0 | 14.0 | 12.0 | 7.0 | 9.0 | 11.0 | 10.0 | 4.0 | 5.0 | 10.0 | 7.0 | 24 | 15.0 |
| 26 | 7.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 2.0 | 6.0 | 1.0 | 12.0 | 21.0 | 19.0 | 17.0 | 15.0 | 12.0 | 14.0 | 12.0 | 12.0 | 9.0 | 11.0 | 11.0 | 14.0 | 16.0 | 11.0 | 24 | 21.0 |
| 27 | 8.0 | 13.0 | 11.0 | 14.0 | 10.0 | 11.0 | 9.0 | 7.0 | 17.0 | 11.0 | 13.0 | 15.0 | 19.0 | 11.0 | 19.0 | 13.0 | 13.0 | 20.0 | 12.0 | 7.0 | 11.0 | 7.0 | 10.0 | 6.0 | 24 | 20.0 |
| 28 | 4.0 | 7.0 | 9.0 | 12.0 | 9.0 | 12.0 | 15.0 | 13.0 | 7.0 | 14.0 | 12.0 | 10.0 | 11.0 | 12.0 | 12.0 | 15.0 | 10.0 | 9.0 | 6.0 | -1.0 | 3.0 | 5.0 | 5.0 | 11.0 | 24 | 15.0 |
| 29 | 8.0 | 4.0 | 8.0 | 8.0 | 12.0 | 10.0 | 7.0 | 8.0 | 6.0 | AV | AV | -2.0 | 8.0 | 9.0 | 7.0 | 4.0 | 10.0 | 9.0 | 3.0 | 8.0 | 10.0 | 4.0 | 5.0 | 3.0 | 22 | 12.0 |
| 30 | 6.0 | 5.0 | 4.0 | 8.0 | 7.0 | 7.0 | 7.0 | 3.0 | 11.0 | 15.0 | 13.0 | 3.0 | 9.0 | 8.0 | 10.0 | 8.0 | 5.0 | 10.0 | 8.0 | 9.0 | 7.0 | 8.0 | 13.0 | 12.0 | 24 | 15.0 |
| 31 | 12.0 | 7.0 | 11.0 | 6.0 | 5.0 | 7.0 | 7.0 | 9.0 | 10.0 | 8.0 | 8.0 | 9.0 | 9.0 | 10.0 | 2.0 | 7.0 | 6.0 | 8.0 | 5.0 | 2.0 | 3.0 | 7.0 | 5.0 | 4.0 | 24 | 12.0 |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 27 | 28 | 30 | 30 | 30 | 29 | 28 | 29 | 30 | 30 | 29 | 30 | 30 | 30 | 30 | | |
| MAX: | 12.0 | 13.0 | 11.0 | 14.0 | 12.0 | 14.0 | 15.0 | 13.0 | 17.0 | 17.0 | 21.0 | 19.0 | 19.0 | 15.0 | 19.0 | 21.0 | 38.0 | 20.0 | 15.0 | 13.0 | 15.0 | 14.0 | 16.0 | 14.0 | | |
| AVG: | 6.90 | 6.47 | 6.70 | 7.20 | 6.80 | 7.10 | 6.90 | 5.83 | 7.89 | 8.74 | 9.79 | 9.63 | 10.27 | 9.17 | 8.69 | 8.14 | 8.41 | 7.90 | 7.20 | 7.14 | 6.07 | 6.70 | 7.80 | 7.07 | | |

MONTHLY OBSERVATIONS: 707 MONTHLY MEAN: 7.68 MONTHLY MAX: 38.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-051-0009 POC: 3
COUNTY: (051) Cumberland
CITY: (22920) Fayetteville
SITE ADDRESS: 4533 RAEFORD RD
SITE COMMENTS: Elevation via GoogleEarth, Space Shuttle Radar Topography using interferometric sy
MONITOR COMMENTS: ID2=601

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (2560) FAYETTEVILLE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.041416
LONGITUDE: -78.953112
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 63
PROBE HEIGHT: 2.38

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: SEPTEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.0 | 5.0 | 4.0 | 4.0 | 6.0 | 7.0 | 6.0 | -1.0 | 5.0 | 8.0 | 5.0 | 3.0 | 11.0 | 8.0 | 6.0 | 10.0 | 4.0 | 2.0 | 11.0 | -1.0 | 11.0 | 9.0 | 11.0 | 9.0 | 24 | 11.0 |
| 2 | 6.0 | 5.0 | 7.0 | 11.0 | 8.0 | 8.0 | 5.0 | 3.0 | 4.0 | 7.0 | 7.0 | 8.0 | 9.0 | 8.0 | 7.0 | 6.0 | 3.0 | 2.0 | 3.0 | 4.0 | 5.0 | 2.0 | 2.0 | 4.0 | 24 | 11.0 |
| 3 | 4.0 | 2.0 | 3.0 | 4.0 | .0 | 5.0 | 4.0 | 4.0 | 3.0 | 4.0 | 10.0 | 6.0 | 4.0 | 4.0 | 10.0 | 7.0 | 11.0 | 6.0 | 6.0 | 10.0 | 5.0 | 3.0 | 5.0 | 7.0 | 24 | 11.0 |
| 4 | 8.0 | 7.0 | 5.0 | 9.0 | 6.0 | 8.0 | 9.0 | 3.0 | 12.0 | 11.0 | 11.0 | 8.0 | 9.0 | 7.0 | 9.0 | 7.0 | 10.0 | 7.0 | 11.0 | 4.0 | 6.0 | 9.0 | 9.0 | 7.0 | 24 | 12.0 |
| 5 | 7.0 | 11.0 | 8.0 | 12.0 | 10.0 | 6.0 | 10.0 | 6.0 | 13.0 | 12.0 | 14.0 | 8.0 | 9.0 | 6.0 | 6.0 | 5.0 | 5.0 | 4.0 | 8.0 | 11.0 | 2.0 | 15.0 | 18.0 | 20.0 | 24 | 20.0 |
| 6 | 14.0 | 15.0 | 13.0 | 15.0 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 4 | 15.0 |
| 7 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | BA | AX | 17.0 | 14.0 | 12.0 | 14.0 | 11.0 | 15.0 | 7.0 | 7.0 | 28.0 | 32.0 | 21.0 | 15.0 | 17.0 | 22.0 | 14 | 32.0 |
| 8 | 23.0 | 16.0 | 14.0 | 16.0 | 16.0 | 16.0 | 18.0 | 11.0 | 18.0 | 18.0 | 18.0 | 17.0 | 12.0 | 13.0 | 11.0 | 10.0 | 12.0 | 13.0 | 11.0 | 12.0 | 13.0 | 13.0 | 15.0 | 15.0 | 24 | 23.0 |
| 9 | 14.0 | 14.0 | 18.0 | 16.0 | 13.0 | 13.0 | 16.0 | 13.0 | 13.0 | 18.0 | 17.0 | 16.0 | 20.0 | 17.0 | 18.0 | 15.0 | 16.0 | 12.0 | 16.0 | 16.0 | 12.0 | 17.0 | 12.0 | 7.0 | 24 | 20.0 |
| 10 | 10.0 | 12.0 | 12.0 | 9.0 | 4.0 | 10.0 | 5.0 | 7.0 | 8.0 | 15.0 | 3.0 | 15.0 | 16.0 | 16.0 | 18.0 | 18.0 | 16.0 | 16.0 | 13.0 | 15.0 | 14.0 | 12.0 | 10.0 | 8.0 | 24 | 18.0 |
| 11 | 11.0 | 9.0 | 12.0 | 12.0 | 7.0 | 9.0 | 9.0 | 6.0 | 9.0 | 12.0 | 14.0 | 16.0 | 17.0 | 16.0 | 22.0 | 16.0 | 22.0 | 13.0 | 22.0 | 20.0 | 14.0 | 11.0 | 13.0 | 10.0 | 24 | 22.0 |
| 12 | 6.0 | 10.0 | 11.0 | 12.0 | 11.0 | 10.0 | 13.0 | 11.0 | 10.0 | .0 | 14.0 | 11.0 | 13.0 | 8.0 | 9.0 | 10.0 | 9.0 | 12.0 | 9.0 | 9.0 | 10.0 | 14.0 | 10.0 | 8.0 | 24 | 14.0 |
| 13 | 12.0 | 7.0 | 8.0 | 8.0 | 11.0 | 10.0 | 6.0 | 9.0 | 7.0 | 12.0 | 9.0 | 12.0 | 7.0 | 9.0 | 6.0 | 6.0 | 7.0 | 4.0 | 6.0 | 7.0 | 3.0 | 12.0 | 9.0 | 4.0 | 24 | 12.0 |
| 14 | 4.0 | 7.0 | 4.0 | 5.0 | 6.0 | 8.0 | 6.0 | 3.0 | 9.0 | 9.0 | 7.0 | 11.0 | 8.0 | 6.0 | .0 | 11.0 | 4.0 | 7.0 | 10.0 | 2.0 | 6.0 | 2.0 | 3.0 | 2.0 | 24 | 11.0 |
| 15 | 3.0 | 2.0 | 4.0 | 2.0 | 3.0 | 2.0 | 5.0 | 1.0 | 5.0 | 6.0 | 6.0 | 6.0 | 7.0 | 4.0 | 7.0 | 10.0 | 9.0 | 10.0 | 10.0 | 7.0 | 9.0 | 14.0 | 11.0 | 10.0 | 24 | 14.0 |
| 16 | 14.0 | 8.0 | 7.0 | 9.0 | 8.0 | 10.0 | 6.0 | 10.0 | 7.0 | 10.0 | 13.0 | 11.0 | 8.0 | 5.0 | 11.0 | 12.0 | 10.0 | 9.0 | 5.0 | 7.0 | 7.0 | 6.0 | 6.0 | 7.0 | 24 | 14.0 |
| 17 | 5.0 | 3.0 | 4.0 | 3.0 | 7.0 | 3.0 | 3.0 | 5.0 | 4.0 | 3.0 | 8.0 | 3.0 | 13.0 | 9.0 | 6.0 | 10.0 | 9.0 | 10.0 | 2.0 | 4.0 | 4.0 | 6.0 | 6.0 | 3.0 | 24 | 13.0 |
| 18 | 4.0 | 5.0 | 5.0 | 7.0 | 4.0 | 4.0 | 4.0 | 4.0 | -4.0 | 5.0 | 25.0 | 1.0 | 3.0 | 2.0 | 7.0 | .0 | 3.0 | .0 | 3.0 | 2.0 | 5.0 | 1.0 | 6.0 | 7.0 | 24 | 25.0 |
| 19 | 4.0 | 2.0 | 4.0 | 4.0 | 3.0 | 7.0 | 1.0 | 3.0 | 7.0 | 9.0 | .0 | 4.0 | 26.0 | -5.0 | -3.0 | 2.0 | 4.0 | 5.0 | 3.0 | 3.0 | 5.0 | 3.0 | -1.0 | 2.0 | 24 | 26.0 |
| 20 | 3.0 | 1.0 | 2.0 | 4.0 | .0 | 2.0 | 2.0 | 2.0 | 4.0 | 1.0 | 4.0 | -3.0 | 1.0 | 6.0 | 4.0 | 8.0 | 3.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 4.0 | 4.0 | 24 | 8.0 |
| 21 | 7.0 | 2.0 | 5.0 | 7.0 | 1.0 | 1.0 | 1.0 | .0 | -1.0 | .0 | .0 | -2.0 | AX | BA | 5.0 | -4.0 | 2.0 | 1.0 | 1.0 | 1.0 | -2.0 | .0 | 1.0 | .0 | 22 | 7.0 |
| 22 | 4.0 | -2.0 | 3.0 | 2.0 | -1.0 | 1.0 | -1.0 | 4.0 | -1.0 | 2.0 | 4.0 | 10.0 | -5.0 | 5.0 | 2.0 | 7.0 | 5.0 | 3.0 | 3.0 | 2.0 | 5.0 | 3.0 | 4.0 | .0 | 24 | 10.0 |
| 23 | 1.0 | 2.0 | 2.0 | -1.0 | 6.0 | 5.0 | 3.0 | 4.0 | 4.0 | 5.0 | 5.0 | 3.0 | 6.0 | 4.0 | 10.0 | 6.0 | 4.0 | 11.0 | 10.0 | 1.0 | 4.0 | 7.0 | 8.0 | 6.0 | 24 | 11.0 |
| 24 | 7.0 | 5.0 | 7.0 | 7.0 | 8.0 | 3.0 | 5.0 | 4.0 | 10.0 | 7.0 | 9.0 | 9.0 | 4.0 | 7.0 | 13.0 | 9.0 | 11.0 | 11.0 | 13.0 | 8.0 | 11.0 | 14.0 | 18.0 | 15.0 | 24 | 18.0 |
| 25 | 16.0 | 16.0 | 19.0 | 18.0 | 20.0 | 17.0 | 20.0 | 19.0 | 18.0 | 19.0 | 18.0 | 13.0 | 17.0 | 15.0 | 18.0 | 15.0 | 14.0 | 11.0 | 12.0 | 10.0 | 5.0 | 3.0 | 6.0 | 5.0 | 24 | 20.0 |
| 26 | 5.0 | 6.0 | 3.0 | 3.0 | 4.0 | 5.0 | 1.0 | 2.0 | 2.0 | -1.0 | 8.0 | 5.0 | 10.0 | 7.0 | 13.0 | 16.0 | 6.0 | 9.0 | 9.0 | 5.0 | 9.0 | 10.0 | 9.0 | 9.0 | 24 | 16.0 |
| 27 | 8.0 | 7.0 | 9.0 | 7.0 | 5.0 | 5.0 | 5.0 | 9.0 | 2.0 | 8.0 | 4.0 | 5.0 | 2.0 | 7.0 | 7.0 | 11.0 | 8.0 | 4.0 | 4.0 | 6.0 | 3.0 | 2.0 | 4.0 | 8.0 | 24 | 11.0 |
| 28 | 9.0 | 3.0 | -2.0 | 2.0 | 4.0 | 5.0 | 7.0 | 1.0 | 6.0 | 10.0 | 3.0 | 12.0 | 7.0 | 10.0 | 9.0 | 10.0 | 5.0 | 2.0 | 4.0 | 1.0 | 4.0 | 5.0 | 2.0 | 6.0 | 24 | 12.0 |
| 29 | 6.0 | 1.0 | 2.0 | 5.0 | 1.0 | -2.0 | -1.0 | .0 | 1.0 | 2.0 | -3.0 | 7.0 | 5.0 | 3.0 | 1.0 | 6.0 | 3.0 | 2.0 | 6.0 | 3.0 | 6.0 | 5.0 | 6.0 | 6.0 | 24 | 7.0 |
| 30 | 6.0 | 2.0 | 7.0 | 6.0 | 4.0 | 7.0 | 6.0 | 9.0 | 6.0 | 7.0 | 6.0 | 8.0 | 6.0 | 8.0 | 15.0 | 4.0 | -3.0 | 9.0 | 7.0 | 4.0 | 4.0 | 7.0 | 7.0 | 6.0 | 24 | 15.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 29 | 29 | 29 | 29 | 28 | 28 | 28 | 28 | 28 | 28 | 29 | 29 | 28 | 28 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | | |
| MAX: | 23.0 | 16.0 | 19.0 | 18.0 | 20.0 | 17.0 | 20.0 | 19.0 | 18.0 | 19.0 | 25.0 | 17.0 | 26.0 | 17.0 | 22.0 | 18.0 | 22.0 | 16.0 | 28.0 | 32.0 | 21.0 | 17.0 | 18.0 | 22.0 | | |
| AVG: | 7.76 | 6.31 | 6.90 | 7.52 | 6.25 | 6.61 | 6.21 | 5.43 | 6.46 | 7.82 | 8.83 | 8.17 | 9.18 | 7.82 | 8.90 | 8.90 | 7.55 | 7.10 | 8.62 | 7.17 | 7.03 | 7.66 | 7.97 | 7.48 | | |

MONTHLY OBSERVATIONS: 688 MONTHLY MEAN: 7.49 MONTHLY MAX: 32.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-051-0009 POC: 3
COUNTY: (051) Cumberland
CITY: (22920) Fayetteville
SITE ADDRESS: 4533 RAEFORD RD
SITE COMMENTS: Elevation via GoogleEarth, Space Shuttle Radar Topography using interferometric SY
MONITOR COMMENTS: ID2=601

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (2560) FAYETTEVILLE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.041416
LONGITUDE: -78.953112
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 63
PROBE HEIGHT: 2.38

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: OCTOBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.0 | 8.0 | 6.0 | 7.0 | 6.0 | 7.0 | 8.0 | 4.0 | 2.0 | 7.0 | 10.0 | 13.0 | 7.0 | 10.0 | 10.0 | 9.0 | 10.0 | 11.0 | 16.0 | 11.0 | 10.0 | 12.0 | 13.0 | 10.0 | 24 | 16.0 |
| 2 | 10.0 | 13.0 | 14.0 | 10.0 | 11.0 | 7.0 | 10.0 | 9.0 | 12.0 | 17.0 | 17.0 | 15.0 | 5.0 | 4.0 | 6.0 | 2.0 | 6.0 | 7.0 | 6.0 | 3.0 | 7.0 | 13.0 | 8.0 | 13.0 | 24 | 17.0 |
| 3 | 9.0 | 12.0 | 12.0 | 13.0 | 16.0 | 10.0 | 11.0 | 8.0 | 13.0 | 11.0 | 13.0 | 16.0 | 7.0 | 13.0 | 6.0 | 8.0 | 6.0 | 8.0 | 9.0 | 6.0 | 7.0 | 4.0 | 8.0 | 10.0 | 24 | 16.0 |
| 4 | 9.0 | 14.0 | 14.0 | 13.0 | 8.0 | 10.0 | 7.0 | 8.0 | 12.0 | 8.0 | 15.0 | 10.0 | 9.0 | 6.0 | 5.0 | 6.0 | 8.0 | 9.0 | 7.0 | 1.0 | 6.0 | 9.0 | 5.0 | 9.0 | 24 | 15.0 |
| 5 | 4.0 | 6.0 | 6.0 | 3.0 | 3.0 | 2.0 | 5.0 | 6.0 | 6.0 | 5.0 | 8.0 | 7.0 | 7.0 | 3.0 | 4.0 | 2.0 | 2.0 | 9.0 | 4.0 | 4.0 | 4.0 | 8.0 | 7.0 | 5.0 | 24 | 9.0 |
| 6 | 7.0 | 5.0 | 7.0 | 4.0 | 5.0 | 1.0 | 9.0 | 2.0 | 2.0 | 10.0 | AX | BA | 11.0 | 6.0 | 6.0 | 5.0 | 6.0 | 6.0 | 6.0 | 4.0 | 6.0 | 3.0 | 3.0 | -1.0 | 22 | 11.0 |
| 7 | 6.0 | .0 | .0 | 1.0 | 2.0 | 2.0 | -3.0 | .0 | 1.0 | 4.0 | 9.0 | .0 | 5.0 | 9.0 | 5.0 | 5.0 | 5.0 | 1.0 | 2.0 | 1.0 | .0 | 1.0 | 1.0 | -1.0 | 24 | 9.0 |
| 8 | 3.0 | -1.0 | -2.0 | -1.0 | -1.0 | 1.0 | 1.0 | .0 | .0 | -3.0 | 1.0 | -3.0 | 1.0 | -1.0 | -1.0 | -2.0 | 2.0 | 1.0 | -3.0 | -1.0 | 6.0 | .0 | 3.0 | -2.0 | 24 | 6.0 |
| 9 | -2.0 | -1.0 | 2.0 | -1.0 | -1.0 | 1.0 | 4.0 | .0 | -2.0 | 1.0 | .0 | 3.0 | 1.0 | 4.0 | 3.0 | 3.0 | 5.0 | 1.0 | 3.0 | 4.0 | 9.0 | -2.0 | 2.0 | 2.0 | 24 | 9.0 |
| 10 | 1.0 | 2.0 | 2.0 | 5.0 | 3.0 | -1.0 | 7.0 | 1.0 | .0 | 5.0 | 2.0 | 7.0 | .0 | 3.0 | 3.0 | 6.0 | 4.0 | 1.0 | 12.0 | 5.0 | 3.0 | 6.0 | 6.0 | 8.0 | 24 | 12.0 |
| 11 | 4.0 | 7.0 | 9.0 | 9.0 | 8.0 | 5.0 | 5.0 | 3.0 | 3.0 | .0 | 3.0 | 5.0 | 5.0 | 3.0 | 6.0 | 5.0 | 5.0 | 6.0 | 8.0 | 5.0 | 9.0 | 6.0 | 10.0 | 6.0 | 24 | 10.0 |
| 12 | 8.0 | 11.0 | 7.0 | 7.0 | 8.0 | 7.0 | 8.0 | 2.0 | 4.0 | 4.0 | 6.0 | 6.0 | 5.0 | 1.0 | 3.0 | 7.0 | 10.0 | -4.0 | 4.0 | 2.0 | 7.0 | 6.0 | 8.0 | 5.0 | 24 | 11.0 |
| 13 | 7.0 | 7.0 | 12.0 | 8.0 | 7.0 | 9.0 | 8.0 | 5.0 | 7.0 | 6.0 | 15.0 | 8.0 | 11.0 | 10.0 | 7.0 | 9.0 | 6.0 | 8.0 | 11.0 | 12.0 | 13.0 | 11.0 | 17.0 | 18.0 | 24 | 18.0 |
| 14 | 15.0 | 12.0 | 6.0 | 6.0 | 8.0 | 7.0 | 6.0 | 6.0 | 2.0 | 7.0 | 6.0 | 10.0 | 10.0 | 11.0 | 9.0 | 2.0 | 6.0 | 6.0 | 8.0 | 6.0 | 7.0 | 9.0 | 9.0 | 11.0 | 24 | 15.0 |
| 15 | 4.0 | 7.0 | 9.0 | 10.0 | 6.0 | 6.0 | 3.0 | 2.0 | 4.0 | 2.0 | 6.0 | 7.0 | 2.0 | 7.0 | 9.0 | 12.0 | 8.0 | 8.0 | 9.0 | 3.0 | 7.0 | 11.0 | 11.0 | 10.0 | 24 | 12.0 |
| 16 | 12.0 | 7.0 | 8.0 | 8.0 | 5.0 | 8.0 | 8.0 | 11.0 | 4.0 | 11.0 | 9.0 | 9.0 | 3.0 | 7.0 | 8.0 | 8.0 | 8.0 | 5.0 | 11.0 | 5.0 | 6.0 | 12.0 | 18.0 | 20.0 | 24 | 20.0 |
| 17 | 18.0 | 19.0 | 15.0 | 17.0 | 13.0 | 12.0 | 13.0 | 9.0 | 9.0 | 11.0 | 9.0 | 12.0 | 6.0 | 9.0 | 5.0 | 6.0 | 9.0 | 8.0 | 10.0 | 8.0 | 11.0 | 15.0 | 14.0 | 13.0 | 24 | 19.0 |
| 18 | 8.0 | 6.0 | 4.0 | 5.0 | 7.0 | 3.0 | 6.0 | 7.0 | 8.0 | 8.0 | 6.0 | 10.0 | 8.0 | 8.0 | 9.0 | 4.0 | 6.0 | 6.0 | 8.0 | 7.0 | 9.0 | 14.0 | 9.0 | 8.0 | 24 | 14.0 |
| 19 | 9.0 | 7.0 | 8.0 | 6.0 | 7.0 | 3.0 | 8.0 | 9.0 | 4.0 | 12.0 | 11.0 | 11.0 | 14.0 | AX | BA | 17.0 | 11.0 | 7.0 | 14.0 | 15.0 | 23.0 | 19.0 | 17.0 | 14.0 | 22 | 23.0 |
| 20 | 10.0 | 11.0 | 8.0 | 13.0 | 11.0 | 11.0 | 7.0 | 10.0 | 12.0 | 14.0 | 16.0 | 17.0 | 12.0 | 9.0 | 12.0 | 2.0 | 13.0 | 6.0 | 10.0 | 9.0 | 11.0 | 8.0 | 7.0 | 12.0 | 24 | 17.0 |
| 21 | 11.0 | 9.0 | 6.0 | 7.0 | 8.0 | 5.0 | 5.0 | 8.0 | 2.0 | 4.0 | 7.0 | 15.0 | 11.0 | 7.0 | 11.0 | 11.0 | 4.0 | 2.0 | 1.0 | 2.0 | 5.0 | 2.0 | -1.0 | 3.0 | 24 | 15.0 |
| 22 | -1.0 | -1.0 | 3.0 | .0 | -1.0 | .0 | 1.0 | -2.0 | .0 | 3.0 | 2.0 | 4.0 | 5.0 | 4.0 | .0 | 1.0 | 6.0 | 1.0 | 2.0 | 3.0 | 2.0 | 7.0 | 8.0 | 7.0 | 24 | 8.0 |
| 23 | 12.0 | 8.0 | 6.0 | 16.0 | 7.0 | 5.0 | 3.0 | 3.0 | .0 | 6.0 | 3.0 | 5.0 | 2.0 | 7.0 | 6.0 | 5.0 | 3.0 | 4.0 | 5.0 | 8.0 | 15.0 | 13.0 | 11.0 | 7.0 | 24 | 16.0 |
| 24 | 6.0 | 8.0 | 1.0 | 7.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.0 | AX | BA | BC | 13.0 | 10.0 | 12.0 | 18.0 | 13.0 | 13.0 | 12.0 | 16.0 | 15.0 | 11.0 | 21 | 18.0 |
| 25 | 5.0 | 8.0 | 9.0 | 10.0 | 5.0 | 10.0 | 9.0 | 5.0 | 6.0 | 4.0 | 7.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 7.0 | 6.0 | 7.0 | 1.0 | 7.0 | 7.0 | 6.0 | 9.0 | 24 | 10.0 |
| 26 | 7.0 | 9.0 | 10.0 | 8.0 | 9.0 | 10.0 | 7.0 | 11.0 | .0 | 16.0 | 7.0 | 13.0 | 1.0 | 7.0 | 8.0 | 5.0 | 6.0 | 5.0 | 6.0 | 4.0 | 6.0 | 10.0 | 9.0 | 6.0 | 24 | 16.0 |
| 27 | 8.0 | 11.0 | 9.0 | 8.0 | 8.0 | 9.0 | 5.0 | 10.0 | 5.0 | 12.0 | 7.0 | 11.0 | 6.0 | 4.0 | 4.0 | 4.0 | 4.0 | 6.0 | 6.0 | 5.0 | 5.0 | 9.0 | 9.0 | 2.0 | 24 | 12.0 |
| 28 | 7.0 | 9.0 | 6.0 | 7.0 | 5.0 | 6.0 | 6.0 | 7.0 | 5.0 | 10.0 | 13.0 | 10.0 | 13.0 | 9.0 | 2.0 | 5.0 | 7.0 | 11.0 | 6.0 | 6.0 | 6.0 | 5.0 | 11.0 | 12.0 | 24 | 13.0 |
| 29 | 10.0 | 12.0 | 11.0 | 9.0 | 11.0 | 8.0 | 8.0 | 18.0 | 4.0 | 14.0 | 13.0 | 11.0 | 11.0 | 10.0 | 7.0 | 10.0 | 8.0 | 10.0 | 14.0 | 14.0 | 18.0 | 16.0 | 11.0 | 8.0 | 24 | 18.0 |
| 30 | 12.0 | 9.0 | 12.0 | 17.0 | 14.0 | 15.0 | 12.0 | 14.0 | 8.0 | 13.0 | 15.0 | 14.0 | 14.0 | 13.0 | 12.0 | 20.0 | 12.0 | 12.0 | 15.0 | 11.0 | 15.0 | 19.0 | 23.0 | 24.0 | 24 | 24.0 |
| 31 | 22.0 | 20.0 | 19.0 | 19.0 | 17.0 | 18.0 | 16.0 | 15.0 | 8.0 | 12.0 | 11.0 | 7.0 | 5.0 | 8.0 | 9.0 | 6.0 | 5.0 | 5.0 | 5.0 | 8.0 | 9.0 | 10.0 | 9.0 | 7.0 | 24 | 22.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 30 | 29 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 22.0 | 20.0 | 19.0 | 19.0 | 17.0 | 18.0 | 16.0 | 18.0 | 13.0 | 17.0 | 17.0 | 17.0 | 14.0 | 13.0 | 13.0 | 20.0 | 13.0 | 18.0 | 16.0 | 15.0 | 23.0 | 19.0 | 23.0 | 24.0 | | |
| AVG: | 8.06 | 8.19 | 7.71 | 8.10 | 7.10 | 6.52 | 6.71 | 6.32 | 4.71 | 7.71 | 8.37 | 8.90 | 6.70 | 6.69 | 6.33 | 6.29 | 6.77 | 6.13 | 7.58 | 5.97 | 8.42 | 9.00 | 9.26 | 8.58 | | |

MONTHLY OBSERVATIONS: 737 MONTHLY MEAN: 7.34 MONTHLY MAX: 24.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-051-0009 POC: 3
COUNTY: (051) Cumberland
CITY: (22920) Fayetteville
SITE ADDRESS: 4533 RAEFORD RD
SITE COMMENTS: Elevation via GoogleEarth, Space Shuttle Radar Topography using interferometric sy
MONITOR COMMENTS: ID2=601

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (2560) FAYETTEVILLE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.041416
LONGITUDE: -78.953112
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 63
PROBE HEIGHT: 2.38

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: NOVEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.0 | 9.0 | 5.0 | 3.0 | 1.0 | 4.0 | .0 | 3.0 | 3.0 | 4.0 | -5.0 | 14.0 | 4.0 | 10.0 | 2.0 | 2.0 | 5.0 | 5.0 | 9.0 | 5.0 | 5.0 | 7.0 | 7.0 | 4.0 | 24 | 14.0 |
| 2 | 5.0 | 12.0 | 14.0 | 10.0 | 10.0 | 10.0 | 11.0 | 11.0 | 5.0 | 12.0 | 10.0 | 9.0 | 12.0 | 13.0 | 15.0 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 15 | 15.0 |
| 3 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 4 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AX | BA | 11.0 | 4.0 | .0 | 5.0 | 1.0 | 1.0 | .0 | 1.0 | 4.0 | 2.0 | 7.0 | 4.0 | 12 | 11.0 |
| 5 | 3.0 | 6.0 | 7.0 | 5.0 | 9.0 | 7.0 | 8.0 | 7.0 | 2.0 | 6.0 | 6.0 | 3.0 | 3.0 | 2.0 | 6.0 | 5.0 | 6.0 | 2.0 | 6.0 | 3.0 | 10.0 | 16.0 | 17.0 | 24.0 | 24 | 24.0 |
| 6 | 30.0IT | 30.0IT | 16.0IT | 20.0IT | 15.0IT | 14.0IT | 10.0IT | 12.0IT | 4.0IT | 15.0IT | 16.0IT | 10.0IT | 9.0IT | 9.0IT | 4.0IT | 6.0IT | 7.0IT | 6.0IT | 14.0IT | 6.0IT | 12.0IT | 12.0IT | 16.0IT | 13.0IT | 24 | 30.0 |
| 7 | 13.0 | 7.0 | 9.0 | 8.0 | 8.0 | 9.0 | 7.0 | 8.0 | -4.0 | 7.0 | 6.0 | 1.0 | 1.0 | 2.0 | 4.0 | 4.0 | .0 | 2.0 | 1.0 | -1.0 | 5.0 | 6.0 | 8.0 | 8.0 | 24 | 13.0 |
| 8 | 8.0 | 6.0 | 10.0 | 9.0 | 4.0 | 7.0 | 8.0 | 4.0 | -2.0 | 8.0 | 9.0 | 5.0 | 4.0 | 6.0 | 5.0 | 7.0 | 6.0 | 7.0 | 7.0 | 11.0 | 9.0 | 12.0 | 11.0 | 17.0 | 24 | 17.0 |
| 9 | 14.0 | 16.0 | 18.0 | 12.0 | 10.0 | 7.0 | 11.0 | 12.0 | 10.0 | 14.0 | 11.0 | 9.0 | 19.0 | 33.0 | 29.0 | 24.0 | 10.0 | 5.0 | 1.0 | 3.0 | 3.0 | 5.0 | 3.0 | 3.0 | 24 | 33.0 |
| 10 | 1.0 | 5.0 | 2.0 | 3.0 | 3.0 | 3.0 | 2.0 | 3.0 | -3.0 | 2.0 | 4.0 | 4.0 | 5.0 | 3.0 | 3.0 | 3.0 | 5.0 | 3.0 | 8.0 | 4.0 | 21.0 | 21.0 | 28.0 | 20.0 | 24 | 28.0 |
| 11 | 22.0 | 16.0 | 13.0 | 12.0 | 10.0 | 11.0 | 15.0 | 18.0 | 11.0 | 24.0 | 26.0 | 16.0 | 12.0 | 7.0 | 2.0 | 6.0 | 10.0 | 7.0 | 5.0 | 8.0 | 7.0 | 8.0 | 8.0 | 11.0 | 24 | 26.0 |
| 12 | 6.0 | 8.0 | 6.0 | 5.0 | 5.0 | 5.0 | 2.0 | 2.0 | -2.0 | 7.0 | 4.0 | 5.0 | 4.0 | 4.0 | 5.0 | 2.0 | -2.0 | .0 | 3.0 | 3.0 | 8.0 | 8.0 | 13.0 | 14.0 | 24 | 14.0 |
| 13 | 17.0 | 16.0 | 12.0 | 11.0 | 10.0 | 10.0 | 9.0 | 12.0 | 4.0 | 13.0 | 7.0 | 6.0 | 8.0 | 5.0 | 11.0 | 7.0 | 8.0 | 15.0 | 12.0 | 12.0 | 14.0 | 5.0 | 7.0 | 3.0 | 24 | 17.0 |
| 14 | 4.0 | 4.0 | 3.0 | .0 | 2.0 | 7.0 | 5.0 | 8.0 | 8.0 | 8.0 | 8.0 | 6.0 | 10.0 | 9.0 | 6.0 | 9.0 | 11.0 | 13.0 | 8.0 | 15.0 | 16.0 | 11.0 | 15.0 | 13.0 | 24 | 16.0 |
| 15 | 12.0IT | 13.0IT | 8.0IT | 8.0IT | 9.0IT | 2.0IT | 5.0IT | 5.0IT | 4.0IT | 6.0IT | 11.0IT | 3.0IT | 9.0IT | 9.0IT | 15.0IT | 24.0IT | 21.0IT | 24.0IT | 24.0IT | 28.0IT | 34.0IT | 29.0IT | 37.0IT | 35.0IT | 24 | 37.0 |
| 16 | 39.0IT | 34.0IT | 30.0IT | 27.0IT | 33.0IT | 29.0IT | 27.0IT | 32.0IT | 30.0IT | 31.0IT | 23.0IT | 22.0IT | 14.0IT | 16.0IT | 21.0IT | AX | BA | 18.0IT | 15.0IT | 16.0IT | 20.0IT | 22.0IT | 38.0IT | 32.0IT | 22 | 39.0 |
| 17 | 25.0IT | 24.0IT | 27.0IT | 34.0IT | 35.0IT | 32.0IT | 26.0IT | 25.0IT | 18.0IT | 19.0IT | 17.0IT | 20.0IT | 17.0IT | 16.0IT | 13.0IT | 13.0IT | 10.0IT | 9.0IT | 8.0IT | 9.0IT | 16.0IT | 23.0IT | 28.0IT | 23.0IT | 24 | 35.0 |
| 18 | 27.0IT | 28.0IT | 20.0IT | 21.0IT | 19.0IT | 19.0IT | 17.0IT | 18.0IT | 12.0IT | 17.0IT | 21.0IT | 25.0IT | 22.0IT | 24.0IT | 29.0IT | 27.0IT | 26.0IT | 29.0IT | 24.0IT | 27.0IT | 28.0IT | 46.0IT | 38.0IT | 49.0IT | 24 | 49.0 |
| 19 | 63.0IT | 40.0IT | 36.0IT | 29.0IT | 29.0IT | 27.0IT | 28.0IT | 29.0IT | 30.0IT | 32.0IT | 26.0IT | 27.0IT | 22.0IT | 14.0IT | 15.0IT | 13.0IT | 13.0IT | -3.0IT | 1.0IT | 1.0IT | 1.0IT | 4.0IT | 1.0IT | 2.0IT | 24 | 63.0 |
| 20 | 5.0 | 4.0 | -1.0 | 4.0 | 4.0 | 2.0 | 2.0 | 5.0 | 2.0 | 7.0 | 7.0 | 4.0 | 4.0 | 4.0 | 4.0 | 6.0 | 5.0 | 3.0 | 4.0 | 10.0 | 18.0 | 12.0 | 9.0 | 6.0 | 24 | 18.0 |
| 21 | 7.0 | 11.0 | 15.0 | 17.0 | 10.0 | 16.0 | 21.0 | 8.0 | 3.0 | 5.0 | 7.0 | 6.0 | 2.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 5.0 | 10.0 | 13.0 | 18.0 | 20.0 | 7.0 | 24 | 21.0 |
| 22 | 6.0 | 5.0 | 6.0 | 2.0 | 4.0 | 1.0 | 5.0 | 2.0 | 1.0 | 5.0 | 5.0 | 2.0 | 4.0 | 6.0 | 4.0 | 5.0 | 3.0 | 5.0 | 4.0 | 9.0 | 11.0 | 15.0 | 17.0 | 21.0 | 24 | 21.0 |
| 23 | 32.0IT | 25.0IT | 22.0IT | 22.0IT | 18.0IT | 16.0IT | 14.0IT | 17.0IT | 12.0IT | 13.0IT | 19.0IT | 18.0IT | 12.0IT | 13.0IT | 9.0IT | 9.0IT | 6.0IT | 11.0IT | 7.0IT | 19.0IT | 18.0IT | 25.0IT | 17.0IT | 18.0IT | 24 | 32.0 |
| 24 | 16.0IT | 17.0IT | 17.0IT | 10.0IT | 10.0IT | 10.0IT | 17.0IT | 12.0IT | 13.0IT | 21.0IT | 18.0IT | 17.0IT | 14.0IT | 11.0IT | 10.0IT | 9.0IT | 9.0IT | 7.0IT | 10.0IT | 9.0IT | 11.0IT | 17.0IT | 17.0IT | 20.0IT | 24 | 21.0 |
| 25 | 33.0IT | 34.0IT | 27.0IT | 25.0IT | 23.0IT | 25.0IT | 23.0IT | 21.0IT | 16.0IT | 17.0IT | 17.0IT | 18.0IT | 12.0IT | 21.0IT | 12.0IT | 19.0IT | 20.0IT | 12.0IT | 20.0IT | 20.0IT | 26.0IT | 32.0IT | 25.0IT | 17.0IT | 24 | 34.0 |
| 26 | 16.0 | 13.0 | 23.0 | 16.0 | 10.0 | 6.0 | 8.0 | 6.0 | 7.0 | 10.0 | 13.0 | 8.0 | 6.0 | 6.0 | 5.0 | 6.0 | 5.0 | 4.0 | 7.0 | 9.0 | 2.0 | 5.0 | 6.0 | 6.0 | 24 | 23.0 |
| 27 | 6.0 | 2.0 | 5.0 | 7.0 | 9.0 | 7.0 | 12.0 | 4.0 | 2.0 | 5.0 | 11.0 | 8.0 | 9.0 | 4.0 | 4.0 | 7.0 | 4.0 | 5.0 | 3.0 | 6.0 | 12.0 | 14.0 | 14.0 | 14.0 | 24 | 14.0 |
| 28 | 20.0 | 21.0 | 17.0 | 15.0 | 17.0 | 18.0 | 13.0 | 17.0 | 10.0 | 12.0 | 16.0 | 11.0 | 9.0 | 8.0 | 3.0 | 9.0 | 5.0 | 8.0 | 13.0 | 11.0 | 7.0 | 6.0 | 6.0 | 6.0 | 24 | 21.0 |
| 29 | 5.0 | 4.0 | 8.0 | 4.0 | 6.0 | 7.0 | 5.0 | 6.0 | 6.0 | 6.0 | 8.0 | 6.0 | 7.0 | 5.0 | 7.0 | 10.0 | 10.0 | 2.0 | 9.0 | 8.0 | 2.0 | 3.0 | 5.0 | 4.0 | 24 | 10.0 |
| 30 | 6.0 | 8.0 | 8.0 | 3.0 | 4.0 | 5.0 | 6.0 | 5.0 | 6.0 | 6.0 | AX | BA | 7.0 | 8.0 | 11.0 | 7.0 | 8.0 | 9.0 | 11.0 | 8.0 | 9.0 | 4.0 | 4.0 | 1.0 | 22 | 11.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 27 | 27 | 29 | 29 | 29 | 27 | 27 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | | |
| MAX: | 63.0 | 40.0 | 36.0 | 34.0 | 35.0 | 32.0 | 28.0 | 32.0 | 30.0 | 32.0 | 26.0 | 27.0 | 22.0 | 33.0 | 29.0 | 27.0 | 26.0 | 29.0 | 24.0 | 28.0 | 34.0 | 46.0 | 38.0 | 49.0 | | |
| AVG: | 16.00 | 14.93 | 13.68 | 12.21 | 11.68 | 11.29 | 11.32 | 11.14 | 7.43 | 11.86 | 11.89 | 10.48 | 9.38 | 9.48 | 8.86 | 9.15 | 8.00 | 7.68 | 8.54 | 9.64 | 12.21 | 13.86 | 15.07 | 14.11 | | |

MONTHLY OBSERVATIONS: 671 MONTHLY MEAN: 11.24 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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-051-0009 POC: 3
COUNTY: (051) Cumberland
CITY: (22920) Fayetteville
SITE ADDRESS: 4533 RAEFORD RD
SITE COMMENTS: Elevation via GoogleEarth, Space Shuttle Radar Topography using interferometric sy
MONITOR COMMENTS: ID2=601

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (2560) FAYETTEVILLE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.041416
LONGITUDE: -78.953112
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 63
PROBE HEIGHT: 2.38

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: DECEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.0 | 7.0 | 4.0 | 7.0 | 6.0 | 6.0 | 4.0 | 2.0 | 4.0 | 4.0 | 5.0 | 10.0 | 7.0 | 6.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 10.0 | 9.0 | 12.0 | 9.0 | 10.0 | 24 | 12.0 |
| 2 | 3.0 | 11.0 | 4.0 | 7.0 | 3.0 | 5.0 | 3.0 | 6.0 | .0 | 7.0 | 6.0 | 8.0 | 3.0 | 1.0 | 1.0 | 4.0 | 2.0 | 2.0 | 2.0 | 32.0 | 35.0 | 17.0 | 21.0 | 13.0 | 24 | 35.0 |
| 3 | 11.0 | 10.0 | 8.0 | 6.0 | 5.0 | 3.0 | 8.0 | 7.0 | 1.0 | 7.0 | 8.0 | 5.0 | 7.0 | 4.0 | 4.0 | 8.0 | 9.0 | 8.0 | 2.0 | 7.0 | 8.0 | 18.0 | 16.0 | 14.0 | 24 | 18.0 |
| 4 | 14.0 | 13.0 | 10.0 | 11.0 | 11.0 | 9.0 | 12.0 | 13.0 | 14.0 | 13.0 | 11.0 | 11.0 | 10.0 | 11.0 | 11.0 | 9.0 | 8.0 | 8.0 | 9.0 | 7.0 | 10.0 | 8.0 | 13.0 | 11.0 | 24 | 14.0 |
| 5 | 11.0 | 5.0 | 5.0 | 7.0 | .0 | 5.0 | 3.0 | -1.0 | 5.0 | 4.0 | 5.0 | 2.0 | 7.0 | 2.0 | 2.0 | 3.0 | 4.0 | 7.0 | 4.0 | 2.0 | 7.0 | 9.0 | 4.0 | 5.0 | 24 | 11.0 |
| 6 | 4.0 | 6.0 | 4.0 | 3.0 | 5.0 | 3.0 | 7.0 | 7.0 | 7.0 | 5.0 | 11.0 | 8.0 | 6.0 | 9.0 | 7.0 | 3.0 | 5.0 | 1.0 | .0 | 2.0 | -1.0 | 2.0 | -1.0 | 1.0 | 24 | 11.0 |
| 7 | .0 | 3.0 | 5.0 | 2.0 | 4.0 | 2.0 | 6.0 | 4.0 | 5.0 | 6.0 | 6.0 | 4.0 | 6.0 | .0 | 1.0 | 4.0 | 5.0 | 7.0 | 2.0 | 6.0 | 9.0 | 9.0 | 9.0 | 12.0 | 24 | 12.0 |
| 8 | 9.0 | 7.0 | 7.0 | 8.0 | 7.0 | 12.0 | 12.0 | 13.0 | 8.0 | 10.0 | 14.0 | 11.0 | 8.0 | 7.0 | 5.0 | 5.0 | 1.0 | 2.0 | 3.0 | 2.0 | 5.0 | 3.0 | 3.0 | 7.0 | 24 | 14.0 |
| 9 | 5.0 | 3.0 | .0 | 3.0 | 3.0 | 2.0 | -2.0 | 4.0 | 1.0 | 5.0 | 10.0 | 8.0 | 5.0 | 3.0 | 4.0 | 7.0 | 6.0 | 9.0 | 6.0 | 6.0 | 5.0 | 8.0 | 10.0 | 11.0 | 24 | 11.0 |
| 10 | 13.0 | 5.0 | 9.0 | 5.0 | 5.0 | 8.0 | 8.0 | 8.0 | 6.0 | 5.0 | 5.0 | 6.0 | 6.0 | 6.0 | 8.0 | 1.0 | 5.0 | 9.0 | .0 | 5.0 | 7.0 | 11.0 | 18.0 | 24.0 | 24 | 24.0 |
| 11 | 31.0 | 41.0 | 41.0 | 44.0 | 40.0 | 39.0 | 35.0 | 33.0 | 26.0 | 13.0 | 9.0 | 11.0 | 6.0 | 4.0 | 8.0 | 5.0 | 6.0 | 3.0 | 6.0 | 9.0 | 6.0 | 10.0 | 8.0 | 9.0 | 24 | 44.0 |
| 12 | 14.0 | 8.0 | 8.0 | 11.0 | 12.0 | 12.0 | 12.0 | 15.0 | 17.0 | 12.0 | 18.0 | 19.0 | 15.0 | 13.0 | 11.0 | 8.0 | 11.0 | 16.0 | 13.0 | 13.0 | 15.0 | 13.0 | 11.0 | 11.0 | 24 | 19.0 |
| 13 | 9.0 | 11.0 | 13.0 | 12.0 | 14.0 | 11.0 | 13.0 | 14.0 | 8.0 | 10.0 | 9.0 | 13.0 | 10.0 | 8.0 | 7.0 | 5.0 | -1.0 | .0 | 3.0 | 2.0 | 8.0 | 5.0 | 7.0 | 3.0 | 24 | 14.0 |
| 14 | 11.0 | 9.0 | 9.0 | 5.0 | 7.0 | 12.0 | 11.0 | 12.0 | 14.0 | 10.0 | 8.0 | 7.0 | 9.0 | 7.0 | 2.0 | 6.0 | 4.0 | 3.0 | 10.0 | 4.0 | 6.0 | 11.0 | 9.0 | 10.0 | 24 | 14.0 |
| 15 | 15.0 | 20.0 | 17.0 | 13.0 | 10.0 | 12.0 | 10.0 | 13.0 | 10.0 | AZ | BA | BA | 13.0 | 7.0 | 2.0 | 3.0 | 4.0 | 4.0 | 1.0 | 5.0 | 3.0 | -1.0 | 2.0 | -2.0 | 21 | 20.0 |
| 16 | .0 | -2.0 | .0 | -2.0 | 4.0 | 2.0 | -1.0 | .0 | 1.0 | 4.0 | -1.0 | 1.0 | .0 | 3.0 | 3.0 | 3.0 | 1.0 | 5.0 | 2.0 | 6.0 | 3.0 | 5.0 | 4.0 | 2.0 | 24 | 6.0 |
| 17 | 4.0 | 9.0 | 5.0 | 5.0 | 3.0 | 2.0 | 6.0 | 6.0 | 8.0 | 3.0 | 5.0 | 13.0 | 9.0 | 13.0 | 10.0 | 7.0 | 10.0 | 11.0 | 11.0 | 18.0 | 24.0 | 14.0 | 16.0 | 15.0 | 24 | 24.0 |
| 18 | 12.0 | 8.0 | 13.0 | 8.0 | 8.0 | 3.0 | 8.0 | 7.0 | 7.0 | 7.0 | 9.0 | 10.0 | 10.0 | 5.0 | 7.0 | 6.0 | 8.0 | 21.0 | -5.0 | 2.0 | 2.0 | 4.0 | 5.0 | .0 | 24 | 21.0 |
| 19 | -3.0 | .0 | .0 | 3.0 | 3.0 | 2.0 | 1.0 | -1.0 | 4.0 | 8.0 | 1.0 | .0 | 3.0 | 4.0 | -1.0 | .0 | 1.0 | 2.0 | .0 | 5.0 | 3.0 | 8.0 | 8.0 | 6.0 | 24 | 8.0 |
| 20 | 2.0 | 6.0 | 7.0 | 5.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 2.0 | 4.0 | 7.0 | 6.0 | 7.0 | 10.0 | 3.0 | 7.0 | 8.0 | 1.0 | 8.0 | 6.0 | 10.0 | 10.0 | 6.0 | 24 | 10.0 |
| 21 | 11.0 | 8.0 | 9.0 | 8.0 | 8.0 | 10.0 | 6.0 | 12.0 | 11.0 | 11.0 | 13.0 | 10.0 | 7.0 | 5.0 | 3.0 | 1.0 | 4.0 | 6.0 | 1.0 | 9.0 | 13.0 | 29.0 | 23.0 | 24.0 | 24 | 29.0 |
| 22 | 29.0 | 27.0 | 25.0 | 27.0 | 23.0 | 20.0 | 15.0 | 17.0 | 13.0 | 13.0 | 6.0 | 11.0 | 9.0 | 3.0 | 7.0 | 7.0 | 9.0 | 4.0 | 10.0 | 7.0 | 10.0 | 15.0 | 8.0 | 6.0 | 24 | 29.0 |
| 23 | 3.0 | 1.0 | 3.0 | 5.0 | 6.0 | 2.0 | 6.0 | 7.0 | 8.0 | 10.0 | 7.0 | 11.0 | 4.0 | 10.0 | 11.0 | 12.0 | 9.0 | 15.0 | 11.0 | 9.0 | 16.0 | 13.0 | 16.0 | 17.0 | 24 | 17.0 |
| 24 | 13.0 | 17.0 | 11.0 | 13.0 | 12.0 | 13.0 | 9.0 | 12.0 | 13.0 | 9.0 | 8.0 | 2.0 | 16.0 | 13.0 | 13.0 | 9.0 | 10.0 | 12.0 | 10.0 | 10.0 | 9.0 | 17.0 | 19.0 | 19.0 | 24 | 19.0 |
| 25 | 18.0 | 24.0 | 19.0 | 19.0 | 22.0 | 26.0 | 24.0 | 20.0 | 14.0 | 11.0 | 9.0 | 10.0 | 9.0 | 12.0 | 10.0 | 12.0 | 13.0 | 8.0 | 2.0 | 5.0 | 6.0 | 9.0 | 11.0 | 8.0 | 24 | 26.0 |
| 26 | 3.0 | 6.0 | 7.0 | 6.0 | 7.0 | 4.0 | 5.0 | 4.0 | 5.0 | 6.0 | 6.0 | 3.0 | 5.0 | 6.0 | 4.0 | 4.0 | 7.0 | 6.0 | 10.0 | 9.0 | 11.0 | 12.0 | 15.0 | 13.0 | 24 | 15.0 |
| 27 | 12.0 | 14.0 | 12.0 | 15.0 | 11.0 | 12.0 | 10.0 | 7.0 | 8.0 | 10.0 | 8.0 | 7.0 | AX | BA | 7.0 | 9.0 | 3.0 | 5.0 | 7.0 | 6.0 | 8.0 | 10.0 | 11.0 | 5.0 | 22 | 15.0 |
| 28 | 11.0 | 9.0 | 7.0 | 7.0 | 6.0 | .0 | 1.0 | -1.0 | -2.0 | -3.0 | 12.0 | 4.0 | 2.0 | 2.0 | 6.0 | 3.0 | .0 | 9.0 | 3.0 | 8.0 | 5.0 | 7.0 | 6.0 | 12.0 | 24 | 12.0 |
| 29 | 8.0 | 11.0 | 8.0 | 15.0 | 10.0 | 7.0 | 8.0 | 14.0 | 1.0 | 3.0 | 7.0 | 5.0 | 2.0 | 1.0 | 4.0 | 1.0 | 2.0 | 9.0 | -1.0 | 2.0 | -1.0 | -2.0 | -1.0 | 4.0 | 24 | 15.0 |
| 30 | 2.0 | -2.0 | 1.0 | .0 | .0 | .0 | -1.0 | 2.0 | .0 | -1.0 | 2.0 | 2.0 | -1.0 | 1.0 | -1.0 | 3.0 | -1.0 | 4.0 | -2.0 | 2.0 | 2.0 | 6.0 | 9.0 | 12.0 | 24 | 12.0 |
| 31 | 14.0 | 12.0 | 14.0 | 10.0 | 11.0 | 21.0 | 19.0 | 16.0 | 16.0 | 7.0 | 10.0 | 4.0 | 7.0 | 4.0 | 2.0 | .0 | 2.0 | .0 | 2.0 | 3.0 | 7.0 | 6.0 | 11.0 | 9.0 | 24 | 21.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 31.0 | 41.0 | 41.0 | 44.0 | 40.0 | 39.0 | 35.0 | 33.0 | 26.0 | 13.0 | 18.0 | 19.0 | 16.0 | 13.0 | 13.0 | 12.0 | 13.0 | 21.0 | 13.0 | 32.0 | 35.0 | 29.0 | 23.0 | 24.0 | | |
| AVG: | 9.45 | 9.90 | 9.19 | 9.29 | 8.61 | 8.68 | 8.35 | 8.90 | 7.55 | 7.03 | 7.70 | 7.43 | 6.87 | 5.90 | 5.58 | 5.03 | 5.13 | 6.74 | 4.13 | 7.13 | 8.26 | 9.61 | 10.00 | 9.58 | | |

MONTHLY OBSERVATIONS: 739 MONTHLY MEAN: 7.76 MONTHLY MAX: 44.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-057-0002 POC: 1
COUNTY: (057) Davidson
CITY: (38060) Lexington
SITE ADDRESS: S.SALISBURY ST
SITE COMMENTS: SITE LOCATED AT WATER TOWER AT CORNER HWY 8 & MAIN ST.
MONITOR COMMENTS: ID2=409

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.814444
LONGITUDE: -80.2625
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 241
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: 2016

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

| Day | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.0 | | 13.4 | | | | | 8.3 | | | | |
| 2 | | | | | | 6.6 | 12.4 | | | | 17.0 IT | 5.8 |
| 3 | | 6.8 V | | 3.3 | 3.3 | | | | 4.8 | 8.2 | | |
| 4 | 3.9 | | 5.4 | | | | | 7.8 | | | | |
| 5 | | | | | | 6.2 | 12.2 | | | | 9.3 | 3.8 |
| 6 | | 11.0 | | 5.9 | 3.7 | | | | 10.2 | 4.8 | | |
| 7 | 8.5 | 8.0 | 8.6 | | | | | 9.1 | | | | |
| 8 | | | | | | 5.0 | 7.7 | | | | 11.2 | 5.9 |
| 9 | | 4.9 | | 3.2 | 15.9 | | | | 15.7 | 2.5 | | |
| 10 | 2.0 | | 10.8 | | | | | 5.7 | | | | |
| 11 | | | | | | 12.3 | 8.2 | | | | 7.8 | 17.4 |
| 12 | | 9.0 | | 6.7 | 12.6 | | | | 6.7 | 7.9 | | |
| 13 | 4.3 | | 10.6 | | 6.0 | | | 8.5 | | | | |
| 14 | | | | | | 9.1 | 14.5 | | | | 10.5 | 9.7 |
| 15 | | 8.0 | | 5.9 | BJ | | | | 11.6 | 9.1 | | |
| 16 | 5.2 | | 10.6 | | 6.9 | | | 6.2 | | | | |
| 17 | | | | | | 5.0 | 7.4 | | | | 19.8 IT | 14.2 |
| 18 | | 7.7 | | 10.4 | 6.1 | | | | 6.5 | 10.0 | | |
| 19 | 5.6 V | | 8.4 | | | | | 3.4 | | | | |
| 20 | | | | | | 8.3 | 9.0 | | | | 3.0 | 7.5 |
| 21 | | 15.7 | | 11.8 | 4.2 | | | | 5.3 | 6.6 | | |
| 22 | 9.4 V | | 9.2 | | | | | 6.1 | | | | |
| 23 | | | | | | 14.5 | 10.2 | | | | 12.2 | 9.1 |
| 24 | | 3.6 | | 7.6 | 6.5 | | | | AJ | 7.2 | | |
| 25 | | | 10.0 | | | | | 11.9 | | | | |
| 26 | | | | | | 8.7 | 11.0 | | | | 6.3 | 8.4 |
| 27 | 10.2 | 8.0 | | 12.8 | 14.6 | | | | 7.6 | 9.9 | | |
| 28 | 14.9 | | 4.2 | | | | | 11.5 | | | | |
| 29 | | | | | | 10.1 | 5.7 | | | | 4.7 | 5.3 |
| 30 | | | | 8.2 | 4.7 | | | | 9.3 | 14.5 | | |
| 31 | | | 7.0 | | | | | 12.3 | | | | |
| NO.: | 10 | 10 | 11 | 10 | 11 | 10 | 10 | 11 | 9 | 10 | 10 | 10 |
| MAX: | 14.9 | 15.7 | 13.4 | 12.8 | 15.9 | 14.5 | 14.5 | 12.3 | 15.7 | 14.5 | 19.8 | 17.4 |
| MEAN: | 7.00 | 8.27 | 8.93 | 7.58 | 7.68 | 8.58 | 9.83 | 8.25 | 8.63 | 8.07 | 10.18 | 8.71 |

ANNUAL OBSERVATIONS: 122 ANNUAL MEAN: 8.47 ANNUAL MAX: 19.8

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-057-0002 POC: 3
COUNTY: (057) Davidson
CITY: (38060) Lexington
SITE ADDRESS: S.SALISBURY ST
SITE COMMENTS: SITE LOCATED AT WATER TOWER AT CORNER HWY 8 & MAIN ST.
MONITOR COMMENTS: ID2=409

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.814444
LONGITUDE: -80.2625
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 241
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JANUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10.8 | 14.5 | 9.8 | 9.8 | 8.4 | 8.3 | 6.4 | 5.0 | 3.2 | 10.8 | 7.1 | 6.4 | 7.1 | 4.5 | 7.1 | 6.2 | 5.4 | 14.2 | 11.0 | 8.6 | 11.3 | 9.8 | 10.3 | 7.1 | 24 | 14.5 |
| 2 | 7.4 | 7.9 | 8.1 | 9.3 | 8.3 | 9.1 | 10.8 | 10.3 | 8.6 | 8.8 | 10.3 | 7.9 | 6.4 | 5.2 | 4.4 | 7.1 | 6.6 | 12.0 | 13.5 | 13.0 | 16.9 | 19.6 | 19.1 | 23.5 | 24 | 23.5 |
| 3 | 23.0 | 21.8 | 16.4 | 24.4 | 25.7 | 22.3 | 16.1 | 18.6 6 | 17.9 | 15.6 | 14.7 | 9.3 | 5.2 | 5.4 | 4.9 | 5.7 | 5.9 | 10.8 | 20.3 | 17.2 | 21.8 | 19.8 | 23.2 | 20.3 | 24 | 25.7 |
| 4 | 10.6 | 8.6 | 12.5 | 8.8 | 9.8 6 | 10.3 6 | 11.8 6 | 8.6 6 | 7.6 | 7.6 | 10.1 | 9.8 | 5.2 | 4.0 | 5.7 | 8.6 | 5.9 6 | 4.0 6 | 5.9 6 | 5.7 6 | 5.4 6 | 4.0 6 | 7.6 6 | 8.9 6 | 24 | 12.5 |
| 5 | 7.6 6 | 6.4 6 | 5.7 6 | 5.9 6 | 6.4 6 | 9.6 6 | 10.3 6 | 9.8 6 | 7.2 6 | 4.5 6 | 4.2 | 4.5 | 4.2 | 6.9 | 6.6 | 3.5 | 2.5 6 | 4.5 6 | 5.4 6 | 6.9 6 | 12.5 6 | 7.9 6 | 10.1 6 | 14.9 6 | 24 | 14.9 |
| 6 | 12.3 6 | 14.7 6 | 14.9 6 | 12.8 6 | 12.0 6 | 15.2 6 | 12.3 6 | 13.7 6 | 13.5 6 | 9.4 | 5.2 | 6.7 | 8.7 | AX | BA | 9.8 | 9.1 | 7.4 | 10.1 | 8.8 | 9.8 | 9.1 | 11.1 | 13.9 | 22 | 15.2 |
| 7 | 12.7 | 10.6 | 13.5 | 13.7 | 11.5 | 13.9 | 12.5 | 13.7 | 13.5 | 10.8 | 11.3 | 11.3 | 9.8 | 8.8 | 7.9 | 5.4 | 4.7 | 8.1 | 12.3 | 19.6 | 13.2 | 16.4 | 21.3 | 15.9 | 24 | 21.3 |
| 8 | 8.8 | 12.8 | 9.4 | 11.5 | 9.8 | 10.3 | 8.6 | 11.8 | 12.8 | 10.5 | 7.6 | 9.1 | 9.3 | 8.9 | 7.4 | 8.1 | 6.7 | 5.5 | 5.0 | 10.3 | 17.9 | 12.3 | 11.3 | 12.8 | 24 | 17.9 |
| 9 | 9.3 | 6.2 | 3.7 | 3.5 | 7.6 | 5.9 | 7.9 | 6.4 | 3.5 | 4.8 | 7.4 | 4.5 | 4.7 | 5.9 | 6.7 | 7.1 | 6.4 | 5.2 | 8.8 | 6.2 | 5.0 | 5.7 | 3.2 | 3.7 | 24 | 9.3 |
| 10 | 3.5 | 4.5 | 3.2 | 6.0 | 4.5 | 3.7 | 3.0 | 5.0 | 3.7 | 4.5 | 4.5 | 3.0 | 3.5 | 6.4 | 4.2 | 2.7 | 5.0 | 4.7 | 4.4 | 4.0 | 6.2 | 5.0 | 2.2 | 4.2 | 24 | 6.4 |
| 11 | 5.9 | 6.9 | 7.6 | 6.9 | 10.3 | 9.1 | 8.1 | 7.6 | 15.2 | 8.8 | 3.2 | 3.0 | 2.3 | 1.3 | 1.0 | 6.7 | 5.7 | 5.7 | 5.2 | 7.1 | 13.9 | 16.6 | 27.9 | 27.1 | 24 | 27.9 |
| 12 | 21.3 | 23.7 | 27.4 | 23.5 | 15.2 | 19.1 | 16.1 | 22.5 | 15.9 | 11.8 | 9.3 | 4.7 | 2.0 | BA | BA | 3.5 | 4.2 | 3.8 | 4.5 | 3.7 | 6.6 | 7.6 | 6.9 | 6.9 | 22 | 27.4 |
| 13 | 9.1 | 8.1 | 9.1 | 8.9 | 5.7 | 5.9 | 7.9 | 9.3 | 11.3 | 7.2 | 4.7 | 5.2 | 3.7 | 5.2 | 5.2 | 5.9 | 5.0 | 3.3 | 5.7 | 7.6 | 8.4 | 8.6 | 8.9 | 16.7 | 24 | 16.7 |
| 14 | 14.2 | 12.1 | 17.9 | 12.1 | 11.1 | 14.4 | 19.8 | 19.9 | 22.8 | 14.5 | 17.4 | 12.1 | 8.9 | 9.6 | 8.4 | 7.2 | 9.6 | 9.4 | 13.1 | 10.1 | 9.1 | 14.7 | 11.3 | 8.9 | 24 | 22.8 |
| 15 | 14.7 | 12.1 | 13.3 | 17.9 | 14.4 | 14.4 | 18.2 | 17.4 | 24.2 | 26.8 | 20.3 | 15.0 | AX | BA | BA | 12.6 | 15.4 | 17.0 | 11.6 | 9.8 | 10.3 | 9.4 | 9.6 | 13.5 | 21 | 26.8 |
| 16 | 9.6 | 7.9 | 10.6 | 11.1 | 8.9 | 8.1 | 10.4 | 15.9 | 13.0 | 17.2 | 10.1 | 6.9 | 8.7 | 8.6 | 8.1 | 6.2 | 6.2 | 9.6 | 8.6 | 11.6 | 10.8 | 9.4 | 8.6 | 12.3 | 24 | 17.2 |
| 17 | 10.8 | 6.4 | 4.7 | 3.3 | 2.8 | 2.3 | 5.2 | 7.2 | 5.7 | 5.0 | 5.7 | 5.2 | 4.0 | 3.5 | 2.1 | 3.0 | 7.9 | 6.4 | 6.2 | 6.6 | 4.2 | 6.4 | 11.5 | 13.5 | 24 | 13.5 |
| 18 | 10.1 | 8.1 | 7.6 | 7.2 | 8.4 | 9.3 | 7.2 | 5.7 | 8.4 | 10.6 | 8.1 | 4.0 | 4.5 | 3.0 | 3.7 | 6.7 | 5.2 | 5.7 | 6.2 | 6.2 | 6.4 | 9.1 | 6.9 | 7.2 | 24 | 10.6 |
| 19 | 11.3 | 7.9 | 8.6 | 8.6 | 13.3 | 11.8 | 7.7 | 12.0 | 9.9 | 8.4 | 6.7 | 6.6 | 6.9 | 5.2 | 9.9 | 9.8 | 7.4 | 5.0 | 10.6 | 7.6 | 7.9 | 13.0 | 12.3 | 16.2 | 24 | 16.2 |
| 20 | 12.0 | 20.1 | 13.3 | 12.5 | 8.8 | 8.6 | 15.7 | 11.8 | 11.3 | 12.3 | 7.9 | 5.2 | 7.6 | 20.3 6 | 6.4 6 | 12.8 | 14.4 | 18.6 | 13.7 | 15.2 | 15.4 | 16.7 | 22.0 | 15.9 | 24 | 22.0 |
| 21 | 17.4 | 19.3 | 24.7 | 22.8 | 24.2 | 30.8 | 27.6 | 27.9 | 22.0 | 11.1 | 8.4 | 6.2 | 7.6 | 6.0 | 6.9 | 6.4 | 7.1 | 5.9 | 11.8 | 13.0 | 21.8 | 16.9 | 15.4 | 16.1 | 24 | 30.8 |
| 22 | 16.4 | 9.3 | 16.7 | 2.5 | 11.1 | 12.5 | 8.1 | 13.9 | 13.4 | 15.7 | 17.7 | 13.9 | 13.3 | 13.7 | 11.8 | 11.1 | 11.3 | 8.4 | 13.7 | 11.1 | 10.6 | 13.4 | 12.3 | 8.9 | 24 | 17.7 |
| 23 | 6.4 | 8.9 | 7.6 | 6.2 | 9.1 | 9.1 | 6.9 | 5.2 | 8.4 | 6.4 | 7.4 | 7.4 | 7.4 | 4.7 | 5.9 | 4.7 | 5.9 | 6.4 | 5.2 | 8.1 | 7.2 | 8.4 | 6.7 | 11.1 | 24 | 11.1 |
| 24 | 8.4 | 7.2 | 11.3 | 8.6 | 10.1 | 8.4 | 9.6 | 9.1 | 10.1 | 7.4 | 6.7 | 6.0 | 9.3 | 6.2 | 3.5 | 2.5 | 3.7 | 4.2 | 21.0 | 20.3 | 21.5 | 17.2 | 20.3 | 21.3 | 24 | 21.5 |
| 25 | 15.4 | 13.5 | 14.9 | 13.0 | 16.4 | 16.7 | 12.8 | 16.2 | 17.7 | 18.9 | 13.9 | 12.0 | 9.4 | 9.6 | 9.6 | 8.6 | 9.6 | 8.1 | 12.3 | 12.6 | 12.8 | 10.8 | 14.4 | 11.1 | 24 | 18.9 |
| 26 | 10.8 | 12.3 | 15.7 | 12.3 | 11.8 | 14.0 | 16.7 | 20.8 | 16.2 | 13.8 | 15.2 | 19.2 | 10.8 | 11.6 | 6.9 | 10.3 | 14.2 | 14.0 | 12.8 | 19.2 | 21.8 | 19.6 | 20.8 | 19.4 | 24 | 21.8 |
| 27 | 18.4 | 17.9 | 14.7 | 19.1 | 20.8 | 16.9 | 19.1 | 22.0 | 18.6 | 10.8 | 8.9 | 6.0 | 4.5 | 4.0 | 5.0 | 8.9 | 6.0 | 6.7 | 13.3 | 11.1 | 10.6 | 11.3 | 21.5 | 17.2 | 24 | 22.0 |
| 28 | 15.7 | 18.6 | 20.1 | 18.1 | 17.2 | 19.6 | 18.4 | 20.8 | 26.8 | 23.0 | 23.3 | 20.3 | 16.2 | 12.3 | 11.1 | 11.8 | 11.6 | 10.4 | 12.3 | 20.3 | 18.9 | 15.9 | 16.2 | 27.1 | 24 | 27.1 |
| 29 | 24.2 | 22.5 | 19.6 | 19.2 | 22.8 | 37.3 | 28.9 | 40.9 | 20.3 | 20.6 | 11.3 | 6.4 | 11.3 | 8.9 | 5.7 | 6.5 | 6.0 | 5.7 | 9.6 | 9.1 | 8.1 | 11.6 | 10.4 | 11.8 | 24 | 40.9 |
| 30 | 10.1 | 20.1 | 18.2 | 19.6 | 24.7 | 19.4 | 21.5 | 26.2 | 15.9 | 15.2 | 9.1 | 6.7 | 6.2 | 8.4 | 8.6 | 9.6 | 9.4 | 9.4 | 13.3 | 19.6 | 13.8 | 25.2 | 10.8 | 24.0 | 24 | 26.2 |
| 31 | 19.1 | 15.9 | 20.8 | 21.5 | 19.6 | 18.2 | 14.5 | 15.9 | 14.0 | 9.1 | 13.1 | 12.1 | 11.8 | 7.7 | 7.9 | 9.9 | 9.9 | 8.9 | 7.7 | 12.3 | 8.4 | 6.9 | 10.6 | 10.9 | 24 | 21.5 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 28 | 28 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 24.2 | 23.7 | 27.4 | 24.4 | 25.7 | 37.3 | 28.9 | 40.9 | 26.8 | 26.8 | 23.3 | 20.3 | 16.2 | 20.3 | 11.8 | 12.8 | 15.4 | 18.6 | 21.0 | 20.3 | 21.8 | 25.2 | 27.9 | 27.1 | | |
| AVG: | 12.49 | 12.48 | 12.95 | 12.28 | 12.60 | 13.37 | 12.91 | 14.55 | 13.31 | 11.67 | 10.03 | 8.28 | 7.35 | 7.35 | 6.52 | 7.38 | 7.55 | 8.03 | 10.16 | 11.05 | 11.89 | 12.20 | 13.05 | 14.27 | | |

MONTHLY OBSERVATIONS: 737 MONTHLY MEAN: 11.03 MONTHLY MAX: 40.9

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-057-0002 POC: 3
COUNTY: (057) Davidson
CITY: (38060) Lexington
SITE ADDRESS: S.SALISBURY ST
SITE COMMENTS: SITE LOCATED AT WATER TOWER AT CORNER HWY 8 & MAIN ST.
MONITOR COMMENTS: ID2=409

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.814444
LONGITUDE: -80.2625
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 241
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: FEBRUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10.1 | 8.7 | 13.3 | 13.1 | 16.2 | 13.3 | 12.3 | 14.5 | 12.3 | 13.1 | 12.1 | 10.4 | 10.6 | 8.4 | 5.3 | 9.4 | 6.4 | 12.1 | 7.7 | 9.9 | 15.7 | 10.1 | 14.0 | 13.6 | 24 | 16.2 |
| 2 | 14.7 | 13.3 | 12.1 | 19.9 | 15.4 | 11.6 | 14.3 | 12.6 | 11.3 | 10.1 | 12.3 | 10.1 | 10.6 | 11.8 | 15.2 | 10.8 | 7.7 | 14.0 | 11.6 | 15.5 | 11.6 | 17.9 | 5.7 | 10.8 | 24 | 19.9 |
| 3 | 13.3 | 12.8 | 8.9 | 12.1 | 8.4 | 6.7 | 7.9 | 5.7 | 4.5 | 4.2 | 5.0 | 4.2 | 3.8 | AV | AV | AV | 2.5 | 3.3 | 3.3 | 8.6 | 4.8 | 2.5 | 6.0 | 5.5 | 21 | 13.3 |
| 4 | .4 | 5.0 | 5.5 | 2.1 | 1.6 | 6.0 | 12.0 | 11.1 | 7.6 | 6.5 | 5.2 | 11.3 | 8.4 | 6.4 | 8.6 | 8.6 | 8.9 | 8.6 | 12.8 | 9.6 | 8.1 | 8.9 | 8.4 | 4.7 | 24 | 12.8 |
| 5 | 5.2 | 6.7 | 7.6 | 5.0 | 4.7 | 5.0 | 4.7 | 11.1 | 9.6 | 8.6 | 6.7 | AX | BA | BA | 4.4 | 3.0 | 4.2 | 4.7 | 6.4 | 6.2 | 8.3 | 17.9 | 18.4 | 22.7 | 21 | 22.7 |
| 6 | 13.3 | 18.4 | 23.0 | 15.7 | 22.0 | 22.8 | 17.9 | 22.0 | 19.4 | 12.3 | 11.6 | 8.4 | 5.0 | 6.2 | 6.4 | 7.4 | 8.1 | 9.6 | 13.3 | 18.9 | 17.6 | 22.3 | 18.6 | 13.9 | 24 | 23.0 |
| 7 | 18.9 | 19.8 | 19.3 | 14.2 | 18.4 | 16.4 | 12.3 | 13.5 | 8.9 | 7.2 | 7.9 | 7.4 | 5.7 | 7.4 | 7.6 | 7.4 | 6.0 | 5.7 | 7.9 | 12.1 | 10.1 | 11.1 | 13.0 | 12.5 | 24 | 19.8 |
| 8 | 10.1 | 12.8 | 14.2 | 12.8 | 17.2 | 18.2 | 18.9 | 16.7 | 19.1 | 16.4 | 11.6 | 7.2 | 12.5 | 7.4 | 8.6 | 12.8 | 13.8 | 12.0 | 13.9 | 9.8 | 9.1 | 15.4 | 13.3 | 11.1 | 24 | 19.1 |
| 9 | 8.1 | 12.3 | 8.4 | 9.8 | 14.4 | 13.9 | 8.6 | 5.5 | 4.7 | 6.4 | 2.3 | 4.7 | 6.2 | 3.7 | 1.3 | 4.5 | 6.4 | 5.5 | 6.2 | 5.0 | 3.7 | 6.4 | 7.6 | 7.2 6 | 24 | 14.4 |
| 10 | 15.5 6 | 7.9 6 | 8.1 6 | 9.1 6 | 9.5 6 | 11.7 6 | 10.5 6 | 9.4 6 | 12.4 6 | 9.3 6 | 7.1 6 | 3.9 | 2.0 6 | 5.4 | 6.2 | 11.5 | 8.3 | 6.9 | 6.9 | 8.8 | 8.8 | 7.1 | 5.2 | 9.8 | 24 | 15.5 |
| 11 | 12.3 | 10.3 | 9.8 | 10.1 | 16.2 | 14.7 | 18.1 | 8.4 | 10.3 | 10.1 | 6.9 | 8.6 | 8.6 | 6.6 | 10.8 | 8.1 | 4.7 | 8.3 | 8.8 | 16.9 | 11.3 | 9.6 | 13.4 | 12.8 | 24 | 18.1 |
| 12 | 12.3 | 11.8 | 9.6 | 11.0 | 14.9 | 14.2 | 15.7 | 9.6 | 9.8 | 6.7 | 6.2 | 7.4 | 9.1 | 8.8 | 19.3 | 13.3 | 13.6 | 10.3 | 16.9 | 16.7 | 13.7 | 18.1 | 10.0 | 13.0 | 24 | 19.3 |
| 13 | 9.6 | 8.1 | 5.0 | 9.8 | 9.3 | 6.2 | 4.4 | 10.3 | 12.0 | 10.0 | 12.0 | 8.1 | 9.1 | 5.9 | 10.3 | 9.8 | 6.9 | 6.7 | 11.0 | 13.4 | 8.3 | 10.0 | 6.2 | 5.9 | 24 | 13.4 |
| 14 | 7.1 | 9.1 | 7.4 | 5.7 | 4.0 | 4.5 | 5.0 | 7.2 | 6.4 | 4.2 | 3.2 | 6.2 | 6.4 | 3.2 | 5.4 | 7.4 | 8.1 | 9.3 | 7.8 | 11.3 | 8.6 | 5.2 | 6.6 | 9.1 | 24 | 11.3 |
| 15 | 9.6 | 11.8 | 8.6 | 14.2 | 14.4 | 11.5 | 16.2 | 14.9 | 10.5 | 9.8 | 15.9 | 13.7 | 13.4 | 9.8 | 8.6 | 13.0 | 8.9 | 11.5 | 8.1 | 6.4 | 6.4 | 6.9 | 8.1 | 11.1 | 24 | 16.2 |
| 16 | 9.6 | 8.6 | 6.9 | 5.7 | 5.0 | 4.2 | 4.5 | 3.7 | 8.6 | 6.9 | 6.2 | 5.7 | 5.2 | 4.0 | 2.7 | 2.5 | 5.5 | 4.2 | 8.4 | 10.6 | 10.6 | 10.3 | 11.1 | 10.6 | 24 | 11.1 |
| 17 | 8.4 | 8.8 | 5.9 | 3.5 | 7.2 | 10.1 | 8.9 | 17.2 | 13.8 | 10.3 | 7.9 | 7.4 | 6.6 | 6.9 | 5.2 | 4.0 | 7.6 | 5.0 | 13.0 | 11.5 | 7.4 | 6.9 | 11.5 | 9.1 | 24 | 17.2 |
| 18 | 11.3 | 13.3 | 18.6 | 15.6 | 12.3 | 16.7 | 13.9 | 14.4 | 12.1 | 16.1 | 4.5 | 9.1 | 8.4 | 6.4 | 6.4 | 5.9 | 7.6 | 5.9 | 9.1 | 8.4 | 5.7 | 8.1 | 13.0 | 13.5 | 24 | 18.6 |
| 19 | 16.9 | 12.2 | 12.3 | 16.7 | 17.4 | 18.1 | 20.1 | 26.9 | 24.7 | 14.7 | 10.6 | 13.5 | 14.2 | 10.6 | 17.2 | 13.7 | 10.6 | 14.2 | 12.3 | 25.2 | 15.7 | 12.0 | 15.2 | 15.7 | 24 | 26.9 |
| 20 | 13.0 | 12.8 | 12.8 | 15.7 | 17.6 | 15.9 | 13.8 | 29.3 | 22.5 | 27.6 | 22.5 | 23.5 | 20.6 | 23.0 | 27.2 | 31.1 | 25.4 | 25.7 | 19.6 | 24.0 | 19.4 | 22.3 | 20.3 | 23.5 | 24 | 31.1 |
| 21 | 27.0 | 23.5 | 22.3 | 21.5 | 19.8 | 17.6 | 18.9 | 20.1 | 17.4 | 21.0 | 19.8 | 16.2 | AV | 13.8 | 22.5 | 16.4 | 17.4 | 15.9 | 17.2 | 17.6 | 16.7 | 9.8 | 13.7 | 13.5 | 23 | 27.0 |
| 22 | 9.6 | 15.2 | 12.5 | 12.8 | 12.0 | 16.2 | 16.2 | 18.9 | 18.6 | 15.7 | 14.0 | 14.7 | 21.5 | 15.7 | 19.8 | 15.2 | 19.8 | 15.2 | 21.3 | 18.9 | 13.5 | 11.3 | 12.0 | 9.1 | 24 | 21.5 |
| 23 | 8.3 | 7.9 | 4.9 | 4.2 | 7.6 | 6.2 | 5.5 | 5.7 | 4.5 | 7.1 | 7.4 | 8.2 6 | AX | BA | 5.2 | 4.9 | 8.8 | 7.6 | 6.4 | 9.3 | 6.6 | 6.4 | 5.4 | 5.4 | 22 | 9.3 |
| 24 | 3.5 | .9 | 2.7 | 5.0 | 5.9 | 4.9 | 2.3 | 2.7 | 3.2 | 3.0 | 2.0 | 3.5 | 7.4 | 8.3 | 7.1 | 17.4 | 9.3 | 7.4 | 5.2 | 4.2 | 6.9 | 7.1 | 5.0 | 6.9 | 24 | 17.4 |
| 25 | 6.7 | 4.5 | 4.0 | 2.7 | 4.0 | 6.4 | 4.9 | 2.2 | .1 | 2.7 | 2.7 | .6 | 2.3 | 1.8 | .3 | 3.0 | 3.7 | 5.7 | 4.7 | 4.5 | 3.7 | 3.2 | 4.2 | 7.8 | 24 | 7.8 |
| 26 | 7.4 | 6.7 | 6.4 | 5.2 | 5.2 | 8.6 | 5.2 | 5.0 | 3.7 | 3.7 | 4.7 | 4.7 6 | AZ | 7.6 | 7.6 | 6.4 | 7.9 | 7.6 | 5.0 | 7.4 | 8.4 | 6.4 | 10.5 | 10.6 | 23 | 10.6 |
| 27 | 7.6 | 12.0 | 8.3 | 14.2 | 12.5 | 12.0 | 14.4 | 17.4 | 6.4 | 12.5 | 7.6 | 6.2 | 7.6 | 9.1 | 8.9 | 7.4 | 6.7 | 4.7 | 8.4 | 13.2 | 9.4 | 14.4 | 18.9 | 22.3 | 24 | 22.3 |
| 28 | 19.6 | 20.1 | 22.0 | 19.8 | 22.0 | 21.3 | 27.6 | 20.3 | 25.2 | 17.6 | 13.0 | 8.4 | 11.3 | 6.7 | 7.2 | 8.4 | 6.4 | 5.5 | 6.2 | 17.9 | 4.7 | 17.2 | 26.2 | 13.8 | 24 | 27.6 |
| 29 | 11.3 | 12.3 | 13.8 | 22.8 | 18.2 | 20.3 | 21.0 | 14.4 | 16.9 | 10.6 | 12.8 | 12.0 | 8.6 | 9.1 | 5.7 | 6.2 | 7.6 | 6.0 | 9.8 | 11.1 | 12.0 | 13.3 | 16.9 | 11.1 | 24 | 22.8 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 28 | 25 | 26 | 28 | 28 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | | |
| MAX: | 27.0 | 23.5 | 23.0 | 22.8 | 22.0 | 22.8 | 27.6 | 29.3 | 25.2 | 27.6 | 22.5 | 23.5 | 21.5 | 23.0 | 27.2 | 31.1 | 25.4 | 25.7 | 21.3 | 25.2 | 19.4 | 22.3 | 26.2 | 23.5 | | |
| AVG: | 11.06 | 11.30 | 10.83 | 11.38 | 12.18 | 12.25 | 12.28 | 12.78 | 11.60 | 10.50 | 9.02 | 8.76 | 9.00 | 8.23 | 9.32 | 9.63 | 8.92 | 8.93 | 9.97 | 12.17 | 9.89 | 10.97 | 11.67 | 11.61 | | |

MONTHLY OBSERVATIONS: 686 MONTHLY MEAN: 10.62 MONTHLY MAX: 31.1

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-057-0002 POC: 3
COUNTY: (057) Davidson
CITY: (38060) Lexington
SITE ADDRESS: S.SALISBURY ST
SITE COMMENTS: SITE LOCATED AT WATER TOWER AT CORNER HWY 8 & MAIN ST.
MONITOR COMMENTS: ID2=409

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.814444
LONGITUDE: -80.2625
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 241
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MARCH 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18.1 | 12.8 | 15.7 | 22.5 | 16.4 | 18.9 | 16.4 | 19.8 | 14.0 | 14.4 | 15.2 | 14.7 | 12.3 | 12.0 | 12.5 | 8.4 | 15.6 | 16.2 | 14.7 | 16.7 | 16.4 | 20.8 | 18.7 | 25.7 | 24 | 25.7 |
| 2 | 13.0 | 7.9 | 4.2 | 2.3 | 4.0 | 6.4 | 8.1 | 6.9 | 6.2 | 4.5 | 4.5 | 3.2 | 2.0 | 1.8 | 3.3 | 4.2 | 3.0 | 1.5 | 1.6 | 5.0 | 5.5 | 6.7 | 6.2 | 8.6 | 24 | 13.0 |
| 3 | 10.5 | 8.9 | 7.9 | 5.9 | 4.0 | 3.0 | 7.9 | 7.1 | 6.9 | 7.2 | 5.7 | 2.5 | AX | BA | 5.4 | 12.7 | 9.6 | 4.7 | 9.1 | 12.0 | 11.8 | 13.8 | 13.5 | 10.8 | 22 | 13.8 |
| 4 | 8.1 | 6.2 | 5.2 | 10.8 | 9.6 | 10.1 | 11.5 | 18.1 | 7.1 | 9.8 | 11.3 | 14.0 | 9.3 | 10.8 | 7.1 | 7.1 | 5.5 | 4.0 | 6.4 | 4.7 | 4.0 | 4.0 | 8.1 | 7.9 | 24 | 18.1 |
| 5 | 10.1 | 9.6 | 13.5 | 13.0 | 12.0 | 13.0 | 19.1 | 17.4 | 12.0 | 8.4 | 9.4 | 8.1 | 9.1 | 8.1 | 8.6 | 5.7 | 8.8 | 13.0 | 17.2 | 12.5 | 12.3 | 9.8 | 12.5 | 13.3 | 24 | 19.1 |
| 6 | 16.4 | 17.9 | 16.4 | 13.0 | 17.2 | 12.5 | 11.5 | 10.3 | 10.3 | 5.9 | 5.0 | 9.8 | 7.9 | 5.0 | 4.2 | 4.2 | 4.0 | 4.0 | 5.5 | 8.4 | 8.6 | 5.4 | 2.8 | 5.2 | 24 | 17.9 |
| 7 | 8.6 | 9.3 | 9.6 | 12.1 | 11.3 | 13.3 | 15.9 | 14.2 | 15.2 | 13.3 | 13.3 | 7.4 | 12.8 | 11.3 | 11.3 | 14.0 | 14.9 | 8.6 | 10.3 | 10.6 | 18.4 | 14.2 | 10.6 | 18.1 | 24 | 18.4 |
| 8 | 18.7 | 10.6 | 12.8 | 13.8 | 11.8 | 16.9 | 14.4 | 22.5 | 27.0 | 15.2 | 13.5 | 15.2 | 10.8 | 11.6 | 9.1 | 8.1 | 5.9 | 10.3 | 15.2 | 19.4 | 17.2 | 14.7 | 19.1 | 15.9 | 24 | 27.0 |
| 9 | 15.9 | 14.4 | 18.7 | 20.3 | 15.7 | 17.2 | 14.9 | 10.3 | 10.6 | 10.1 | 8.9 | 10.6 | 9.4 | 6.2 | 4.5 | 6.7 | 11.3 | 9.3 | 10.5 | 14.7 | 15.4 | 15.4 | 14.9 | 14.7 | 24 | 20.3 |
| 10 | 13.7 | 13.0 | 15.4 | 13.8 | 10.1 | 12.8 | 10.0 | 8.6 | 16.7 | 11.8 | 18.1 | 11.1 | 14.8 | 11.6 | 12.3 | 9.6 | 14.0 | 12.3 | 12.3 | 14.3 | 11.5 | 10.6 | 13.3 | 17.2 | 24 | 18.1 |
| 11 | 15.4 | 9.6 | 18.9 | 15.2 | 13.8 | 16.7 | 10.6 | 15.6 | 10.6 | 14.0 | 18.1 | 18.7 | AX | AT | 17.6 | 10.5 | 10.3 | 9.6 | 13.7 | 17.9 | 19.8 | 16.6 | 13.3 | 15.7 | 22 | 19.8 |
| 12 | 16.9 | 19.4 | 18.4 | 16.1 | 19.3 | 17.6 | 12.0 | 11.8 | 13.7 | 12.3 | 10.8 | 9.8 | 17.1 | 16.4 | 23.5 | 18.4 | 20.8 | 15.4 | 17.4 | 21.5 | 11.3 | 10.8 | 15.9 | 13.2 | 24 | 23.5 |
| 13 | 16.9 | 11.5 | 15.9 | 15.6 | 12.7 | 15.4 | 5.9 | 7.9 | 12.8 | 13.2 | 16.9 | 13.7 | 11.5 | 17.1 | 8.6 | 10.5 | 13.2 | 10.5 | 5.4 | 5.4 | 8.6 | 5.9 | 4.9 | 1.6 | 24 | 17.1 |
| 14 | 5.9 | 6.9 | 6.6 | 6.2 | 7.8 | 16.1 | 8.6 | 10.5 | 10.0 | 8.3 | 7.9 | 9.1 | 7.1 | 5.2 | 10.8 | 9.6 | 9.3 | 6.9 | 10.0 | 13.7 | 23.5 | 11.0 | 7.4 | 5.7 | 24 | 23.5 |
| 15 | 7.8 | 5.9 | 15.2 | 16.1 | 16.9 | 17.9 | 16.1 | 10.5 | 9.3 | 10.8 | 6.4 | 5.7 | 5.4 | 9.3 | 8.1 | 7.9 | 9.8 | 6.9 | 6.6 | 8.6 | 10.0 | 9.8 | 10.0 | 8.8 | 24 | 17.9 |
| 16 | 14.5 | 12.5 | 16.9 | 11.6 | 14.7 | 18.9 | 30.8 | 19.6 | 22.0 | 18.1 | 20.1 | 23.2 | 12.8 | 16.1 | 10.8 | 10.3 | 8.8 | 7.6 | 10.5 | 11.5 | 11.1 | 8.6 | 5.7 | 4.2 | 24 | 30.8 |
| 17 | 5.9 | 7.6 | 5.4 | 10.6 | 7.8 | 7.8 | 11.8 | 15.4 | 9.1 | 7.4 | 5.0 | 1.8 | .1 | 5.2 | 4.9 | 6.9 | 4.4 | 6.7 | 8.8 | 8.1 | 10.8 | 10.3 | 7.8 | 6.6 | 24 | 15.4 |
| 18 | 9.1 | 8.3 | 6.6 | 5.9 | 8.6 | 7.4 | 12.8 | 12.1 | 7.4 | 5.0 | 9.1 | 6.2 | 6.6 | 9.3 | 7.4 | 9.8 | 5.9 | 3.7 | 8.1 | 7.4 | 8.4 | 10.6 | 18.9 | 21.8 | 24 | 21.8 |
| 19 | 23.0 | 14.9 | 15.9 | 9.6 | 15.7 | 14.4 | 19.6 | 11.1 | 18.1 | 20.3 | 7.6 | 6.6 | 5.9 | 7.4 | 8.8 | 6.9 | 6.2 | 11.5 | 12.5 | 8.9 | 7.2 | 8.3 | 9.8 | 6.4 | 24 | 23.0 |
| 20 | 9.8 | 7.9 | 7.9 | 8.4 | 8.3 | 9.1 | 8.1 | 7.4 | 5.2 | 8.4 | 6.9 | 5.0 | 7.6 | 8.6 | 9.3 | 6.2 | 8.1 | 10.8 | 13.9 | 14.2 | 8.4 | 8.6 | 9.8 | 9.1 | 24 | 14.2 |
| 21 | 7.1 | 8.3 | 11.3 | 10.6 | 10.8 | 9.1 | 11.3 | 9.6 | 8.4 | 9.1 | AX | BA | 5.7 | 7.4 | 7.4 | 5.7 | 7.6 | 5.7 | 7.4 | 7.4 | 8.6 | 10.8 | 10.6 | 11.8 | 22 | 11.8 |
| 22 | 14.2 | 15.4 | 18.9 | 14.4 | 10.0 | 10.1 | 24.4 | 18.4 | 15.7 | 15.4 | 10.3 | 13.0 | 10.6 | 8.9 | 9.1 | 9.1 | 7.6 | 5.4 | 11.8 | 16.9 | 10.1 | 14.2 | 18.4 | 17.1 | 24 | 24.4 |
| 23 | 19.8 | 18.4 | 23.5 | 22.5 | 22.3 | 24.4 | 23.7 | 21.5 | 21.5 | 20.6 | 8.4 | 7.6 | 6.9 | 6.4 | 8.3 | 8.4 | 6.9 | 9.8 | 14.2 | 13.0 | 14.0 | 14.4 | 13.8 | 14.2 | 24 | 24.4 |
| 24 | 20.6 | 15.7 | 21.3 | 10.3 | 21.0 | 19.6 | 24.2 | 14.7 | 9.8 | 27.4 | 20.8 | 17.9 | 14.7 | 13.5 | 11.8 | 8.4 | 9.1 | 11.1 | 10.8 | 8.4 | 8.9 | 12.3 | 14.0 | 9.6 | 24 | 27.4 |
| 25 | 7.2 | 5.2 | 8.4 | 11.3 | 9.8 | 9.3 | 10.3 | 9.6 | 11.3 | 16.7 | 15.7 | 15.7 | 9.9 | 15.7 | 11.3 | 10.1 | 7.4 | 9.6 | 18.9 | 26.7 | 13.8 | 20.6 | 21.1 | 16.4 | 24 | 26.7 |
| 26 | 16.7 | 14.9 | 14.9 | 14.2 | 13.5 | 16.9 | 10.6 | 14.4 | 18.1 | 18.4 | 19.4 | 15.9 | 15.4 | 15.4 | 14.2 | 16.2 | 13.0 | 13.3 | 13.8 | 16.9 | 16.9 | 11.8 | 15.9 | 13.3 | 24 | 19.4 |
| 27 | 16.9 | 16.9 | 11.1 | 15.2 | 10.6 | 6.2 | 8.3 | 8.6 | 11.8 | 9.6 | 7.9 | 5.0 | 16.2 | 15.9 | 8.6 | 10.3 | 15.2 | 11.1 | 7.4 | 7.4 | 3.7 | 5.9 | 6.9 | 4.2 | 24 | 16.9 |
| 28 | 2.3 | -.5 | -1.2 | .1 | 2.3 | .9 | 2.3 | 10.6 | 11.8 | 8.6 | 8.6 | 8.9 | 5.2 | 4.5 | 5.4 | 7.4 | 7.6 | 5.2 | 4.7 | 6.2 | 7.4 | 4.5 | 5.2 | 4.9 | 24 | 11.8 |
| 29 | 4.7 | 6.2 | 7.9 | 7.1 | 8.1 | 8.1 | 9.6 | 12.8 | 11.5 | 8.6 | 10.6 | 6.4 | 8.1 | 7.4 | 7.3 | 6.6 | 8.6 | 9.6 | 6.4 | 10.1 | 15.6 | 16.4 | 16.6 | 15.1 | 24 | 16.6 |
| 30 | 18.4 | 15.4 | 18.1 | 23.9 | 19.1 | 15.9 | 13.5 | 15.9 | 13.5 | 9.3 | 7.4 | 9.8 | 8.4 | 8.1 | 8.8 | 9.1 | 19.3 | 15.1 | 10.3 | 14.9 | 9.6 | 10.5 | 8.8 | 4.2 | 24 | 23.9 |
| 31 | 8.3 | 7.1 | 8.6 | 8.8 | 8.1 | 8.3 | 12.0 | 8.1 | 6.4 | 8.6 | 13.2 | 7.1 | 6.9 | 9.3 | 12.8 | 8.6 | 14.9 | 12.0 | 10.3 | 10.5 | 9.1 | 8.1 | 10.6 | 6.7 | 24 | 14.9 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 29 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 23.0 | 19.4 | 23.5 | 23.9 | 22.3 | 24.4 | 30.8 | 22.5 | 27.0 | 27.4 | 20.8 | 23.2 | 17.1 | 17.1 | 23.5 | 18.4 | 20.8 | 16.2 | 18.9 | 26.7 | 23.5 | 20.8 | 21.1 | 25.7 | | |
| AVG: | 12.73 | 10.91 | 12.58 | 12.30 | 12.04 | 12.72 | 13.43 | 12.95 | 12.39 | 11.96 | 11.20 | 10.12 | 9.33 | 9.84 | 9.45 | 8.95 | 9.89 | 9.08 | 10.51 | 12.06 | 11.55 | 11.14 | 11.78 | 11.23 | | |

MONTHLY OBSERVATIONS: 738 MONTHLY MEAN: 11.27 MONTHLY MAX: 30.8

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-057-0002 POC: 3
COUNTY: (057) Davidson
CITY: (38060) Lexington
SITE ADDRESS: S.SALISBURY ST
SITE COMMENTS: SITE LOCATED AT WATER TOWER AT CORNER HWY 8 & MAIN ST.
MONITOR COMMENTS: ID2=409

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.814444
LONGITUDE: -80.2625
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 241
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: APRIL 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.9 | 6.4 | 6.2 | 4.7 | 5.0 | 7.1 | 7.9 | 4.5 | 3.0 | 3.7 | 5.4 | 4.2 | 4.7 | 4.4 | 3.9 | 3.0 | 1.1 | -1.5 | 3.9 | 4.5 | 3.7 | 4.0 | 4.9 | 5.4 | 24 | 7.9 |
| 2 | 4.4 | 1.6 | 6.6 | 4.7 | 5.9 | 10.3 | 8.1 | 11.5 | 9.1 | 5.4 | 8.1 | 9.1 | 8.1 | 4.2 | 4.9 | 6.9 | 5.2 | 4.7 | 3.5 | 5.9 | 5.2 | 4.5 | 5.9 | 4.9 | 24 | 11.5 |
| 3 | 8.6 | 5.9 | 7.1 | 6.6 | 3.9 | 2.0 | 4.9 | 4.2 | 5.4 | 8.3 | 8.8 | 5.7 | 5.4 | 5.4 | 3.7 | 3.2 | 2.2 | 6.4 | 4.2 | 7.8 | 12.8 | 9.5 | 7.6 | 6.6 | 24 | 12.8 |
| 4 | 4.4 | 8.6 | 9.6 | 11.5 | 12.2 | 12.2 | 9.1 | 17.4 | 15.6 | 6.9 | 7.8 | 9.1 | 10.8 | 6.2 | 4.0 | 9.8 | 9.1 | 6.2 | 3.4 | 6.9 | 6.6 | 8.8 | 11.8 | 15.9 | 24 | 17.4 |
| 5 | 22.0 | 13.3 | 14.6 | 12.0 | 19.8 | 7.6 | 6.6 | 4.9 | 2.0 | 4.5 | 5.2 | 6.2 | 7.6 | 7.8 | 9.8 | 6.6 | 7.8 | 6.9 | 9.1 | 7.1 | 10.8 | 7.6 | 13.5 | 9.8 | 24 | 22.0 |
| 6 | 10.8 | 15.9 | 7.8 | 10.1 | 9.1 | 10.5 | 13.5 | 12.3 | 10.8 | 13.9 | 11.5 | 8.6 | 4.9 | 5.0 | 7.2 | 7.6 | 6.6 | 6.2 | 6.4 | 16.4 | 14.9 | 9.1 | 6.9 | 5.5 | 24 | 16.4 |
| 7 | 7.6 | 10.1 | 8.3 | 9.8 | 6.7 | 4.7 | 8.8 | 8.3 | 10.3 | 6.9 | 5.0 | 7.6 | 6.4 | 4.5 | 3.0 | 6.9 | 7.4 | 7.4 | 4.7 | 8.1 | 9.1 | 5.4 | 5.7 | 6.2 | 24 | 10.3 |
| 8 | 6.7 | 6.9 | 8.8 | 6.4 | 9.6 | 6.9 | 7.6 | 7.4 | 5.9 | 6.2 | AX | BA | 3.2 | 5.7 | 5.2 | 2.5 | 6.4 | 4.7 | 3.5 | 5.0 | 6.9 | 5.9 | 7.4 | 8.3 | 22 | 9.6 |
| 9 | 5.9 | 9.3 | 7.8 | 5.2 | 5.7 | 9.1 | 5.9 | 5.0 | 4.7 | 4.2 | 2.5 | 3.5 | 4.9 | 5.4 | 4.9 | 3.2 | 1.5 | 2.2 | 4.7 | 4.2 | 4.2 | 5.7 | 4.2 | 9.6 | 24 | 9.6 |
| 10 | 7.4 | 6.1 | 4.9 | 5.4 | 4.4 | 6.6 | 7.1 | 6.7 | 6.2 | 4.7 | 3.5 | 2.2 | 5.9 | 4.7 | 11.1 | 6.4 | 1.8 | 2.7 | 5.9 | 7.9 | 6.7 | 5.0 | 6.6 | 4.0 | 24 | 11.1 |
| 11 | 2.2 | 2.5 | 3.0 | 5.5 | 8.1 | 6.6 | 7.1 | 7.4 | 6.6 | 5.2 | 10.6 | 6.6 | BA | BA | BA | 7.1 | 8.8 | 6.9 | 9.8 | 9.1 | 8.6 | 8.8 | 9.6 | 9.3 | 21 | 10.6 |
| 12 | 8.8 | 7.4 | 5.9 | 6.4 | 11.3 | 7.9 | 5.2 | 5.2 | 11.5 | 9.3 | 7.9 | 7.6 | 7.6 | 5.7 | 8.4 | 6.9 | 5.4 | 4.7 | 11.8 | 15.4 | 6.4 | 5.9 | 7.6 | 6.6 | 24 | 15.4 |
| 13 | 7.8 | 9.8 | 8.6 | 8.6 | 8.1 | 10.8 | 8.6 | 5.9 | 6.9 | 4.9 | 5.4 | 5.4 | 3.5 | 7.6 | 6.9 | 11.0 | 7.4 | 5.7 | 5.4 | 7.4 | 7.1 | 8.8 | 11.8 | 15.9 | 24 | 15.9 |
| 14 | 13.5 | 10.8 | 11.5 | 12.5 | 9.6 | 9.1 | 10.8 | 9.1 | 7.1 | 7.1 | 6.9 | 5.0 | 6.9 | 6.6 | 4.2 | 7.9 | 5.4 | 1.5 | 5.7 | 7.1 | 10.1 | 11.8 | 12.3 | 9.1 | 24 | 13.5 |
| 15 | 5.5 | 5.9 | 6.6 | 10.3 | 7.6 | 4.2 | 3.2 | 6.6 | 6.4 | 5.9 | 5.5 | 4.0 | .6 | 5.5 | 5.2 | 4.7 | 4.7 | 4.5 | 5.2 | 9.3 | 9.8 | 12.3 | 11.1 | 7.4 | 24 | 12.3 |
| 16 | 8.9 | 5.9 | 9.6 | 6.4 | 4.5 | 5.0 | 3.5 | 1.8 | 3.2 | 5.0 | 4.7 | 2.5 | 1.3 | 3.0 | 3.7 | 3.5 | 3.2 | 2.8 | 4.7 | 5.0 | 6.9 | 18.4 | 17.9 | 18.6 | 24 | 18.6 |
| 17 | 21.8 | 14.4 | 10.6 | 13.9 | 18.6 | 21.5 | 16.7 | 15.4 | 7.6 | 10.1 | 9.8 | 6.9 | 4.7 | 5.9 | 6.4 | 5.7 | 5.7 | 5.7 | 7.2 | 7.4 | 8.9 | 11.0 | 14.7 | 16.7 | 24 | 21.8 |
| 18 | 21.0 | 11.3 | 17.4 | 17.9 | 14.4 | 17.9 | 15.9 | 14.4 | 10.3 | 6.7 | 4.5 | 4.5 | 3.7 | 7.7 | 6.7 | 3.3 | 3.0 | 4.7 | 9.9 | 10.1 | 10.8 | 8.1 | 9.4 | 9.1 | 24 | 21.0 |
| 19 | 13.8 | 13.5 | 11.1 | 17.2 | 11.8 | 17.2 | 17.7 | 12.5 | 11.8 | 13.8 | 8.6 | 5.9 | 6.4 | 6.9 | 5.5 | 9.8 | 8.4 | 11.1 | 11.8 | 20.6 | 13.5 | 18.4 | 22.0 | 16.7 | 24 | 22.0 |
| 20 | 22.8 | 19.8 | 19.1 | 16.7 | 13.8 | 8.9 | 12.0 | 10.3 | 9.8 | AX | BA | BA | 5.7 | 2.7 | 4.2 | 5.5 | 8.6 | 6.6 | 4.7 | 10.6 | 10.1 | 7.6 | 9.3 | 9.8 | 21 | 22.8 |
| 21 | 10.8 | 9.6 | 12.8 | 13.3 | 19.8 | 15.9 | 15.7 | 17.6 | 13.3 | 13.0 | 14.3 | 13.3 | 14.0 | 17.9 | 16.9 | 11.5 | 12.5 | 13.2 | 11.8 | 20.5 | 14.5 | 9.3 | 12.5 | 12.3 | 24 | 20.5 |
| 22 | 8.6 | 12.3 | 10.1 | 8.4 | 9.3 | 8.6 | 8.8 | 14.7 | 13.3 | 8.3 | 13.3 | 11.6 | 10.5 | 14.5 | 12.3 | 9.8 | 6.4 | 9.3 | 9.8 | 11.8 | 14.2 | 13.5 | 9.6 | 10.6 | 24 | 14.7 |
| 23 | 9.8 | 11.5 | 9.8 | 8.6 | 11.0 | 6.7 | 7.4 | 6.2 | 6.1 | 3.7 | 5.2 | 6.9 | 4.0 | 2.0 | 2.5 | 3.7 | 1.4 | 3.9 | 4.2 | 5.7 | 7.6 | 7.9 | 6.6 | 8.8 | 24 | 11.5 |
| 24 | 10.0 | 7.8 | 9.6 | 9.1 | 10.1 | 11.5 | 18.4 | 7.6 | 5.9 | 9.6 | 7.9 | 6.4 | 6.4 | 7.4 | 6.4 | 8.8 | 7.1 | 7.8 | 7.8 | 5.9 | 6.9 | 7.1 | 7.6 | 8.1 | 24 | 18.4 |
| 25 | 7.1 | 7.8 | 10.6 | 8.9 | 9.1 | 11.8 | 13.7 | 25.7 | 17.2 | 8.1 | 8.6 | 8.3 | 11.3 | 9.3 | 7.4 | 12.3 | 10.6 | 10.8 | 9.6 | 8.8 | 8.8 | 11.0 | 10.3 | 7.1 | 24 | 25.7 |
| 26 | 8.1 | 13.5 | 13.3 | 15.2 | 6.6 | 6.9 | 12.3 | 12.3 | 10.0 | 9.3 | 13.0 | 9.8 | 12.5 | 12.3 | 10.3 | 12.3 | 12.3 | 9.8 | 13.0 | 11.8 | 13.5 | 11.3 | 10.3 | 17.9 | 24 | 17.9 |
| 27 | 14.9 | 18.4 | 17.4 | 14.7 | 18.9 | 17.6 | 21.7 | 18.6 | 15.9 | 15.4 | 17.1 | 19.6 | 16.4 | 11.8 | 15.4 | 12.0 | 7.1 | 8.6 | 10.3 | 7.9 | 10.0 | 15.2 | 13.3 | 15.6 | 24 | 21.7 |
| 28 | 12.5 | 12.0 | 9.8 | 18.4 | 12.5 | 17.4 | 18.1 | 15.4 | 19.3 | 14.7 | 18.1 | 20.3 | 17.9 | 11.3 | 10.6 | 11.8 | 12.8 | 10.0 | 8.3 | 8.6 | 9.3 | 8.3 | 8.8 | 12.3 | 24 | 20.3 |
| 29 | 9.6 | 12.3 | 8.1 | 5.4 | 9.8 | 7.4 | 8.3 | 8.6 | 7.1 | 3.7 | 1.6 | 3.2 | 5.9 | 8.6 | 5.9 | 4.0 | 3.0 | 5.2 | 10.3 | 9.1 | 13.5 | 16.9 | 18.1 | 17.4 | 24 | 18.1 |
| 30 | 15.1 | 10.8 | 12.5 | 13.7 | 11.1 | 7.8 | 6.9 | 4.4 | 5.4 | 5.2 | 4.2 | 3.5 | 3.7 | 6.4 | 6.6 | 11.8 | 11.5 | 12.5 | 15.6 | 8.1 | 9.8 | 10.0 | 9.1 | 7.1 | 24 | 15.6 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 28 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 22.8 | 19.8 | 19.1 | 18.4 | 19.8 | 21.5 | 21.7 | 25.7 | 19.3 | 15.4 | 18.1 | 20.3 | 17.9 | 17.9 | 16.9 | 12.3 | 12.8 | 13.2 | 15.6 | 20.6 | 14.9 | 18.4 | 22.0 | 18.6 | | |
| AVG: | 10.61 | 10.05 | 9.97 | 10.25 | 10.28 | 9.92 | 10.38 | 10.06 | 8.92 | 7.71 | 8.04 | 7.41 | 7.07 | 7.12 | 7.01 | 7.32 | 6.48 | 6.37 | 7.54 | 9.13 | 9.37 | 9.57 | 10.21 | 10.42 | | |

MONTHLY OBSERVATIONS: 712 MONTHLY MEAN: 8.82 MONTHLY MAX: 25.7

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-057-0002 POC: 3
COUNTY: (057) Davidson
CITY: (38060) Lexington
SITE ADDRESS: S.SALISBURY ST
SITE COMMENTS: SITE LOCATED AT WATER TOWER AT CORNER HWY 8 & MAIN ST.
MONITOR COMMENTS: ID2=409

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.814444
LONGITUDE: -80.2625
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 241
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MAY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.9 | 5.5 | 10.3 | 10.3 | 8.8 | 9.8 | 7.1 | 4.7 | 2.0 | -1.3 | 1.8 | 5.4 | 4.7 | 4.4 | 6.9 | 6.4 | 10.8 | 10.6 | 10.3 | 7.1 | 5.4 | 10.3 | 7.1 | 6.7 | 24 | 10.8 |
| 2 | 8.6 | 8.8 | 9.8 | 6.4 | 8.6 | 8.3 | 7.8 | 10.3 | 10.8 | 9.6 | 12.3 | 10.8 | 9.6 | 8.6 | 7.6 | 6.9 | 12.8 | 12.0 | 11.3 | 10.3 | 9.6 | 9.3 | 9.3 | 5.9 | 24 | 12.8 |
| 3 | 1.8 | 1.8 | 1.6 | 1.7 | 1.8 | 3.5 | 5.4 | 6.9 | 4.2 | 4.9 | .8 | 2.7 | 7.1 | 4.0 | 5.9 | 7.4 | 4.7 | 3.5 | 7.4 | 6.9 | 8.3 | 7.6 | 9.8 | 10.5 | 24 | 10.5 |
| 4 | 8.8 | 8.6 | 6.6 | 8.6 | 8.6 | 8.1 | 11.3 | 9.8 | 11.3 | 8.6 | AX | AX | BA | BA | 5.6 | 3.9 | 2.9 | 3.2 | 6.1 | 6.1 | 8.1 | 12.0 | 14.5 | 12.2 | 20 | 14.5 |
| 5 | 14.9 | 12.7 | 7.6 | 4.4 | 10.5 | 6.4 | 5.9 | 6.9 | 3.7 | 2.0 | 4.0 | 6.1 | 3.5 | 1.7 | 4.9 | 3.2 | 1.5 | 1.1 | 6.1 | 5.4 | 3.7 | 3.5 | 4.4 | 3.2 | 24 | 14.9 |
| 6 | .8 | 1.7 | 2.7 | 2.7 | 3.0 | 5.7 | 3.4 | .3 | 3.7 | 5.7 | 5.2 | 5.0 | 3.4 | 4.9 | 4.4 | 1.3 | .0 | 2.7 | 10.8 | 10.3 | 7.4 | 5.4 | 5.9 | 4.9 | 24 | 10.8 |
| 7 | 4.9 | 5.4 | 6.4 | 7.8 | 5.9 | 10.1 | 6.6 | 12.5 | 7.1 | 2.2 | 2.5 | 4.2 | 3.4 | 3.7 | 8.8 | 8.6 | 6.9 | 9.6 | 8.1 | 10.5 | 8.3 | 8.3 | 15.1 | 12.5 | 24 | 15.1 |
| 8 | 9.8 | 7.4 | 9.3 | 8.3 | 11.3 | 12.0 | 8.6 | 5.7 | 6.6 | 9.1 | 7.1 | 10.8 | 7.1 | 6.1 | 8.3 | 11.8 | 8.1 | 11.5 | 14.0 | 10.0 | 16.6 | 11.5 | 13.7 | 10.0 | 24 | 16.6 |
| 9 | 11.5 | 14.5 | 12.5 | 13.2 | 13.5 | 12.0 | 11.8 | 13.7 | 21.8 | 18.6 | 18.8 | 17.4 | 24.9 | 24.2 | 19.6 | 21.3 | 21.5 | 21.3 | 22.5 | 27.5 | 26.2 | 27.2 | 24.7 | 19.6 | 24 | 27.5 |
| 10 | 22.8 | 16.4 | 24.2 | 22.3 | 22.0 | 21.3 | 27.2 | 23.0 | BA | BA | 14.5 | 12.7 | 12.7 | 15.0 | 15.0 | 19.1 | 13.8 | 12.5 | 15.4 | 12.2 | 15.0 | 13.7 | 12.5 | 15.0 | 22 | 27.2 |
| 11 | 18.6 | 15.6 | 15.4 | 17.6 | 15.9 | 20.5 | 15.4 | 13.0 | 19.8 | 15.6 | 17.9 | 16.1 | 16.4 | 13.7 | 13.0 | 9.3 | 10.0 | 9.8 | 12.5 | 10.8 | 21.7 | 19.8 | 13.7 | 17.9 | 24 | 21.7 |
| 12 | 20.5 | 14.0 | 18.1 | 15.1 | 16.1 | 14.7 | 9.1 | 14.7 | 17.1 | 28.2 | 17.9 | 22.0 | 13.2 | 14.7 | 14.7 | 10.0 | 12.3 | 11.2 | 7.6 | 9.1 | 9.1 | 7.3 | 5.9 | 4.2 | 24 | 28.2 |
| 13 | 3.0 | 2.7 | 4.7 | 8.1 | 12.7 | 10.5 | 10.0 | 9.3 | 9.8 | 12.0 | 7.4 | 2.7 | 3.0 | 2.5 | 3.4 | 3.4 | 2.5 | 3.4 | 2.0 | 2.1 | 3.4 | 9.0 | 8.6 | 11.5 | 24 | 12.7 |
| 14 | 10.0 | 8.6 | 8.3 | 7.1 | 8.6 | 6.6 | 5.2 | 4.2 | 4.9 | 3.4 | 6.8 | 6.1 | 5.9 | 4.7 | 4.2 | 3.7 | 2.5 | 3.0 | 3.7 | 2.7 | 4.4 | 5.4 | 5.6 | 4.7 | 24 | 10.0 |
| 15 | 6.8 | 4.7 | 2.2 | 1.7 | 3.2 | 2.2 | 3.9 | 3.2 | 2.0 | 6.6 | 3.4 | 4.2 | 4.4 | .6 | -.6 | .8 | 1.4 | 1.7 | 1.1 | 1.7 | 5.2 | 6.1 | 6.6 | 6.6 | 24 | 6.8 |
| 16 | 7.3 | 7.6 | 12.0 | 12.5 | 11.0 | 9.5 | 6.4 | 7.4 | 5.4 | 2.5 | 3.9 | 4.7 | 3.2 | 6.6 | 5.9 | 2.7 | 2.7 | 5.4 | 6.1 | 5.2 | 14.2 | 8.3 | 10.5 | 13.0 | 24 | 14.2 |
| 17 | 9.8 | 6.6 | 10.3 | 10.3 | 7.8 | 15.9 | 4.9 | 6.4 | 5.4 | 3.7 | 4.9 | 4.7 | 4.5 | 4.7 | 3.7 | 6.6 | 6.9 | 9.1 | 6.9 | 3.7 | 2.0 | 4.2 | 3.7 | 8.1 | 24 | 15.9 |
| 18 | 8.6 | 6.9 | 7.1 | 7.9 | 6.4 | 7.6 | 5.9 | 4.7 | 3.7 | 5.4 | 5.4 | 5.2 | 3.7 | 3.2 | 12.7 | 6.4 | 4.2 | 5.2 | 4.9 | 5.2 | 8.1 | 10.8 | 8.3 | 16.9 | 24 | 16.9 |
| 19 | 8.3 | 5.7 | 3.5 | 7.1 | 7.6 | 4.4 | 4.9 | 11.3 | 15.9 | 14.5 | 11.0 | 12.0 | 9.8 | 9.6 | 10.0 | 13.2 | 12.5 | 9.3 | 7.1 | 6.9 | 7.6 | 6.9 | 10.1 | 10.5 | 24 | 15.9 |
| 20 | 7.6 | 5.2 | 5.4 | 7.6 | 8.8 | 11.0 | 8.1 | 9.8 | 8.6 | 7.6 | AZ | AZ | 6.9 | 5.9 | 5.4 | 7.1 | 8.1 | 7.1 | 8.1 | 8.1 | 7.6 | 4.5 | 1.4 | -.5 | 22 | 11.0 |
| 21 | -2.5 | -3.0 | 1.6 | 4.7 | 3.9 | 1.8 | .6 | 2.0 | 3.7 | 2.5 | 1.4 | 3.5 | .6 | 2.2 | 4.7 | 3.5 | 3.5 | 2.7 | 2.2 | 3.2 | 5.9 | 5.9 | 5.2 | 3.5 | 24 | 5.9 |
| 22 | 4.9 | 1.8 | -3.4 | -1.0 | 1.9 | 3.0 | 4.0 | 3.7 | 3.0 | 2.3 | 4.2 | 5.0 | 4.7 | 3.2 | 5.2 | 3.2 | 2.5 | 5.7 | 6.9 | 6.6 | 6.6 | 7.8 | 4.7 | 3.5 | 24 | 7.8 |
| 23 | 3.7 | 4.4 | 5.4 | 2.9 | 4.7 | 6.9 | 8.6 | 8.1 | 8.1 | 6.1 | 4.9 | 2.0 | 4.4 | 4.7 | 1.1 | -.8 | .1 | .1 | .0 | 1.8 | 10.5 | 9.8 | 8.3 | 9.1 | 24 | 10.5 |
| 24 | 6.4 | 2.0 | 1.6 | 16.9 | 7.1 | 15.4 | 8.6 | 5.4 | 1.8 | 2.0 | BA | BA | 5.2 | 3.7 | 4.7 | 7.3 | 3.9 | 2.5 | 5.2 | 9.3 | 10.0 | 10.3 | 9.1 | 12.3 | 22 | 16.9 |
| 25 | 13.2 | 9.8 | 14.5 | 11.5 | 10.8 | 12.0 | 20.3 | 19.3 | 10.0 | 11.5 | 11.8 | 12.3 | 12.0 | 9.6 | 8.1 | 8.1 | 14.5 | 11.5 | 13.0 | 16.6 | 20.8 | 15.0 | 15.0 | 16.1 | 24 | 20.8 |
| 26 | 20.0 | 16.4 | 22.7 | 16.4 | 15.6 | 20.3 | 20.8 | 19.6 | 21.0 | 21.5 | 16.6 | 17.6 | 17.4 | 13.2 | 16.4 | 18.4 | 15.5 | 14.7 | 14.2 | 21.7 | 23.5 | 21.0 | 19.6 | 22.7 | 24 | 23.5 |
| 27 | 19.5 | 16.2 | 19.8 | 19.6 | 15.6 | 21.2 | 11.5 | 15.2 | 14.7 | 11.3 | 12.8 | 13.7 | 17.9 | 16.9 | 13.7 | 16.4 | 9.8 | 13.0 | 18.6 | 15.0 | 21.7 | 19.6 | 21.7 | 12.7 | 24 | 21.7 |
| 28 | 9.1 | 15.6 | 13.2 | 13.5 | 15.6 | 10.5 | 11.0 | 12.3 | 9.3 | 14.2 | 11.0 | 11.3 | 8.8 | 12.7 | 11.5 | 8.3 | 7.8 | 8.3 | 8.6 | 11.0 | 9.5 | 13.0 | 15.0 | 13.5 | 24 | 15.6 |
| 29 | 11.5 | 12.2 | 13.2 | 14.0 | 14.7 | 9.8 | 11.0 | 12.0 | 9.5 | 9.3 | 8.8 | 8.6 | 6.4 | 6.1 | 3.7 | 3.2 | 8.8 | 6.2 | 6.6 | 5.4 | 3.9 | 3.5 | 1.8 | 5.9 | 24 | 14.7 |
| 30 | 6.1 | 5.4 | 4.5 | 7.1 | 4.7 | 4.7 | 7.4 | 6.1 | 5.9 | 4.9 | 1.8 | 2.5 | 2.5 | 7.8 | 5.4 | 1.1 | 2.5 | 2.6 | 3.2 | 4.9 | 4.0 | 5.4 | 2.5 | -.8 | 24 | 7.8 |
| 31 | 2.5 | 2.3 | .8 | 4.7 | 4.2 | 4.9 | 3.2 | 3.7 | 4.4 | 3.7 | 5.2 | 4.2 | 8.8 | 6.6 | 4.0 | 6.1 | 5.4 | 7.1 | 5.7 | 6.6 | 8.8 | 10.3 | 9.3 | 9.1 | 24 | 10.3 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 28 | 28 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 22.8 | 16.4 | 24.2 | 22.3 | 22.0 | 21.3 | 27.2 | 23.0 | 21.8 | 28.2 | 18.8 | 22.0 | 24.9 | 24.2 | 19.6 | 21.3 | 21.5 | 21.3 | 22.5 | 27.5 | 26.2 | 27.2 | 24.7 | 22.7 | | |
| AVG: | 9.18 | 7.85 | 8.77 | 9.39 | 9.38 | 10.02 | 8.90 | 9.20 | 8.51 | 8.27 | 8.00 | 8.34 | 7.87 | 7.52 | 7.67 | 7.35 | 7.11 | 7.34 | 8.26 | 8.51 | 10.23 | 10.09 | 9.79 | 9.71 | | |

MONTHLY OBSERVATIONS: 734 MONTHLY MEAN: 8.64 MONTHLY MAX: 28.2

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-057-0002 POC: 3
COUNTY: (057) Davidson
CITY: (38060) Lexington
SITE ADDRESS: S.SALISBURY ST
SITE COMMENTS: SITE LOCATED AT WATER TOWER AT CORNER HWY 8 & MAIN ST.
MONITOR COMMENTS: ID2=409

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.814444
LONGITUDE: -80.2625
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 241
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JUNE 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.8 | 6.4 | 6.4 | 4.5 | 4.9 | 7.4 | 7.4 | 6.1 | 4.7 | 3.7 | 5.7 | 5.2 | 7.4 | 5.4 | 1.3 | 3.5 | 8.1 | 8.1 | 16.9 | 14.0 | 9.1 | 16.1 | 11.0 | 8.8 | 24 | 16.9 |
| 2 | 4.4 | 2.9 | 3.7 | 11.7 | 8.8 | 8.8 | 4.7 | 10.3 | 6.4 | 4.4 | 4.7 | 5.4 | 6.4 | 7.6 | 11.5 | 12.8 | 9.6 | 6.4 | 4.4 | 1.8 | 4.4 | 9.3 | 7.4 | 5.9 | 24 | 12.8 |
| 3 | 5.6 | 3.9 | 1.3 | 2.3 | 4.5 | 5.9 | 9.8 | 8.3 | 4.2 | 7.4 | 7.4 | 7.6 | 10.1 | 9.8 | 11.3 | 12.0 | 12.0 | 11.5 | 7.8 | 10.8 | 15.6 | 14.0 | 9.5 | 14.0 | 24 | 15.6 |
| 4 | 11.0 | AV | AV | 12.0 | 13.2 | 12.3 | 13.7 | 14.7 | 12.5 | 13.2 | 10.8 | 12.3 | 11.8 | 12.0 | 9.5 | 12.0 | 14.2 | 10.5 | 11.3 | 11.5 | AV | AV | AV | AV | 18 | 14.7 |
| 5 | -4.4 | -4.4 | -.3 | 4.2 | 2.7 | 1.8 | 2.7 | 4.4 | 4.0 | 6.9 | 4.5 | -.3 | 4.2 | 3.9 | .6 | -.1 | 2.1 | 3.9 | 2.3 | 1.8 | 4.2 | 4.2 | 2.3 | -.8 | 24 | 6.9 |
| 6 | .8 | .6 | 4.2 | 3.2 | 1.6 | 3.4 | 2.1 | 13.2 | 7.6 | 2.6 | AX | BA | BA | 11.5 | 10.8 | 6.6 | 4.2 | 4.9 | 4.7 | 4.2 | 4.7 | 5.0 | 10.5 | 12.0 | 21 | 13.2 |
| 7 | 11.8 | 6.4 | 11.6 | 10.3 | 7.1 | 7.6 | 5.9 | 3.0 | 1.9 | 10.1 | 7.9 | 8.4 | 8.8 | 5.7 | 6.1 | 9.8 | 7.9 | 6.6 | 4.2 | 6.4 | 6.4 | 5.9 | 5.4 | 4.0 | 24 | 11.8 |
| 8 | 5.4 6 | 4.5 6 | 4.2 6 | 7.6 6 | 6.9 6 | 4.5 6 | 8.6 6 | 5.2 | 1.1 | 1.6 | 7.1 | 5.0 | 2.5 | 4.5 | 4.7 | 1.9 | 2.1 | 3.5 | 3.7 | 5.0 | 4.7 | 6.2 | 8.1 | 7.4 | 24 | 8.6 |
| 9 | 5.7 | 8.1 | 6.4 | 12.0 | 7.4 | 8.6 | 5.9 | 8.1 | 10.1 | 5.4 | 2.1 | 2.2 | 6.2 | 5.5 | 8.8 | 5.9 | 4.5 | 3.7 | 6.2 | 11.0 | 12.8 | 11.3 | 10.5 | 11.8 | 24 | 12.8 |
| 10 | 10.3 | 8.3 | 15.6 | 11.3 | 12.7 | 11.8 | 9.6 | 8.9 | 9.1 | 6.4 | 6.6 | 7.9 | 7.6 | 5.7 | 5.2 | 6.9 | 6.6 | 6.2 | 6.9 | 11.6 | 13.7 | 8.4 | 6.9 | 14.2 | 24 | 15.6 |
| 11 | 15.2 | 12.8 | 15.9 | 14.5 | 16.9 | 16.7 | 15.0 | 14.2 | 12.0 | 16.9 | 10.8 | AV | AV | 2.8 | 11.8 | 7.9 | 6.7 | 15.2 | 8.1 | 17.4 | 14.2 | 13.0 | 16.4 | 18.4 | 22 | 18.4 |
| 12 | 11.3 | 10.6 | 12.0 | 15.7 | 20.1 | 14.3 | 17.1 | 14.8 | 12.5 | 7.2 | 6.4 | 14.3 | 12.5 | 13.3 | 14.0 | 12.8 | 11.3 | 11.3 | 13.3 | 13.5 | 12.3 | 13.5 | 18.4 | 13.3 | 24 | 20.1 |
| 13 | 15.7 | 15.7 | 13.8 | 16.6 | 9.6 | 11.5 | 7.1 | 4.5 | 2.7 | .0 | .6 | 2.0 | 2.5 | 1.8 | 6.4 | 5.2 | .6 | 2.7 | 6.4 | 11.3 | 8.9 | 6.2 | 8.1 | 6.2 | 24 | 16.6 |
| 14 | 11.0 | 10.8 | 8.8 | 8.8 | 11.5 | 11.5 | 9.1 | 12.3 | 11.3 | 15.2 | 8.1 | 6.9 | 5.7 | 7.4 | 7.6 | 6.2 | 10.1 | 12.0 | 7.6 | 8.1 | 13.7 | 14.5 | 13.0 | 12.5 | 24 | 15.2 |
| 15 | 12.5 | 8.8 | 5.7 | 12.0 | 15.9 | 14.5 | 12.5 | 7.7 | 16.7 | 13.0 | 12.8 | 20.6 | 20.5 | 16.1 | 19.8 | 11.1 | 16.7 | 5.9 | 3.0 | -.8 | .6 | 4.2 | 3.7 | 3.0 | 24 | 20.6 |
| 16 | 1.9 | -1.2 | -1.0 | -1.0 | 1.1 | 1.6 | .0 | 1.4 | 6.9 | 7.1 | 4.0 | 6.7 | 4.2 | 1.9 | 2.8 | 3.0 | 6.4 | 6.2 | 4.0 | 5.5 | 8.4 | 7.1 | 10.6 | 6.4 | 24 | 10.6 |
| 17 | 5.0 | 3.5 | 1.6 | 2.3 | 4.5 | 5.4 | 4.7 | 5.7 | 4.2 | 5.0 | 3.7 | .9 | .9 | 3.7 | 8.1 | 5.0 | 1.6 | .1 | .1 | 2.0 | 1.4 | 1.6 | 4.2 | 3.5 | 24 | 8.1 |
| 18 | 2.5 | 4.0 | 4.5 | 1.1 | .6 | 4.9 | 5.9 | 5.2 | 4.7 | 4.7 | 7.1 | 5.4 | 7.4 | 5.0 | 2.5 | 3.0 | 4.7 | 6.7 | 5.4 | 4.0 | 13.5 | 8.6 | 5.4 | 6.4 | 24 | 13.5 |
| 19 | 7.4 | 9.1 | 7.4 | 7.4 | 7.6 | 10.1 | 9.3 | 6.0 | 3.2 | 3.7 | 4.5 | 4.0 | 2.8 | 3.7 | 2.8 | 1.1 | 1.6 | 5.2 | 5.4 | 9.6 | 8.6 | 6.9 | 11.8 | 11.8 | 24 | 11.8 |
| 20 | 7.9 | 9.6 | 8.1 | 6.4 | 6.9 | 8.3 | 9.3 | 10.1 | 6.9 | 7.2 | 5.2 | 4.2 | 4.5 | 4.5 | 5.5 | 8.4 | 5.2 | 4.0 | 8.9 | 9.8 | 7.1 | 8.6 | 11.1 | 11.8 | 24 | 11.8 |
| 21 | 12.0 | 8.1 | 5.0 | 24.5 | 8.1 | 12.3 | 14.9 | 11.3 | 9.8 | AX | BA | 11.2 | 7.3 | 13.7 | 9.3 | 6.9 | 8.6 | 8.6 | 11.3 | 14.0 | 19.3 | 14.2 | 12.0 | 14.9 | 22 | 24.5 |
| 22 | 15.4 | 14.2 | 16.4 | 18.9 | 22.0 | 16.2 | 13.5 | 19.1 | 15.6 | 8.4 | 9.8 | 11.8 | 8.1 | 11.6 | 14.7 | 9.3 | 17.2 | 12.8 | 9.3 | 16.7 | 12.3 | 16.7 | 8.1 | 14.0 | 24 | 22.0 |
| 23 | 14.2 | 17.1 | 24.2 | 8.6 | 20.5 | 23.2 | 17.4 | 14.0 | 16.4 | 16.1 | 17.4 | 13.5 | 17.6 | 12.0 | 13.0 | 11.5 | 8.4 | 20.3 | 10.1 | 16.9 | 14.5 | 14.0 | 8.8 | 3.7 | 24 | 24.2 |
| 24 | 4.7 | 3.5 | .6 | .0 | 2.2 | 4.0 | 9.3 | 6.9 | 10.8 | 12.0 | 12.5 | 11.1 | 7.6 | 10.6 | 7.4 | 6.2 | 6.2 | 6.7 | 5.9 | 5.5 | 6.1 | 11.3 | 9.3 | 6.7 | 24 | 12.5 |
| 25 | 9.3 | 12.5 | 12.1 | 12.0 | 11.3 | 11.1 | 8.9 | 7.9 | 12.1 | 9.1 | 9.6 | 7.9 | 8.1 | 13.8 | 13.3 | 7.6 | 9.8 | 7.6 | 6.4 | 6.9 | 6.2 | 14.9 | 11.8 | 9.3 | 24 | 14.9 |
| 26 | 10.1 | 9.6 | 10.6 | 12.5 | 9.3 | 9.3 | 8.6 | 8.3 | 5.9 | 4.9 | 9.3 | 7.9 | 6.6 | 4.0 | 4.0 | 7.1 | 10.1 | 9.3 | 5.9 | 6.1 | 5.9 | 8.1 | 9.1 | 9.6 | 24 | 12.5 |
| 27 | 9.6 | 8.3 | 6.9 | 8.8 | 12.0 | 14.5 | 25.4 | 17.4 | 13.5 | 10.1 | 11.3 | 11.8 | 8.8 | 8.1 | 12.8 | 11.1 | 14.0 | 21.5 | 12.3 | 12.5 | 13.7 | 8.6 | 6.7 | 7.4 | 24 | 25.4 |
| 28 | 4.2 | 4.7 | 10.3 | 14.3 | 11.3 | 11.8 | 14.3 | 13.5 | 13.5 | 8.9 | 12.5 | 12.5 | 8.8 | 6.6 | 5.9 | 5.4 | 6.6 | 4.2 | 4.4 | 10.3 | 7.6 | 8.6 | 17.6 | 15.6 | 24 | 17.6 |
| 29 | 13.7 | 12.0 | 14.5 | 9.8 | 8.1 | 14.8 | 11.3 | 10.8 | 11.3 | 9.6 | 11.8 | 8.6 | 6.6 | 9.6 | 10.6 | 7.6 | 7.8 | 8.3 | 8.8 | 10.1 | 10.6 | 10.3 | 16.6 | 10.6 | 24 | 16.6 |
| 30 | 8.4 | 5.9 | 5.0 | 5.2 | 5.0 | 6.7 | 5.2 | 11.5 | 12.0 | 13.7 | 19.4 | 17.9 | 11.5 | 10.6 | 7.9 | 6.2 | 7.6 | 11.5 | 9.6 | 9.1 | 11.1 | 17.4 | 13.0 | 10.8 | 24 | 19.4 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 28 | 28 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | | |
| MAX: | 15.7 | 17.1 | 24.2 | 24.5 | 22.0 | 23.2 | 25.4 | 19.1 | 16.7 | 16.9 | 19.4 | 20.6 | 20.5 | 16.1 | 19.8 | 12.8 | 17.2 | 21.5 | 16.9 | 17.4 | 19.3 | 17.4 | 18.4 | 18.4 | | |
| AVG: | 8.41 | 7.46 | 8.12 | 9.25 | 9.14 | 9.83 | 9.64 | 9.49 | 8.79 | 8.09 | 8.34 | 8.32 | 7.75 | 7.75 | 8.33 | 7.13 | 7.75 | 8.18 | 7.15 | 8.89 | 9.37 | 9.96 | 9.91 | 9.42 | | |

MONTHLY OBSERVATIONS: 707 MONTHLY MEAN: 8.60 MONTHLY MAX: 25.4

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-057-0002 POC: 3
COUNTY: (057) Davidson
CITY: (38060) Lexington
SITE ADDRESS: S.SALISBURY ST
SITE COMMENTS: SITE LOCATED AT WATER TOWER AT CORNER HWY 8 & MAIN ST.
MONITOR COMMENTS: ID2=409

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.814444
LONGITUDE: -80.2625
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 241
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JULY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.3 | 10.6 | 9.6 | 11.5 | 12.0 | 16.9 | 16.9 | 10.6 | 6.7 | 6.2 | 16.2 | 14.3 | 13.5 | 10.6 | 10.8 | 8.8 | 8.3 | 7.1 | 10.1 | 9.8 | 12.3 | 12.8 | 17.1 | 14.9 | 24 | 17.1 |
| 2 | 11.5 | 15.9 | 9.6 | 18.6 | 13.3 | 12.5 | 18.9 | 9.3 | 10.6 | 11.3 | 8.6 | 8.8 | 8.1 | 6.9 | 9.3 | 8.3 | 9.6 | 15.2 | 12.8 | 9.8 | 10.8 | 6.7 | 3.7 | 3.7 | 24 | 18.9 |
| 3 | 6.7 | 4.2 | 10.8 | 7.6 | 3.5 | 5.7 | 5.7 | 5.9 | 4.2 | 5.9 | 7.1 | 7.2 | 8.8 | 10.3 | 10.6 | 6.2 | 11.3 | 10.8 | 15.4 | 9.3 | 8.9 | 20.8 | 22.8 | 24.7 | 24 | 24.7 |
| 4 | 29.3 | 21.5 | 17.9 | 8.1 | 5.0 | 3.8 | 1.1 | -1.5 | 1.1 | 6.2 | 6.0 | 8.6 | 10.6 | 14.5 | 18.1 | 18.4 | 16.7 | 15.2 | 20.1 | 13.0 | 16.7 | 20.8 | 15.7 | 6.2 | 24 | 29.3 |
| 5 | 7.9 | 6.2 | 9.3 | 14.5 | 14.0 | 15.0 | 8.8 | 12.0 | 12.5 | 15.6 | 12.0 | 11.5 | 16.1 | 15.9 | 10.3 | 9.1 | 4.7 | 1.6 | 2.7 | 5.6 | 3.7 | 9.5 | 17.1 | 4.2 | 24 | 17.1 |
| 6 | 3.5 | 4.4 | 6.1 | 5.4 | 4.2 | 7.3 | 8.6 | 6.4 | 4.4 | 5.4 | 7.6 | 6.1 | 4.7 | 2.7 | 4.9 | 5.4 | 8.1 | 6.4 | 8.3 | 6.4 | 5.7 | 10.0 | 7.1 | 6.4 | 24 | 10.0 |
| 7 | 10.8 | 10.5 | 9.1 | 5.9 | 5.4 | 4.2 | 5.2 | 5.4 | 6.9 | 8.8 | 5.2 | 5.9 | 5.4 | 3.7 | 3.2 | 7.1 | 8.3 | 4.7 | -.8 | -.1 | 3.5 | 3.0 | -.3 | -1.0 | 24 | 10.8 |
| 8 | .3 | .1 | 3.5 | 1.6 | 3.2 | 5.7 | 6.2 | 6.4 | AX | BA | BA | 3.2 | 4.5 | -4.4 | -4.4 | 6.4 | 6.4 | 10.3 | 5.7 | .9 | -1.3 | .1 | -.3 | -2.5 | 21 | 10.3 |
| 9 | -3.9 | -2.7 | 2.3 | 1.4 | -.3 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 5 | 2.3 |
| 10 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 11 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AX | BA | BA | 2.2 | 6.9 | 7.1 | 4.9 | 6.6 | 5.2 | 2.0 | -.3 | 6.2 | 5.2 | -.5 | 11 | 7.1 |
| 12 | -3.7 | -.8 | 2.3 | 2.5 | 3.3 | 3.0 | 5.0 | 5.2 | 1.6 | 1.1 | 1.1 | 1.6 | .9 | 2.3 | .1 | -1.3 | -1.2 | -4.4 | -3.4 | 1.4 | 1.8 | -1.7 | -3.0 | -2.4 | 24 | 5.2 |
| 13 | -2.7 | -2.5 | -2.0 | 1.6 | 3.2 | 3.9 | 3.5 | 2.3 | .6 | 16.0 | 8.3 | 18.1 | 19.3 | 11.0 | 17.1 | 8.8 | 15.0 | 11.0 | 17.1 | 17.1 | 24.6 | 26.4 | 16.4 | 13.0 | 24 | 26.4 |
| 14 | 13.2 | 18.6 | 15.6 | 6.4 | 15.4 | 19.8 | 13.0 | 14.2 | 15.0 | 14.7 | 9.3 | 2.7 | -.3 | 5.9 | 6.6 | 11.3 | 9.8 | 3.7 | .1 | -.1 | -.3 | 2.7 | 2.7 | 3.0 | 24 | 19.8 |
| 15 | 3.9 | 5.9 | 6.9 | 3.9 | .6 | 9.1 | 10.3 | 5.4 | -1.4 | BA | BA | -4.4 | -1.5 | .1 | -3.2 | -2.7 | -1.0 | -1.5 | -1.0 | 4.2 | 2.0 | -2.5 | -3.7 | -.3 | 22 | 10.3 |
| 16 | 3.5 | 2.0 | 2.0 | 2.0 | 6.4 | 3.2 | 1.4 | 3.0 | 2.1 | 2.0 | 2.3 | 3.2 | .9 | 11.1 | 6.7 | 2.7 | 7.1 | 4.7 | 3.2 | 2.2 | 1.4 | -.8 | -3.2 | -1.7 | 24 | 11.1 |
| 17 | .9 | -2.9 | -4.4 | 1.4 | 2.3 | .6 | -.3 | 4.2 | 3.7 | .9 | 2.1 | .9 | -.8 | -2.0 | 3.0 | 5.4 | 5.0 | 2.1 | 1.6 | 3.0 | 18.9 | -1.2 | 1.4 | 1.6 | 24 | 18.9 |
| 18 | 3.5 | 1.9 | -.3 | 6.4 | 4.5 | .6 | .6 | 2.5 | 5.9 | 4.5 | 4.0 | .6 | .1 | 4.5 | 7.9 | 5.2 | 1.6 | 3.0 | 4.0 | 4.7 | 3.5 | 6.7 | 4.2 | -.3 | 24 | 7.9 |
| 19 | -2.0 | -.3 | 1.9 | -1.2 | -2.4 | 1.6 | 2.5 | 4.0 | 2.5 | AX | BA | 4.7 | 4.7 | 4.2 | 2.1 | 1.1 | 3.2 | 2.7 | 2.0 | 3.5 | .6 | -1.3 | 1.3 | 1.6 | 22 | 4.7 |
| 20 | .1 | .6 | 1.6 | 6.4 | 5.2 | 2.0 | .9 | -.5 | -1.3 | 5.0 | 7.4 | 5.2 | 4.2 | 5.7 | 7.4 | 4.5 | 3.2 | 4.5 | 7.6 | 10.3 | 13.3 | 10.8 | 11.3 | 14.0 | 24 | 14.0 |
| 21 | 12.5 | 15.0 | 12.5 | 11.3 | 11.8 | 12.0 | 13.3 | 11.3 | 8.9 | 13.5 | 9.1 | 5.4 | 4.7 | 11.8 | 7.4 | 5.2 | 6.2 | 8.6 | 8.1 | 6.9 | 11.1 | 9.6 | 7.2 | 13.7 | 24 | 15.0 |
| 22 | 9.6 | 4.9 | 2.0 | 3.7 | 9.1 | 10.6 | 7.9 | 4.7 | 5.7 | 6.9 | 4.2 | 5.7 | 10.8 | 6.6 | 5.7 | 2.5 | .6 | 4.2 | -.5 | -2.7 | 9.8 | 6.7 | 1.6 | 3.5 | 24 | 10.8 |
| 23 | 3.5 | .0 | 2.0 | 5.0 | 5.7 | 5.9 | 4.5 | 2.8 | 2.1 | 3.7 | 6.2 | 7.6 | 7.9 | 9.3 | 6.2 | 1.9 | 2.3 | 6.6 | 5.4 | 5.9 | 7.1 | 8.1 | 12.0 | 9.6 | 24 | 12.0 |
| 24 | 9.6 | 7.9 | 6.9 | 6.4 | 7.1 | 6.9 | 5.2 | 2.2 | 7.1 | 6.2 | 12.3 | 9.1 | 5.2 | 4.0 | 4.7 | 2.5 | 4.7 | 5.7 | 4.7 | 5.4 | 5.9 | 8.1 | 8.1 | 7.4 | 24 | 12.3 |
| 25 | 6.4 | 4.5 | 8.8 | 7.6 | 9.3 | 7.4 | 8.6 | 8.3 | 7.1 | 6.2 | 7.4 | 12.3 | 7.6 | 4.4 | 6.4 | 8.6 | 13.0 | 7.6 | 6.7 | 7.4 | 5.4 | 6.7 | 6.4 | 10.8 | 24 | 13.0 |
| 26 | 9.3 | 9.6 | 16.7 | 7.4 | 6.9 | 6.7 | 10.8 | 10.3 | 6.4 | 5.9 | 2.5 | .6 | 3.0 | 1.8 | 12.8 | 8.3 | 10.5 | 6.2 | 1.8 | 3.9 | 4.0 | 4.7 | 1.8 | 6.6 | 24 | 16.7 |
| 27 | 10.0 | 12.2 | 7.9 | 4.7 | 6.9 | 14.7 | 9.3 | 7.8 | 6.4 | 3.2 | 4.9 | 7.8 | 7.1 | 2.7 | 4.7 | 8.8 | 5.7 | 8.8 | 7.4 | 6.9 | 3.0 | -1.7 | 1.1 | 3.7 | 24 | 14.7 |
| 28 | 4.9 | 1.8 | -.8 | 1.1 | 2.7 | 3.5 | 6.6 | 4.2 | .9 | 5.4 | 6.4 | 5.0 | 2.5 | 1.3 | -.8 | .4 | 1.9 | 4.5 | 3.7 | 2.0 | 6.7 | 8.6 | 7.8 | 4.7 | 24 | 8.6 |
| 29 | 5.4 | 3.5 | 2.5 | 6.9 | 6.6 | 5.7 | 3.7 | .9 | 1.1 | -3.7 | -4.4 | -1.8 | -1.0 | -.3 | 4.9 | 3.9 | .8 | -.8 | -3.5 | -1.8 | 2.0 | 1.6 | 4.7 | 6.9 | 24 | 6.9 |
| 30 | 4.7 | 1.7 | 1.1 | 3.5 | 2.5 | 3.7 | 2.7 | 2.7 | 3.9 | 5.9 | 5.9 | 5.2 | 1.6 | 1.3 | 3.2 | 1.6 | 1.1 | 1.1 | 5.9 | 5.9 | 5.4 | 3.9 | 2.2 | 7.3 | 24 | 7.3 |
| 31 | 5.9 | 6.6 | 9.5 | 10.0 | 8.6 | 9.3 | 6.6 | 4.9 | 3.2 | 1.1 | 1.6 | 5.5 | 3.2 | -1.0 | 2.5 | 4.5 | 8.5 | 6.6 | 2.5 | 2.7 | 5.4 | -.1 | -3.9 | -1.0 | 24 | 10.0 |
| NO.: | 29 | 29 | 29 | 29 | 29 | 28 | 28 | 28 | 27 | 25 | 25 | 28 | 28 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | | |
| MAX: | 29.3 | 21.5 | 17.9 | 18.6 | 15.4 | 19.8 | 18.9 | 14.2 | 15.0 | 16.0 | 16.2 | 18.1 | 19.3 | 15.9 | 18.1 | 18.4 | 16.7 | 15.2 | 20.1 | 17.1 | 24.6 | 26.4 | 22.8 | 24.7 | | |
| AVG: | 6.00 | 5.55 | 5.89 | 5.92 | 6.07 | 7.19 | 6.70 | 5.53 | 4.74 | 6.32 | 6.13 | 5.74 | 5.42 | 5.07 | 6.04 | 5.52 | 6.08 | 5.61 | 5.27 | 5.02 | 6.61 | 6.39 | 5.67 | 5.44 | | |

MONTHLY OBSERVATIONS: 681 MONTHLY MEAN: 5.83 MONTHLY MAX: 29.3

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-057-0002 POC: 3
COUNTY: (057) Davidson
CITY: (38060) Lexington
SITE ADDRESS: S.SALISBURY ST
SITE COMMENTS: SITE LOCATED AT WATER TOWER AT CORNER HWY 8 & MAIN ST.
MONITOR COMMENTS: ID2=409

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.814444
LONGITUDE: -80.2625
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 241
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: AUGUST 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -2.0 | -4.5 | -4.5 | -3.7 | -.4 | -.6 | .2 | 10.6 | 6.2 | 1.4 | 11.3 | 8.1 | 7.4 | 5.9 | 7.4 | 6.2 | 4.7 | 9.9 | 9.3 | 7.2 | 7.2 | 4.2 | 4.5 | 4.5 | 24 | 11.3 |
| 2 | 5.2 | 3.5 | 1.2 | 6.5 | 6.0 | 12.6 | 7.9 | 6.2 | 15.4 | AX | BA | 1.9 | 1.9 | 5.5 | 5.5 | 8.9 | 5.0 | 1.2 | .4 | -1.5 | .9 | -.1 | .9 | 1.2 | 22 | 15.4 |
| 3 | 1.2 | 2.5 | .4 | -1.6 | .4 | 3.0 | 4.5 | 4.3 | 5.5 | 7.9 | 5.0 | 2.1 | 6.0 | 3.8 | 3.0 | 4.0 | .4 | -.8 | -.3 | -.6 | 2.0 | -.8 | -3.3 | .9 | 24 | 7.9 |
| 4 | 2.5 | 1.4 | 1.7 | .9 | .7 | 2.3 | 3.1 | 2.5 | .2 | -.3 | 1.9 | -.8 | -3.2 | 2.8 | 1.6 | .7 | 1.9 | 1.4 | .2 | 2.3 | 4.0 | 1.8 | 7.2 | 8.2 | 24 | 8.2 |
| 5 | 4.0 | .4 | 2.0 | 2.6 | 1.4 | -.8 | -.8 | 1.4 | 1.7 | .2 | -2.3 | -.1 | 3.0 | .9 | -3.7 | -.1 | 2.8 | .7 | 3.3 | 4.5 | 1.4 | -2.8 | -4.5 | -4.5 | 24 | 4.5 |
| 6 | -4.2 | -4.2 | 1.4 | 5.5 | 3.8 | .4 | .2 | 11.8 | 9.1 | 7.4 | 6.5 | 5.5 | 1.7 | .9 | 7.2 | 6.2 | 8.4 | 5.5 | 5.5 | 6.9 | 9.4 | 5.7 | 4.0 | 5.7 | 24 | 11.8 |
| 7 | 5.0 | 2.0 | 1.6 | .7 | -4.5 | -4.5 | -1.8 | 1.2 | -.3 | -1.1 | -.1 | -.4 | 4.5 | 2.0 | 1.4 | 3.0 | 4.0 | 2.0 | 2.8 | 6.0 | 3.3 | 2.6 | 4.7 | 1.6 | 24 | 6.0 |
| 8 | -2.8 | -2.0 | -.3 | -.8 | 2.1 | 6.9 | 4.3 | 2.1 | 5.3 | 2.8 | -1.1 | 6.7 | 5.2 | 2.3 | 7.4 | 6.0 | 7.2 | 9.1 | 14.5 | 12.6 | 8.6 | 11.3 | 2.1 | -4.4 | 24 | 14.5 |
| 9 | -4.4 6 | -3.2 | -.3 | -1.3 | -3.2 | -3.7 | .4 | 3.0 | 3.5 | 1.2 | -1.1 | -.8 | -1.1 | .9 | .7 | 5.7 | 5.5 | 4.7 | .9 | 1.6 | 1.2 | -3.5 | -3.7 | -.3 | 24 | 5.7 |
| 10 | -3.0 | -4.5 | -1.8 | -3.0 | -2.3 | -2.0 | -2.0 | .7 | 1.7 | .2 | 1.4 | 4.7 | 2.8 | -1.8 | 1.0 | 1.6 | -.6 | .6 | 1.6 | -1.3 | -2.8 | -4.5 | -4.5 | -4.5 | 24 | 4.7 |
| 11 | -1.8 | .4 | -1.1 | -1.1 | -.9 | -2.1 | -3.0 | -1.3 | 2.3 | 2.3 | 4.2 | 5.2 | 4.3 | 2.1 | -.6 | 1.6 | 1.2 | -1.6 | 4.5 | 2.0 | .4 | -.8 | -1.8 | 2.3 | 24 | 5.2 |
| 12 | .6 | -.8 | -2.1 | -2.3 | -1.3 | -1.3 | -1.1 | .1 | .9 | -.1 | -.4 | -.4 | 1.9 | .1 | -.1 | 2.3 | -1.6 | -1.3 | 2.5 | 1.2 | -4.3 | -4.5 | -3.0 | -1.6 | 24 | 2.5 |
| 13 | -.4 | -2.0 | 2.5 | 1.2 | -.1 | 1.1 | -2.1 | .9 | 3.2 | 1.9 | 8.1 | 8.6 | 6.0 | 4.2 | 2.5 | .4 | 1.9 | 1.2 | .1 | -.4 | 6.2 | 7.2 | 5.2 | 2.5 | 24 | 8.6 |
| 14 | 2.8 | 1.4 | -.6 | 2.5 | .6 | 4.2 | 3.2 | 6.7 | 4.7 | 1.6 | 4.0 | 5.2 | 4.0 | 2.5 | 4.0 | 3.8 | 4.7 | 3.8 | -.6 | -2.5 | -1.3 | .9 | 3.3 | 3.5 | 24 | 6.7 |
| 15 | 5.9 | 5.2 | 1.4 | 1.4 | 2.5 | 3.5 | 3.5 | 24.7 | 6.7 | BA | BA | BA | 5.2 | 6.7 | 7.2 | 4.7 | 8.9 | 6.7 | 6.0 | 4.0 | 5.3 | 4.5 | 2.0 | .9 | 21 | 24.7 |
| 16 | 4.5 | 3.5 | 4.0 | 2.8 | -.1 | .4 | 3.5 | 2.8 | 2.1 | 1.9 | .4 | 2.3 | 3.3 | .9 | 3.3 | 3.2 | 3.8 | 1.9 | -.9 | 1.2 | 3.0 | 3.5 | 1.6 | .9 | 24 | 4.5 |
| 17 | 2.0 | -.6 | -1.1 | -.6 | -1.3 | -.6 | 6.2 | 6.7 | 4.0 | 2.8 | 2.8 | 1.2 | 1.2 | 4.2 | 6.2 | 7.2 | 5.8 | 2.3 | .4 | -.1 | .4 | 6.5 | 4.8 | 2.3 | 24 | 7.2 |
| 18 | 2.3 | .2 | -1.1 | -.8 | -.6 | .2 | -.1 | .9 | 2.3 | 1.0 | -1.3 | 1.2 | .9 | -1.6 | -2.5 | -1.6 | 1.7 | -1.8 | -2.7 | .4 | 2.3 | 1.2 | -1.3 | 3.3 | 24 | 3.3 |
| 19 | 4.8 | 4.3 | .4 | -4.5 | -3.5 | .9 | -1.1 | .4 | 1.4 | -.6 | -1.0 | .4 | -1.8 | -.8 | -.6 | -2.0 | -1.5 | -.6 | -.1 | -1.3 | -1.1 | -1.8 | -1.5 | -2.8 | 24 | 4.8 |
| 20 | -1.5 | -1.3 | -2.5 | -3.0 | -4.0 | -2.0 | .2 | -2.3 | -3.7 | -1.5 | -1.6 | -.8 | 1.4 | 2.8 | 2.0 | .7 | 1.2 | 1.7 | 1.4 | 3.3 | 4.0 | 5.0 | 3.0 | 2.8 | 24 | 5.0 |
| 21 | 3.3 | 2.8 | 2.5 | .4 | .9 | 2.6 | 6.5 | 3.3 | 5.3 | 4.3 | -.6 | -1.3 | .2 | 3.5 | 2.3 | -.8 | .2 | 1.7 | .2 | -2.0 | -1.3 | 1.4 | 1.4 | 1.2 | 24 | 6.5 |
| 22 | 3.5 | 3.0 | 1.9 | 2.6 | 4.8 | 5.0 | 5.0 | 2.3 | 1.2 | 1.9 | -1.1 | .4 | 2.5 | 2.1 | 2.1 | 1.7 | 1.4 | 5.3 | 4.5 | 5.5 | 6.7 | 5.7 | 6.5 | 6.2 | 24 | 6.7 |
| 23 | 5.5 | 4.5 | 5.8 | 7.9 | 5.5 | 3.8 | 5.7 | 6.4 | 3.8 | 3.5 | 3.0 | 4.5 | 5.0 | 5.3 | 8.6 | 6.0 | 4.3 | 3.3 | 4.0 | 7.9 | 10.8 | 7.7 | 4.3 | 5.7 | 24 | 10.8 |
| 24 | 7.4 | 3.8 | 7.9 | 6.2 | 8.9 | 9.9 | 11.3 | 7.4 | 4.0 | 3.5 | 3.8 | 5.0 | 7.4 | AZ | AZ | 3.8 | 4.0 | 6.4 | 8.4 | 9.9 | 7.9 | 10.8 | 12.3 | 9.8 | 22 | 12.3 |
| 25 | 7.9 | 7.9 | 8.6 | 8.4 | 8.6 | 15.7 | 12.1 | 11.6 | 9.6 | 10.1 | 8.9 | 7.2 | 6.0 | 10.8 | 8.1 | 3.3 | 5.7 | 11.3 | 10.3 | 10.3 | 6.4 | 8.9 | 11.6 | 13.5 | 24 | 15.7 |
| 26 | 9.8 | 12.8 | 13.8 | 13.0 | 14.5 | 18.9 | 12.8 | 10.1 | 8.1 | 8.9 | 6.7 | 5.0 | 6.2 | 7.2 | 7.9 | 9.6 | 9.1 | 9.1 | 9.8 | 17.4 | 9.8 | 17.9 | 12.0 | 14.5 | 24 | 18.9 |
| 27 | 12.3 | 9.6 | 12.8 | 16.2 | 14.3 | 13.8 | 15.0 | 12.8 | 15.0 | 12.3 | 14.3 | 11.6 | 10.8 | 14.0 | 9.4 | 5.0 | 8.9 | 6.4 | 1.9 | 3.3 | 6.0 | 8.4 | 4.7 | 4.5 | 24 | 16.2 |
| 28 | 3.5 | 3.3 | 4.7 | 8.6 | 7.6 | 7.9 | 14.3 | 9.4 | 5.7 | 4.3 | 6.2 | 6.0 | 5.0 | 7.9 | 8.1 | 8.4 | 6.9 | 5.5 | 8.9 | 11.8 | 9.4 | 10.8 | 18.6 | 7.7 | 24 | 18.6 |
| 29 | 9.1 | 10.1 | 9.9 | 13.0 | 9.6 | 9.8 | 8.4 | 6.0 | 5.7 | 7.9 | 10.1 | 7.7 | 7.6 | 10.3 | 9.4 | 9.6 | 6.9 | 5.9 | 6.4 | 9.4 | 10.1 | 8.8 | 11.1 | 11.3 | 24 | 13.0 |
| 30 | 14.3 | 9.1 | 7.9 | 9.4 | 7.9 | 9.4 | 7.9 | 9.1 | 7.4 | 7.4 | 6.2 | 7.2 | 8.1 | 9.1 | 4.5 | 4.5 | 7.7 | 5.5 | 6.9 | 11.1 | 11.6 | 10.1 | 10.1 | 14.8 | 24 | 14.8 |
| 31 | 12.5 | 9.8 | 12.6 | 12.5 | 19.8 | 12.6 | 11.3 | 12.0 | 13.3 | 10.1 | 8.6 | 12.8 | 9.6 | 7.7 | 6.9 | 6.7 | 5.5 | 7.2 | 10.6 | 9.4 | 7.7 | 5.5 | 6.7 | 5.7 | 24 | 19.8 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 29 | 30 | 31 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 14.3 | 12.8 | 13.8 | 16.2 | 19.8 | 18.9 | 15.0 | 24.7 | 15.4 | 12.3 | 14.3 | 12.8 | 10.8 | 14.0 | 9.4 | 9.6 | 9.1 | 11.3 | 14.5 | 17.4 | 11.6 | 17.9 | 18.6 | 14.8 | | |
| AVG: | 3.54 | 2.53 | 2.89 | 3.21 | 3.15 | 4.11 | 4.37 | 5.61 | 4.88 | 3.56 | 3.54 | 3.86 | 3.97 | 4.07 | 4.01 | 3.88 | 4.06 | 3.68 | 3.89 | 4.50 | 4.36 | 4.25 | 3.84 | 3.79 | | |

MONTHLY OBSERVATIONS: 737 MONTHLY MEAN: 3.90 MONTHLY MAX: 24.7

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-057-0002 POC: 3
COUNTY: (057) Davidson
CITY: (38060) Lexington
SITE ADDRESS: S.SALISBURY ST
SITE COMMENTS: SITE LOCATED AT WATER TOWER AT CORNER HWY 8 & MAIN ST.
MONITOR COMMENTS: ID2=409

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.814444
LONGITUDE: -80.2625
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 241
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: SEPTEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.0 | .9 | -.4 | .6 | 5.0 | 3.8 | 4.3 | 4.7 | 3.3 | 2.5 | 3.8 | 4.5 | 4.0 | 5.7 | 5.5 | 5.7 | 5.7 | 3.3 | 1.2 | 3.5 | 5.0 | 5.7 | 4.7 | 2.8 | 24 | 5.7 |
| 2 | 2.1 | 4.2 | 5.5 | 4.0 | 4.3 | 7.7 | 5.0 | 3.3 | 7.4 | 11.3 | 7.4 | 12.8 | 12.3 | 9.9 | 6.0 | 1.8 | .9 | -.1 | -.6 | 2.1 | 5.5 | 2.5 | .9 | 3.0 | 24 | 12.8 |
| 3 | .4 | 1.6 | 3.5 | 3.3 | 3.0 | 3.0 | 3.8 | 3.0 | 3.0 | 2.1 | 1.7 | 4.3 | 4.5 | 3.0 | 1.2 | .7 | 3.0 | 3.5 | 4.0 | 3.3 | 1.8 | 1.2 | 3.7 | 3.3 | 24 | 4.5 |
| 4 | 2.8 | 4.5 | 3.3 | 3.8 | 4.7 | 5.5 | 3.3 | 7.9 | 5.7 | 4.0 | 4.0 | 3.0 | 5.3 | 3.0 | 1.8 | 3.8 | 6.2 | 4.5 | 3.3 | 4.7 | 8.2 | 6.2 | 7.2 | 5.7 | 24 | 8.2 |
| 5 | 6.7 | 6.4 | 9.4 | 7.7 | 9.1 | 7.9 | 6.7 | 5.5 | 6.4 | 7.7 | 5.3 | 3.5 | 4.3 | 3.3 | 3.0 | 5.7 | 5.5 | 6.0 | 14.7 | 15.4 | 9.1 | 10.9 | 9.1 | 12.3 | 24 | 15.4 |
| 6 | 9.6 | 11.6 | 7.4 | 8.6 | 7.2 | 14.5 | 10.8 | 11.6 | 7.7 | 3.0 | 4.0 | 4.2 | 1.9 | 2.3 | 6.9 | 5.5 | 3.8 | 5.7 | 7.0 | 8.6 | 9.9 | 11.3 | 9.9 | 9.6 | 24 | 14.5 |
| 7 | 15.4 | 4.5 | 7.2 | 7.6 | 6.4 | 6.9 | 9.6 | 9.6 | 8.9 | 5.7 | 6.7 | 7.7 | AX | BA | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 12 | 15.4 |
| 8 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | BA | BA | BA | 4.0 | 8.6 | 12.1 | 14.8 | 19.4 | 9.8 | 14.3 | 7 | 19.4 |
| 9 | 21.3 | 12.3 | 15.9 | 15.2 | 19.1 | 19.6 | 23.0 | 21.1 | 17.2 | 16.7 | 15.7 | 10.9 | 8.2 | 10.3 | 9.6 | 10.3 | 7.2 | 6.5 | 11.8 | 14.0 | 12.0 | 17.4 | 16.4 | 14.9 | 24 | 23.0 |
| 10 | 14.9 | 19.1 | 19.6 | 18.2 | 20.1 | 20.8 | 20.6 | 17.0 | 22.0 | 18.9 | 16.5 | 15.5 | 15.3 | 15.0 | 14.5 | 18.2 | 16.9 | 14.3 | 20.1 | 16.2 | 15.0 | 20.1 | 17.9 | 17.4 | 24 | 22.0 |
| 11 | 17.2 | 17.9 | 17.2 | 15.4 | 12.6 | 15.7 | 17.9 | 15.9 | 7.7 | 2.8 | -2.3 | -1.1 | .2 | -.6 | -.3 | .4 | .4 | .9 | 3.8 | 5.2 | 3.0 | 1.4 | 2.5 | 3.8 | 24 | 17.9 |
| 12 | 1.6 | -.6 | 1.6 | 3.8 | 4.7 | 7.4 | 3.5 | .2 | 7.2 | 6.9 | 3.0 | 1.9 | 4.7 | 5.1 | 5.5 | 5.2 | 5.7 | 4.5 | 4.5 | 9.6 | 8.6 | 7.7 | 7.6 | 9.6 | 24 | 9.6 |
| 13 | 10.3 | 9.3 | 6.9 | 5.0 | 8.1 | 9.6 | 10.6 | 11.8 | 9.3 | 6.4 | 11.1 | 8.9 | 8.9 | 8.4 | 5.2 | 4.5 | 5.5 | 6.7 | 6.2 | 6.4 | 8.4 | 7.2 | 6.9 | 6.5 | 24 | 11.8 |
| 14 | 4.3 | 2.3 | 3.3 | 2.3 | 5.0 | 12.3 | 8.4 | 6.0 | 4.3 | 3.3 | 2.8 | 3.3 | 4.0 | 3.0 | 6.4 | 5.5 | 6.7 | 6.0 | 4.8 | 4.0 | 6.0 | 8.6 | 8.2 | 12.1 | 24 | 12.3 |
| 15 | 11.6 | 6.7 | 6.7 | 7.4 | 5.7 | 6.4 | 10.4 | 8.1 | 9.4 | 9.1 | 10.1 | 8.6 | 11.3 | 11.6 | 9.1 | 10.8 | 12.8 | 12.3 | 9.9 | 14.3 | 15.7 | 13.3 | 13.3 | 11.8 | 24 | 15.7 |
| 16 | 9.4 | 13.5 | 15.4 | 5.3 | 6.0 | 6.9 | 10.8 | 7.4 | 7.6 | 5.0 | 8.9 | 7.4 | 8.1 | 11.8 | 11.3 | 9.9 | 11.1 | 7.7 | 5.5 | 10.4 | 8.9 | 10.6 | 10.8 | 10.8 | 24 | 15.4 |
| 17 | 9.9 | 9.6 | 10.6 | 10.9 | 8.7 | 7.4 | 11.1 | 6.2 | 1.2 | 2.5 | 3.5 | 3.0 | 3.3 | 2.3 | 4.7 | 6.0 | 3.5 | 4.7 | 5.5 | 4.0 | 3.3 | 8.6 | 8.1 | 5.9 | 24 | 11.1 |
| 18 | 5.5 | 7.4 | 6.7 | 7.7 | 7.7 | 9.6 | 8.4 | 8.1 | 6.9 | 7.7 | 4.0 | -.6 | -.6 | -.3 | -.6 | -.1 | 2.3 | 3.8 | 4.5 | 6.7 | 6.0 | 4.5 | 2.5 | -2.0 | 24 | 9.6 |
| 19 | -2.8 | 2.5 | -.1 | -.1 | -.3 | -3.0 | .2 | 1.8 | 6.4 | 3.5 | 4.9 | AX | AX | AX | 1.9 | 3.8 | 6.7 | 4.3 | 1.9 | 1.4 | -.6 | -1.3 | -2.7 | -2.8 | 21 | 6.7 |
| 20 | -.6 | -.1 | .7 | .4 | 2.2 | 6.7 | 5.5 | 4.2 | 3.0 | 3.8 | 2.8 | 3.0 | 1.9 | 2.6 | 1.9 | -1.3 | 1.7 | 3.3 | 4.3 | 3.5 | 3.5 | 3.0 | 1.7 | .9 | 24 | 6.7 |
| 21 | 2.5 | 5.2 | 7.7 | 7.4 | 12.3 | 8.4 | 5.7 | 5.7 | 4.0 | 1.9 | 2.4 | 4.2 | 6.2 | 4.3 | 2.5 | 2.1 | 1.4 | 2.5 | 2.3 | 1.4 | 3.7 | 5.0 | 3.0 | -.8 | 24 | 12.3 |
| 22 | -1.1 | -.1 | 2.1 | 7.4 | 4.7 | 1.2 | 4.0 | 2.1 | 1.4 | .6 | .2 | 1.9 | .9 | .1 | .9 | -.4 | 5.5 | 8.6 | 6.4 | 5.5 | 5.0 | 2.1 | 4.0 | 4.7 | 24 | 8.6 |
| 23 | 4.0 | 1.4 | 6.2 | 5.0 | 3.0 | 4.7 | 3.2 | .1 | 2.5 | 4.2 | 7.2 | 5.0 | 1.1 | 1.4 | 1.4 | 2.1 | 2.8 | 1.6 | 3.7 | 4.0 | 2.5 | 6.2 | 5.2 | 4.2 | 24 | 7.2 |
| 24 | 6.7 6 | 5.5 | 3.0 | 5.2 | 6.2 | 4.2 | 4.0 | 6.0 | 5.5 | 9.4 | 12.8 | 11.1 | 7.4 | 6.4 | 7.1 | 4.5 | 7.2 | 7.2 | 8.1 | 9.8 | 10.8 | 10.3 | 9.4 | 13.5 | 24 | 13.5 |
| 25 | 27.0 | 11.1 | 18.4 | 17.0 | 23.3 | 17.9 | 15.7 | 17.4 | 21.3 | 14.8 | 13.1 | 16.9 | 18.2 | 13.0 | 11.3 | 10.1 | 12.1 | 12.8 | 12.1 | 16.4 | 19.4 | 13.0 | 10.6 | 11.1 | 24 | 27.0 |
| 26 | 11.1 | 9.4 | 8.1 | 5.5 | 2.8 | 6.0 | 6.0 | 7.9 | 5.2 | 3.7 | 10.1 | 8.4 | 8.6 | 9.9 | 12.1 | 12.6 | 11.6 | 9.4 | 6.2 | 5.7 | 6.7 | 1.2 | -2.5 | -.3 | 24 | 12.6 |
| 27 | 2.1 | .4 | -1.1 | 2.8 | 1.9 | -.3 | .4 | 5.0 | 5.7 | 5.5 | 5.0 | 4.3 | 6.7 | 6.7 | 7.2 | 16.2 | 6.7 | 7.7 | 12.0 | 9.6 | 9.4 | 12.8 | 7.9 | 7.2 | 24 | 16.2 |
| 28 | 8.1 | 5.2 | 1.9 | .2 | 5.5 | 5.7 | 9.4 | 10.1 | 9.4 | 5.7 | 6.7 | 7.9 | 11.1 | 10.8 | 9.3 | 11.1 | 8.6 | 8.4 | 12.3 | 10.3 | 7.9 | 5.7 | 11.1 | 6.7 | 24 | 12.3 |
| 29 | 4.5 | 4.5 | 4.7 | 5.2 | 5.9 | 7.4 | 4.2 | 5.7 | 4.2 | 6.9 | 6.4 | 6.7 | 4.7 | 8.1 | 5.0 | 1.6 | 6.4 | 6.9 | 5.0 | 6.4 | 5.7 | 7.2 | 8.1 | 6.7 | 24 | 8.1 |
| 30 | 7.1 | 8.8 | 7.9 | 11.1 | 8.9 | 7.7 | 9.3 | 12.1 | 14.8 | 16.7 | 10.3 | 12.1 | 15.0 | 12.1 | 7.4 | 11.6 | 9.4 | 7.7 | 7.4 | 14.3 | 12.3 | 11.6 | 13.3 | 10.8 | 24 | 16.7 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 28 | 27 | 27 | 28 | 28 | 28 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | | |
| MAX: | 27.0 | 19.1 | 19.6 | 18.2 | 23.3 | 20.8 | 23.0 | 21.1 | 22.0 | 18.9 | 16.5 | 16.9 | 18.2 | 15.0 | 14.5 | 18.2 | 16.9 | 14.3 | 20.1 | 16.4 | 19.4 | 20.1 | 17.9 | 17.4 | | |
| AVG: | 7.40 | 6.38 | 6.87 | 6.69 | 7.37 | 7.99 | 8.13 | 7.78 | 7.54 | 6.63 | 6.49 | 6.40 | 6.57 | 6.27 | 5.64 | 6.00 | 6.33 | 6.02 | 6.78 | 7.89 | 7.84 | 8.05 | 7.19 | 7.02 | | |

MONTHLY OBSERVATIONS: 688 MONTHLY MEAN: 6.98 MONTHLY MAX: 27.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-057-0002 POC: 3
COUNTY: (057) Davidson
CITY: (38060) Lexington
SITE ADDRESS: S.SALISBURY ST
SITE COMMENTS: SITE LOCATED AT WATER TOWER AT CORNER HWY 8 & MAIN ST.
MONITOR COMMENTS: ID2=409

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.814444
LONGITUDE: -80.2625
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 241
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: OCTOBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.1 | 6.4 | 9.1 | 11.8 | 10.3 | 7.6 | 8.6 | 6.2 | 8.9 | 18.9 | 5.0 | 4.3 | 6.4 | 7.2 | 7.4 | 4.5 | 9.4 | 8.6 | 13.5 | 13.8 | 13.0 | 19.4 | 17.9 | 19.6 | 24 | 19.6 |
| 2 | 15.4 | 15.9 | 14.9 | 18.6 | 12.3 | 12.3 | 13.5 | 9.6 | 9.8 | 9.6 | 10.1 | 7.6 | 6.4 | 6.4 | 6.9 | 7.6 | 7.2 | 11.8 | 8.6 | 11.3 | 9.2 | 10.1 | 7.6 | 8.9 | 24 | 18.6 |
| 3 | 8.1 | 6.0 | 5.5 | 7.4 | 6.9 | 12.3 | 11.3 | 9.1 | 5.2 | 6.0 | 8.9 | 7.2 | 4.5 | 3.0 | 4.2 | 7.9 | 7.2 | 7.4 | 11.3 | 13.1 | 14.5 | 11.8 | 13.5 | 10.4 | 24 | 14.5 |
| 4 | 11.8 | 9.9 | 9.6 | 9.1 | 10.3 | 7.2 | 8.7 | 9.1 | 14.3 | 12.3 | 7.9 | 9.6 | 8.6 | 9.6 | 8.9 | 9.4 | 9.6 | 13.1 | 11.1 | 8.9 | 6.9 | 7.4 | 12.3 | 9.4 | 24 | 14.3 |
| 5 | 11.8 | 8.6 | 6.4 | 9.6 | 7.9 | 8.9 | 6.7 | 5.7 | 10.3 | 7.9 | 8.2 | 7.7 | 6.7 | 4.5 | 4.8 | 7.4 | 6.9 | 6.9 | 7.9 | 7.4 | 5.3 | 5.2 | 5.2 | 7.2 | 24 | 11.8 |
| 6 | 5.0 | 2.3 | 4.5 | 9.1 | 11.1 | 7.9 | 8.2 | 6.2 | 5.2 | 4.5 | 6.2 | 7.2 | 7.9 | 6.9 | 7.4 | 6.9 | 5.7 | 6.4 | 11.1 | 8.6 | 5.0 | 4.7 | 7.4 | 5.3 | 24 | 11.1 |
| 7 | 6.9 | 7.9 | 4.7 | .7 | 1.2 | 1.7 | -1.3 | -1.6 | 1.9 | 3.0 | 2.3 | 2.2 | 2.5 | 6.2 | 4.0 | 4.8 | 3.3 | 1.4 | .7 | .7 | 2.8 | .7 | -2.5 | 4.5 | 24 | 7.9 |
| 8 | 5.3 | .7 | -1.8 | .2 | 2.8 | 4.2 | 1.9 | .2 | 3.0 | 1.2 | -4.5 | 8.2 | 4.5 | -1.1 | -.6 | 3.5 | 4.5 | 3.3 | .4 | .2 | 1.2 | 6.4 | 8.9 | 6.9 | 24 | 8.9 |
| 9 | 7.4 | 4.2 | 8.9 | 6.7 | 6.9 | 7.9 | 5.7 | 3.5 | 3.0 | 3.0 | 2.5 | .7 | -.1 | .4 | 1.9 | 3.5 | 2.8 | -1.3 | -1.8 | 3.3 | 1.4 | 1.4 | 3.3 | 2.8 | 24 | 8.9 |
| 10 | 4.0 | 6.2 | 8.4 | 4.5 | 2.8 | 5.0 | 9.1 | 7.9 | 6.9 | 3.2 | 3.8 | 3.7 | 2.0 | .6 | 1.4 | 5.5 | 6.7 | 4.8 | 5.2 | 8.9 | 8.4 | 6.7 | 8.1 | 8.1 | 24 | 9.1 |
| 11 | 7.4 | 16.2 | 11.1 | 10.1 | 11.1 | 9.4 | 9.1 | 7.4 | 8.1 | AX | AX | AX | AX | 1.2 | 4.3 | 2.8 | -.3 | .2 | 4.3 | 9.6 | 10.9 | 15.7 | -.6 | 9.9 | 20 | 16.2 |
| 12 | 7.9 | 5.7 | 7.9 | 7.4 | 7.9 | 11.1 | 13.6 | 11.3 | 8.4 | 6.0 | 3.8 | 4.8 | 6.5 | 8.2 | 7.2 | 6.9 | 9.6 | 8.2 | 8.2 | 14.1 | 13.6 | 12.6 | 12.3 | 11.6 | 24 | 14.1 |
| 13 | 14.3 | 15.0 | 9.9 | 13.1 | 8.7 | 13.6 | 12.8 | 9.2 | 12.8 | 11.6 | 7.9 | 4.5 | 7.0 | 6.5 | 9.4 | 7.7 | 5.7 | 9.1 | 15.2 | 12.3 | 10.6 | 13.8 | 12.1 | 15.0 | 24 | 15.2 |
| 14 | 11.1 | 9.6 | 13.8 | 9.2 | 6.2 | 4.8 | 6.2 | 8.2 | 8.2 | 7.7 | 3.0 | .2 | 1.8 | 1.8 | 5.8 | 6.0 | 5.0 | 5.0 | 5.0 | 7.2 | 7.2 | 7.2 | 6.0 | 6.5 | 24 | 13.8 |
| 15 | 7.2 | 9.4 | 8.9 | 9.4 | 7.9 | 6.2 | 9.9 | 9.2 | 9.6 | 10.4 | 6.7 | 8.4 | 8.9 | 7.5 | 7.5 | 8.9 | 8.7 | 10.1 | 18.2 | 19.2 | 16.2 | 21.3 | 18.7 | 14.1 | 24 | 21.3 |
| 16 | 25.5 | 15.5 | 10.6 | 14.6 | 11.4 | 13.1 | 10.9 | 13.8 | 11.3 | 15.7 | 9.9 | 12.6 | 14.3 | 12.1 | 12.3 | 10.1 | 11.6 | 10.9 | 10.9 | 15.7 | 13.3 | 16.7 | 15.5 | 13.8 | 24 | 25.5 |
| 17 | 13.3 | 13.8 | 11.8 | 16.7 | 14.1 | 14.3 | 31.2 | 33.1 | 15.7 | 16.5 | 14.6 | 12.8 | 8.9 | 12.3 | 14.6 | 8.2 | 8.2 | 6.7 | 16.2 | 14.6 | 12.8 | 13.8 | 9.9 | 7.9 | 24 | 33.1 |
| 18 | 10.9 | 11.4 | 12.1 | 15.7 | 8.9 | 10.1 | 46.1 | 15.7 | 13.3 | 13.1 | 8.6 | 8.6 | 8.9 | 17.2 | 17.2 | 11.1 | 9.2 | 12.1 | 13.1 | 13.6 | 9.9 | 14.1 | 12.3 | 9.2 | 24 | 46.1 |
| 19 | 11.8 | 9.9 | 9.4 | 16.7 | 13.3 | 12.9 | 21.3 | 38.1 | 16.2 | AX | BA | BA | 6.2 | 2.8 | 1.4 | 3.5 | 2.4 | 1.4 | 7.9 | 10.9 | 13.1 | 7.7 | 13.3 | 15.0 | 21 | 38.1 |
| 20 | 9.6 | 14.8 | 9.4 | 7.7 | 7.2 | 10.1 | 16.5 | 21.1 | 13.1 | 10.6 | 9.4 | 7.4 | 5.5 | 6.5 | 8.9 | 7.7 | 7.2 | 7.0 | 6.7 | 10.4 | 9.4 | 12.1 | 11.1 | 9.9 | 24 | 21.1 |
| 21 | 12.3 | 13.1 | 10.6 | 11.1 | 9.6 | 9.6 | 7.7 | 11.4 | 13.3 | 14.0 | 10.9 | 6.5 | 2.8 | 2.2 | 1.4 | -.8 | -.5 | -1.0 | -1.8 | .2 | .4 | -1.6 | -1.0 | -.6 | 24 | 14.0 |
| 22 | -2.8 | -.8 | 3.0 | 2.6 | .6 | .2 | 2.1 | 5.3 | 4.3 | 1.2 | -1.3 | -1.8 | 1.2 | 2.6 | 2.5 | 1.4 | -.8 | .2 | 1.4 | 1.2 | 8.4 | 6.7 | 3.5 | 1.4 | 24 | 8.4 |
| 23 | .4 | 7.4 | 7.0 | 4.5 | 2.1 | 1.4 | 2.6 | 4.5 | 3.8 | 2.3 | .2 | -1.0 | -2.7 | -2.3 | 1.2 | 2.1 | 2.8 | 5.7 | 3.8 | 6.2 | 6.2 | 4.5 | 5.3 | 9.2 | 24 | 9.2 |
| 24 | 7.4 | 5.5 | 5.7 | 6.2 | 7.7 | 7.7 | 7.7 | 9.9 | 8.2 | 7.4 | 4.6 | 4.3 | 5.7 | 5.5 | 3.8 | 3.3 | 4.6 | 4.8 | 4.3 | 6.5 | 8.7 | 6.0 | 2.1 | 4.3 | 24 | 9.9 |
| 25 | 6.7 | 8.2 | 7.9 | 10.9 | 8.2 | 9.4 | 6.2 | 14.5 | 9.4 | 6.2 | 3.3 | .7 | 3.3 | 3.8 | 1.7 | -.3 | 2.3 | 2.3 | 3.5 | 9.6 | 8.4 | 7.2 | 9.7 | 7.2 | 24 | 14.5 |
| 26 | 10.1 | 8.7 | 7.4 | 7.9 | 5.5 | 12.3 | 9.6 | 8.2 | 7.0 | 8.9 | 5.7 | 6.5 | 6.9 | 4.0 | 1.2 | -.3 | .7 6 | 2.6 6 | 8.6 6 | 10.9 6 | 10.8 6 | 12.1 6 | 13.8 6 | 12.8 6 | 24 | 13.8 |
| 27 | 13.3 6 | 13.1 6 | 13.8 6 | 9.6 6 | 8.6 6 | 9.8 6 | 14.0 6 | 14.5 6 | 12.3 6 | 9.4 6 | 6.9 6 | 7.4 6 | 4.8 6 | 5.1 6 | 5.5 6 | 7.5 6 | 9.2 6 | 6.0 6 | 8.7 6 | 8.4 6 | 7.2 6 | 5.5 6 | 5.3 6 | 7.2 6 | 24 | 14.5 |
| 28 | 9.7 6 | 8.2 6 | 6.5 6 | 12.6 6 | 10.6 6 | 7.7 6 | 8.7 6 | 10.9 6 | 10.9 6 | 11.1 6 | 11.9 6 | 8.4 | 5.3 6 | 3.3 | 1.9 6 | .7 6 | .9 6 | 7.9 6 | 17.0 6 | 12.8 6 | 17.9 6 | 8.9 6 | 15.3 6 | 17.0 6 | 24 | 17.9 |
| 29 | 17.9 6 | 15.7 6 | 11.8 6 | 11.1 6 | 10.4 6 | 10.6 6 | 17.2 6 | 17.5 6 | 7.9 | 14.8 6 | 11.6 | 9.9 | 10.1 | 8.9 | 10.6 | 8.2 | 9.1 6 | 9.4 6 | 14.8 6 | 16.5 6 | 17.9 6 | 15.1 6 | 16.2 6 | 13.6 6 | 24 | 17.9 |
| 30 | 17.0 6 | 17.0 6 | 18.4 6 | 16.0 6 | 18.2 6 | 19.4 6 | 17.9 6 | 18.9 6 | 16.5 6 | 12.3 | 12.1 | 10.1 | 8.9 | 6.7 | 10.9 | 7.2 | 11.4 | 8.6 | 12.1 6 | 11.1 6 | 11.8 6 | 20.1 6 | 15.1 6 | 19.6 6 | 24 | 20.1 |
| 31 | 15.6 6 | 16.0 6 | 11.1 6 | 12.6 6 | 10.9 6 | 10.6 6 | 13.6 6 | 10.4 6 | 15.7 6 | 9.6 | 7.9 | 6.2 | 5.3 | 5.0 | 7.9 | 7.4 | 5.5 6 | 4.8 6 | 13.1 6 | 8.7 6 | 6.7 6 | 4.8 6 | 5.0 6 | 3.0 6 | 24 | 16.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 29 | 29 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 25.5 | 17.0 | 18.4 | 18.6 | 18.2 | 19.4 | 46.1 | 38.1 | 16.5 | 18.9 | 14.6 | 12.8 | 14.3 | 17.2 | 17.2 | 11.1 | 11.6 | 13.1 | 18.2 | 19.2 | 17.9 | 21.3 | 18.7 | 19.6 | | |
| AVG: | 10.01 | 9.73 | 8.98 | 9.79 | 8.44 | 9.01 | 11.53 | 11.26 | 9.50 | 8.91 | 6.49 | 6.03 | 5.63 | 5.31 | 5.92 | 5.49 | 5.67 | 5.95 | 8.36 | 9.55 | 9.33 | 9.62 | 9.12 | 9.38 | | |

MONTHLY OBSERVATIONS: 737 MONTHLY MEAN: 8.30 MONTHLY MAX: 46.1

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-057-0002 POC: 3
COUNTY: (057) Davidson
CITY: (38060) Lexington
SITE ADDRESS: S.SALISBURY ST
SITE COMMENTS: SITE LOCATED AT WATER TOWER AT CORNER HWY 8 & MAIN ST.
MONITOR COMMENTS: ID2=409

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.814444
LONGITUDE: -80.2625
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 241
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: NOVEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.5 6 | 6.7 6 | 4.3 6 | 7.4 6 | 6.2 6 | 2.8 6 | 5.8 6 | 8.2 6 | 7.7 6 | 6.1 6 | AV | 8.9 | 7.0 | 8.2 | 9.8 | 13.3 | 15.7 | 11.6 | 15.2 | 11.3 | 8.9 | 13.1 | 10.4 | 8.9 | 23 | 15.7 |
| 2 | 11.1IT | 13.1IT | 13.1IT | 14.3IT | 27.2IT | 12.5IT | 17.4IT | 22.0IT | 27.5IT | 17.9IT | 15.0IT | 14.3IT | 14.1IT | 14.3IT | 12.3IT | 10.6IT | 9.4IT | 16.4IT | 22.3IT | 23.0IT | 18.9IT | 20.8IT | 18.7IT | 21.6IT | 24 | 27.5 |
| 3 | 18.4IT | 20.1IT | 16.0IT | 16.7IT | 13.8IT | 22.8IT | 17.9IT | 15.0IT | 18.7IT | 19.1IT | AX | BA | BA | 15.7IT | 15.2IT | 12.5IT | 14.7IT | 20.3IT | 15.7IT | 19.8IT | 21.8IT | 18.1IT | 15.9IT | 13.3IT | 21 | 22.8 |
| 4 | 16.4 | 14.5 | 16.4 | 14.3 | 15.2 | 8.4 | 3.3 | 2.3 | 4.0 | 3.8 | 2.1 | .4 | -1.1 | -1.6 | -4.0 | -3.5 | -.1 | 2.5 | 5.0 | 4.0 | 5.7 | 5.2 | 8.4 | 9.8 | 24 | 16.4 |
| 5 | 11.3 | 8.9 | 9.1 | 6.7 | 7.4 | 5.9 | 6.7 | 13.5 | 9.3 | 4.7 | 3.5 | 2.1 | .2 | 1.3 | .7 | 2.0 | 3.7 | 6.2 | 10.3 | 16.7 | 17.4 | 20.6 | 22.5 | 22.3 | 24 | 22.5 |
| 6 | 19.6 | 28.1 | 15.9 | 22.0 | 16.2 | 17.4 | 17.9 | 19.4 | 6.4 | 5.5 | 4.0 | .9 | 3.7 | 3.8 | .7 | -.8 | .1 | 2.5 | 7.2 | 6.7 | 10.6 | 15.9 | 12.1 | 10.1 | 24 | 28.1 |
| 7 | 7.4 | 8.2 | 7.9 | 6.4 | 9.8 | 9.4 | 6.2 | 7.9 | 6.2 | 4.0 | .2 | .2 | .2 | -3.2 | -2.3 | .2 | 2.5 | 3.5 | 7.9 | 11.6 | 17.4 | 9.2 | 12.6 | 13.0 | 24 | 17.4 |
| 8 | 14.2 | 11.4 | 11.1 | 7.9 | 10.3 | 7.9 | 16.9 | 12.1 | 12.3 | 12.3 | 6.7 | 1.1 | 1.6 | 1.1 | 1.1 | 6.0 | 6.2 | 10.6 | 11.6 | 12.8 | 16.2 | 8.6 | 11.1 | 9.6 | 24 | 16.9 |
| 9 | 8.2 | 7.9 | 8.2 | 7.9 | 8.2 | 30.9 | 27.9 | 29.6 | 35.1 | 38.5 | 18.7 | 8.4 | 5.6 | 4.1 6 | 3.5 | 1.6 | -.3 | -.1 | 1.6 | .6 | -2.0 | 1.1 | 2.0 | -1.1 | 24 | 38.5 |
| 10 | .8 | 1.1 | -.8 | -1.1 | -1.3 | 2.3 | 2.5 | -.6 | -1.3 | 1.3 | 5.9 | 4.2 | 1.1 | -.1 | -1.3 | -1.6 | .6 | 1.8 | 2.8 | 4.2 | 7.6 | 7.7 | 7.9 | 8.4 | 24 | 8.4 |
| 11 | 6.4 | 7.2 | 8.9 | 8.9 | 12.1 | 11.1 | 7.9 | 9.6 | 13.5 | 8.6 | 4.8 | 3.0 | .4 | 3.5 | 3.3 | 1.3 | 2.8 | 6.7 | 6.7 | 10.8 | 7.9 | 9.4 | 8.6 | 10.8 | 24 | 13.5 |
| 12 | 7.9 | 5.5 | 6.2 | 5.7 | 6.2 | 4.5 | 2.8 | 2.5 | 1.6 | 1.1 | 1.1 | -.3 | .7 | 4.0 | 3.3 | .4 | 2.3 | 2.1 | 6.7 | 8.9 | 7.2 | 14.5 | 12.1 | 13.5 | 24 | 14.5 |
| 13 | 17.2 | 18.4 | 20.8 | 19.9 | 19.4 | 16.2 | 16.2 | 16.2 | 14.9 | 10.9 | 7.2 | 3.5 | 3.3 | 3.3 | 1.6 | 4.5 | 6.2 | 6.5 | 8.2 | 12.3 | 12.3 | 14.0 | 21.3 | 13.6 | 24 | 21.3 |
| 14 | 11.6 | 9.9 | 9.2 | 14.0 | 12.8 | 11.4 | 11.6 | 14.0 | 11.6 | 7.7 | 4.3 | 2.6 | 3.5 | -.3 | -1.5 | 3.8 | .7 | 2.8 | 17.9 | 11.8 | 13.1 | 16.0 | 15.2 | 21.8 | 24 | 21.8 |
| 15 | 15.7IT | 14.5IT | 12.3IT | 11.6IT | 17.9IT | 17.9IT | 17.4IT | 24.5IT | 16.7IT | 15.2IT | 20.9IT | 24.3IT | 27.0IT | 19.4IT | 24.2IT | 26.7IT | 28.9IT | 28.7IT | 32.9IT | 31.6IT | 41.7IT | 43.2IT | 37.8IT | 39.1IT | 24 | 43.2 |
| 16 | 39.3IT | 42.5IT | 41.7IT | 38.3IT | 45.6IT | 46.8IT | 48.3IT | 52.9IT | 56.4IT | 40.2IT | 26.5IT | 12.8IT | 9.6IT | 9.6IT | 14.2IT | 12.6IT | 10.8IT | 14.7IT | 18.9IT | 34.1IT | 35.3IT | 39.3IT | 45.6IT | 37.3IT | 24 | 56.4 |
| 17 | 37.3IT | 39.1IT | 38.3IT | 33.3IT | 28.4IT | 28.7IT | 26.9IT | 36.8IT | 37.5IT | 19.4IT | 6.4IT | 6.9IT | 4.5IT | 6.9IT | 4.3IT | 2.6IT | 4.0IT | 6.0IT | 8.6IT | 20.1IT | 20.6IT | 19.4IT | 20.1IT | 22.5IT | 24 | 39.1 |
| 18 | 24.0IT | 20.3IT | 14.4IT | 37.5IT | 20.8IT | 25.0IT | 26.7IT | 25.7IT | 56.6IT | 29.1IT | 64.8IT | AZ | BA | 52.7IT | 47.3IT | 38.3IT | 28.9IT | 27.2IT | 31.6IT | 27.2IT | 34.6IT | 27.2IT | 27.0IT | 25.7IT | 22 | 64.8 |
| 19 | 25.2IT | 25.2IT | 30.4IT | 28.6IT | 27.7IT | 29.6IT | 26.7IT | 25.7IT | 25.7IT | 21.5IT | 16.2IT | 10.4IT | 11.1IT | 5.2IT | 1.6IT | 2.3IT | 1.3IT | 2.8IT | 1.3IT | 1.3IT | 1.1IT | .4IT | 3.8IT | 2.5IT | 24 | 30.4 |
| 20 | 1.1 | 4.2 | 3.5 | 3.5 | 2.8 | 2.3 | 3.0 | 3.3 | 2.1 | -.6 | 3.3 | 2.8 | -.6 | -2.0 | -2.3 | 3.3 | 5.0 | 3.0 | -.4 | 2.3 | 3.3 | 3.3 | 2.5 | 3.0 | 24 | 5.0 |
| 21 | 1.6 | 1.6 | 5.0 | 5.5 | 4.5 | 4.5 | 9.1 | 9.4 | 6.2 | 4.5 | 3.0 | .4 | .7 | -.4 | -.1 | 1.1 | 2.5 | 3.0 | 1.8 | 4.0 | 3.5 | .6 | .8 | 2.3 | 24 | 9.4 |
| 22 | 5.0 | 3.7 | 2.8 | 4.0 | 2.5 | 3.5 | 3.5 | 11.6 | 9.8 | 5.2 | 1.8 | 4.0 | 3.3 | -.1 | -2.5 | -2.8 | .8 | 6.2 | 11.8 | 15.2 | 18.9 | 15.9 | 12.8 | 14.2 | 24 | 18.9 |
| 23 | 11.1 | 12.0 | 14.7 | 16.4 | 14.0 | 18.9 | 22.3 | 19.6 | 23.3 | 26.2 | 15.4 | 2.1 | 5.5 | 5.5 | 5.3 | 7.2 | 7.2 | 9.6 | 9.1 | 9.1 | 8.1 | 10.6 | 12.1 | 16.7 | 24 | 26.2 |
| 24 | 14.9IT | 10.9IT | 14.0IT | 10.9IT | 12.3IT | 9.4IT | 11.3IT | 15.2IT | 19.4IT | 18.9IT | 9.1IT | 10.6IT | 12.1IT | 10.9IT | 11.6IT | 9.6IT | 11.6IT | 9.1IT | 19.4IT | 25.7IT | 21.3IT | 20.6IT | 18.7IT | 22.6IT | 24 | 25.7 |
| 25 | 23.1IT | 22.1IT | 19.9IT | 21.8IT | 21.6IT | 17.7IT | 23.1IT | 26.0IT | 21.3IT | 21.8IT | 16.2IT | 10.6IT | 6.5IT | 7.9IT | 6.7IT | 7.7IT | 9.9IT | 17.7IT | 12.1IT | 13.1IT | 20.8IT | 14.1IT | 12.8IT | 14.7IT | 24 | 26.0 |
| 26 | 13.3 | 9.4 | 8.9 | 7.7 | 5.7 | 3.5 | 4.8 | 3.3 | .0 | 1.1 | 2.3 | 1.6 | 4.5 | 4.5 | 5.3 | 4.0 | 2.1 | 3.8 | 5.0 | 9.1 | 5.7 | 1.8 | 3.5 | 5.3 | 24 | 13.3 |
| 27 | 4.8 | 6.5 | 4.8 | 5.5 | 9.1 | 8.6 | 7.7 | 8.2 | 8.2 | 11.1 | 7.4 | 2.8 | 6.7 | 6.0 | 8.9 | 7.2 | 8.4 | 14.0 | 17.9 | 19.2 | 33.9 | 32.6 | 25.5 | 17.9 | 24 | 33.9 |
| 28 | 17.0 | 23.3 | 16.0 | 16.7 | 20.1 | 12.6 | 15.5 | 15.2 | 12.6 | 14.7 | 14.0 | 11.8 | 10.6 | 13.0 | 8.4 | 4.5 | 6.2 | 6.4 | 5.7 | 5.9 | 14.5 | 8.6 | 3.0 | 2.3 | 24 | 23.3 |
| 29 | 4.3 | 2.3 | 1.8 | 2.3 | 1.8 | 2.1 | 3.5 | 4.5 | 4.0 | 2.3 | 4.3 | 3.5 | .9 | 2.6 | 3.1 | 1.8 | 2.5 | 5.7 | 4.0 | 4.3 | 7.2 | 10.4 | 6.0 | 4.0 | 24 | 10.4 |
| 30 | 3.5 | 2.3 | 2.1 | 3.1 | 2.8 | 4.3 | 3.8 | 7.0 | 5.7 | 6.2 | 6.0 | 5.5 | 8.4 | 8.2 | 5.7 | 3.8 | 4.8 | 6.7 | 6.7 | 5.7 | 4.5 | 3.0 | 2.6 | 3.5 | 24 | 8.4 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 28 | 28 | 28 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 39.3 | 42.5 | 41.7 | 38.3 | 45.6 | 46.8 | 48.3 | 52.9 | 56.6 | 40.2 | 64.8 | 24.3 | 27.0 | 52.7 | 47.3 | 38.3 | 28.9 | 28.7 | 32.9 | 34.1 | 41.7 | 43.2 | 45.6 | 39.1 | | |
| AVG: | 13.17 | 13.36 | 12.56 | 13.26 | 13.37 | 13.30 | 13.82 | 15.35 | 15.77 | 12.61 | 10.40 | 5.69 | 5.40 | 6.80 | 6.14 | 6.01 | 6.65 | 8.60 | 10.85 | 12.75 | 14.60 | 14.17 | 13.78 | 13.64 | | |

MONTHLY OBSERVATIONS: 714 MONTHLY MEAN: 11.37 MONTHLY MAX: 64.8

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-057-0002 POC: 3
COUNTY: (057) Davidson
CITY: (38060) Lexington
SITE ADDRESS: S.SALISBURY ST
SITE COMMENTS: SITE LOCATED AT WATER TOWER AT CORNER HWY 8 & MAIN ST.
MONITOR COMMENTS: ID2=409

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.814444
LONGITUDE: -80.2625
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 241
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: DECEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.5 | .2 | 3.0 | 3.8 | 5.2 | 3.5 | 3.3 | 4.0 | 3.5 | 3.5 | 1.8 | -1.1 | .4 | 2.3 | 5.0 | 5.0 | 3.5 | 4.5 | 4.5 | 8.4 | 5.7 | 4.2 | 3.5 | 3.5 | 24 | 8.4 |
| 2 | 5.0 | 3.5 | 3.3 | 4.8 | 7.2 | 8.4 | 6.9 | 11.1 | 9.6 | 5.7 | 3.3 | 1.6 | 1.1 | -.1 | .4 | .6 | -.3 | 1.3 | 1.1 | 4.5 | 4.0 | 1.6 | 2.8 | 4.5 | 24 | 11.1 |
| 3 | 3.8 | 3.0 | 2.1 | 5.0 | 6.7 | 9.1 | 7.2 | 4.2 | 4.3 | 5.9 | 4.2 | 1.6 | .4 | -.1 | 2.0 | 3.3 | 2.5 | 2.5 | 3.7 | 6.0 | 4.5 | 7.2 | 14.7 | 10.3 | 24 | 14.7 |
| 4 | 11.1 | 10.6 | 6.0 | 1.3 | 3.8 | 4.5 | 6.5 | 7.2 | 6.0 | 3.3 | 4.0 | 5.5 | 6.4 | 6.2 | 9.9 | 6.2 | 8.4 | 8.6 | 5.5 | 6.0 | 6.4 | 5.0 | 5.5 | 4.0 | 24 | 11.1 |
| 5 | 3.0 | 1.1 | -.6 | .4 | 1.8 | 1.4 | 4.3 | 6.2 | 5.0 | 3.3 | 2.5 | 2.5 | 1.3 | .9 | 1.3 | 2.5 | .9 | -.6 | 3.8 | 4.0 | 5.2 | 5.5 | 3.7 | 3.3 | 24 | 6.2 |
| 6 | 5.2 | 7.2 | 6.4 | 4.7 | 3.8 | 3.0 | 3.3 | 5.9 | 4.2 | 3.3 | 4.2 | 1.3 | -1.6 | -.6 | -1.8 | -3.8 | .2 | .1 | -1.6 | 2.8 | 4.0 | 3.3 | 4.5 | 5.5 | 24 | 7.2 |
| 7 | 5.2 | 8.4 | 7.4 | 5.9 | 8.1 | 7.9 | 12.3 | 11.3 | 6.4 | 3.0 | 2.5 | 2.5 | 1.1 | .7 | 1.8 | 1.8 | 3.5 | 6.0 | 10.3 | 10.1 | 9.1 | 10.6 | 15.2 | 13.3 | 24 | 15.2 |
| 8 | 17.7 | 14.4 | 15.9 | 12.8 | 9.4 | 6.9 | 10.1 | 9.4 | 6.7 | 3.5 | AX | BA | BA | BA | BA | BA | BA | 2.3 | 4.7 | 3.3 | .2 | -1.1 | -1.8 | -.8 | 17 | 17.7 |
| 9 | -.3 | 2.5 | 3.5 | 5.0 | 2.5 | 2.8 | 3.0 | 3.3 | 5.5 | 6.4 | 4.2 | 3.0 | 1.6 | -.1 | -1.6 | .6 | 2.0 | 2.8 | 7.2 | 4.8 | 1.6 | 1.6 | 3.5 | 7.7 | 24 | 7.7 |
| 10 | 7.2 | 4.5 | 6.0 | 6.0 | 6.2 | 7.7 | 9.6 | 9.6 | 12.6 | 9.4 | 5.3 | 6.4 | 4.2 | 1.6 | 2.6 | 3.5 | 2.8 | 6.2 | 8.9 | 19.6 | 31.1 | 22.6 | 20.1 | 33.1 | 24 | 33.1 |
| 11 | 29.4 | 26.4 | 26.9 | 33.3 | 41.5 | 30.6 | 39.5 | 32.6 | 33.4 | 30.4 | 8.4 | 6.2 | 5.7 | 4.7 | 7.2 | 6.0 | 6.2 | 4.5 | 8.4 | 8.1 | 5.7 | 9.4 | 12.6 | 10.8 | 24 | 41.5 |
| 12 | 13.5 | 13.0 | 14.7 | 13.5 | 16.7 | 15.2 | 13.5 | 15.2 | 17.4 | 18.7 | 19.6 | 13.1 | 17.7 | 12.1 | 11.3 | 19.1 | 10.9 | 20.1 | 21.9 | 14.7 | 15.2 | 18.4 | 10.4 | 17.0 | 24 | 21.9 |
| 13 | 16.0 | 21.6 | 16.2 | 17.4 | 21.4 | 19.2 | 12.1 | 12.3 | 19.4 | 8.7 | 9.6 | 6.9 | 3.3 | 3.8 | 2.3 | 3.8 | 9.4 | 6.7 | 5.0 | 13.3 | 8.4 | 9.6 | 8.9 | 8.4 | 24 | 21.6 |
| 14 | 6.7 | 8.7 | 10.1 | 9.2 | 11.8 | 9.4 | 15.0 | 13.3 | 11.8 | 7.7 | 4.8 | 2.6 | 4.8 | 4.0 | 1.6 | -.1 | 2.1 | 7.2 | 8.6 | 13.1 | 15.9 | 17.2 | 15.0 | 14.5 | 24 | 17.2 |
| 15 | 15.0 | 13.3 | 15.7 | 12.1 | 14.7 | 8.4 | 4.0 | 2.6 | 3.3 | 2.8 | .6 | -.1 | .4 | 1.1 | 1.8 | 3.0 | 1.3 | 4.0 | 4.8 | 2.8 | 2.3 | 3.0 | 4.0 | 3.0 | 24 | 15.7 |
| 16 | 3.0 | 2.8 | 2.8 | 4.3 | 4.5 | 6.9 | 4.5 | 5.5 | 6.2 | 1.8 | 1.3 | 4.5 | 3.3 | 2.8 | 5.5 | 6.2 | 4.3 | 4.0 | 8.1 | 7.2 | 4.7 | 5.0 | 5.3 | 3.5 | 24 | 8.1 |
| 17 | 5.5 | 6.2 | 9.9 | 9.1 | 12.6 | 8.4 | 9.1 | 16.2 | 22.6 | 17.2 | 15.2 | 13.1 | 11.6 | 11.3 | 14.2 | 12.6 | 19.4 | 12.8 | 10.8 | 14.0 | 13.3 | 16.7 | 13.3 | 15.7 | 24 | 22.6 |
| 18 | 16.2 | 15.5 | 18.2 | 15.5 | 17.7 | 10.6 | 10.4 | 6.2 | 2.6 | 6.0 | 5.3 | 5.8 | 5.0 | 2.3 | -.8 | -.8 | .2 | -.3 | -.1 | -1.3 | 1.4 | 2.6 | -.1 | -.1 | 24 | 18.2 |
| 19 | 1.8 | 2.6 | 4.5 | 3.8 | 4.3 | 7.9 | 7.4 | 4.5 | 7.2 | 8.2 | 9.9 | 7.4 | 10.3 | 7.4 | 5.3 | 5.7 | 4.7 | 6.5 | 5.0 | 5.7 | 5.7 | 5.5 | 5.3 | 4.0 | 24 | 10.3 |
| 20 | 6.2 | 7.0 | 4.3 | 3.3 | 4.3 | 5.3 | 4.2 | 3.5 | 3.5 | 3.0 | 4.0 | 10.4 | 9.1 | 5.7 | 9.6 | 6.0 | 6.3 | 4.5 | 5.3 | 7.2 | 13.7 | 12.6 | 13.5 | 11.6 | 24 | 13.7 |
| 21 | 12.3 | 14.7 | 15.2 | 15.2 | 16.5 | 22.3 | 19.6 | 22.1 | 23.1 | 21.1 | 22.1 | AX | BA | 3.7 | 4.5 | 6.7 | 8.6 | 9.6 | 9.6 | 21.1 | 18.7 | 11.1 | 12.6 | 11.3 | 22 | 23.1 |
| 22 | 12.1 | 8.9 | 13.5 | 11.8 | 15.9 | 11.8 | 17.4 | 13.7 | 20.4 | 26.0 | 14.7 | 15.0 | 12.3 | 7.9 | 5.5 | 7.7 | 4.5 | .9 | 2.8 | 2.3 | .8 | .8 | 1.8 | 3.8 | 24 | 26.0 |
| 23 | 7.9 | 6.7 | 4.5 | 6.4 | 9.4 | 11.8 | 7.9 | 8.4 | 8.1 | 11.8 | 8.4 | 8.9 | 8.2 | 6.9 | 8.4 | 8.2 | 9.1 | 13.3 | 14.7 | 11.6 | 19.6 | 14.5 | 11.8 | 12.3 | 24 | 19.6 |
| 24 | 7.9 | 14.0 | 14.2 | 9.1 | 12.3 | 11.6 | 14.5 | 16.5 | 15.2 | 10.4 | 12.6 | 10.1 | 11.8 | 11.8 | 10.4 | 13.8 | 14.2 | 15.5 | 14.7 | 16.2 | 14.5 | 18.4 | 21.3 | 23.3 | 24 | 23.3 |
| 25 | 18.4 | 23.3 | 22.8 | 22.1 | 19.9 | 23.5 | 22.1 | 22.8 | 19.6 | 17.5 | 13.3 | 9.1 | 8.7 | 7.7 | 7.9 | 5.3 | 5.5 | 6.2 | 6.2 | 5.0 | 7.7 | 7.7 | 13.1 | 13.3 | 24 | 23.5 |
| 26 | 12.1 | 10.1 | 8.7 | 7.0 | 8.7 | 9.9 | 9.9 | 10.4 | 11.8 | 8.2 | 3.5 | .9 | 4.0 | 5.5 | 4.0 | 3.0 | 4.0 | 4.3 | 7.9 | 12.6 | 10.6 | 8.9 | 11.6 | 10.6 | 24 | 12.6 |
| 27 | 11.1 | 8.9 | 13.8 | 12.8 | 15.0 | 12.3 | 7.5 | 4.5 | 5.5 | 7.2 | 5.3 | 3.0 | 2.3 | 5.0 | 2.8 | 4.0 | 6.5 | 5.5 | 4.0 | 8.4 | 7.5 | 8.2 | 7.0 | 4.3 | 24 | 15.0 |
| 28 | 2.3 | 3.0 | 3.0 | 1.8 | .7 | 1.3 | 3.5 | 6.2 | 20.3 | 6.0 | 2.1 | -3.0 | -2.5 | .7 | 1.1 | -1.0 | -1.1 | 6.9 | 6.5 | 10.1 | 11.8 | 11.4 | 8.9 | 7.9 | 24 | 20.3 |
| 29 | 5.7 | 3.3 | 5.0 | 9.1 | 7.9 | 7.9 | 9.6 | 9.9 | 8.6 | 9.1 | 11.3 | 8.9 | 3.3 | -.3 | .7 | 1.8 | 1.1 | -1.8 | -.1 | 3.0 | 3.0 | 2.3 | 3.0 | 1.3 | 24 | 11.3 |
| 30 | -.1 | -1.3 | -1.1 | 1.3 | -1.3 | -3.3 | -.6 | 1.1 | 3.3 | 1.6 | -1.1 | -2.0 | -4.0 | .8 | -1.1 | -.8 | 3.0 | 3.0 | 6.7 | 5.0 | 2.0 | 1.6 | 6.4 | 8.1 | 24 | 8.1 |
| 31 | 12.3 | 10.1 | 15.9 | 14.5 | 18.4 | 12.8 | 13.3 | 8.9 | 13.0 | 9.4 | 7.2 | 6.2 | 5.5 | 3.5 | 7.2 | 4.7 | 3.8 | 3.3 | 1.3 | 5.0 | 3.5 | 1.6 | 3.0 | 5.5 | 24 | 18.4 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 29 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 29.4 | 26.4 | 26.9 | 33.3 | 41.5 | 30.6 | 39.5 | 32.6 | 33.4 | 30.4 | 22.1 | 15.0 | 17.7 | 12.1 | 14.2 | 19.1 | 19.4 | 20.1 | 21.9 | 21.1 | 31.1 | 22.6 | 21.3 | 33.1 | | |
| AVG: | 8.89 | 8.85 | 9.41 | 9.11 | 10.57 | 9.65 | 10.03 | 9.95 | 10.97 | 9.04 | 7.00 | 5.18 | 4.68 | 3.97 | 4.30 | 4.49 | 4.92 | 5.50 | 6.46 | 8.21 | 8.32 | 7.97 | 8.40 | 8.85 | | |

MONTHLY OBSERVATIONS: 735 MONTHLY MEAN: 7.73 MONTHLY MAX: 41.5

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-063-0015 POC: 1
COUNTY: (063) Durham
CITY: (19000) Durham
SITE ADDRESS: 801 STADIUM DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (2280) DURHAM, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.0329550009
LONGITUDE: -78.904037
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 118
PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: 2016

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

| Day | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.4 | | 13.6 | | | | | 8.2 | | | | |
| 2 | | | | | | 6.8 | 9.6 | | | | 13.6 IT | 5.3 |
| 3 | | 4.8 | | 3.6 | 4.4 | | | | 4.6 | 8.2 | | |
| 4 | 4.2 | | 6.5 | | | | | 5.5 | | | | |
| 5 | | | | | | 6.1 | 11.1 | | | | 7.4 | 3.7 |
| 6 | | 7.8 | | 5.0 | 2.7 | | | | 8.2 | 5.0 | | |
| 7 | 5.1 | | 9.3 | | | | | 6.9 | | | | |
| 8 | | | | | | 5.5 | 6.7 | | | | 6.5 | 6.4 |
| 9 | | 3.6 | | 2.7 | 14.8 | | | | 15.5 | AV | | |
| 10 | 2.0 | | 12.2 | | | | | 8.4 | | | | |
| 11 | | | | | | 12.3 | 10.1 | | | 4.9 | 6.6 | 13.4 |
| 12 | | 5.7 | | 8.9 | 15.2 | | | | 7.2 | 6.0 | | |
| 13 | 3.9 | | 8.5 | | | | | 7.9 | | 7.7 | | |
| 14 | | | | | | 8.0 | 13.7 | | | | 9.7 | 6.7 |
| 15 | | 3.1 V | | 4.4 | 3.4 | | | | 11.5 | 7.5 | | |
| 16 | 4.5 | | 11.0 | | | | | AJ | | | | |
| 17 | | | | | | 5.1 | AV | | | | 13.0 IT | 12.1 |
| 18 | | 7.2 | | 8.4 | 5.8 | | | | AJ | 9.6 | | |
| 19 | 3.7 V | | 8.5 | | | | | 6.1 | | | | |
| 20 | | | | | | 7.6 | 9.3 | | 4.7 | | 3.7 | 6.1 |
| 21 | | 14.8 | | 13.2 | 3.7 | | | | 2.9 | AV | | |
| 22 | 7.2 V | | 8.7 | | | | | 5.4 | | | | |
| 23 | | | | | | 14.7 | 11.2 | | | | 10.9 | 8.6 |
| 24 | | 3.6 | | 6.2 | 7.4 | | 11.6 | | 9.1 | AV | | |
| 25 | 13.5 | | 8.0 | | | | | 11.1 | | | | |
| 26 | | | | | | 7.5 | 11.4 | | | 12.5 | 6.7 | 7.0 |
| 27 | | 6.1 | | 12.1 | 11.5 | | | | 7.1 | 9.5 | | |
| 28 | 10.4 | | 2.7 | | | | | 9.9 | | 8.2 | | |
| 29 | | | | | | 10.3 | 7.3 | | | | 6.1 | 5.5 |
| 30 | | | | 5.1 | 5.6 | | | | 6.8 | 14.1 | | |
| 31 | 10.8 | | 6.5 | | | | | 11.3 | | | | |
| NO.: | 11 | 9 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 10 | 10 |
| MAX: | 13.5 | 14.8 | 13.6 | 13.2 | 15.2 | 14.7 | 13.7 | 11.3 | 15.5 | 14.1 | 13.6 | 13.4 |
| MEAN: | 6.34 | 6.30 | 8.68 | 6.96 | 7.45 | 8.39 | 10.20 | 8.07 | 7.76 | 8.47 | 8.42 | 7.48 |

ANNUAL OBSERVATIONS: 122 ANNUAL MEAN: 7.89 ANNUAL MAX: 15.5

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-063-0015 POC: 3
COUNTY: (063) Durham
CITY: (19000) Durham
SITE ADDRESS: 801 STADIUM DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (2280) DURHAM, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.0329550009
LONGITUDE: -78.904037
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 118
PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JANUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.4 | 5.2 | 6.4 | 9.8 | 6.6 | 4.5 | 7.4 | 6.9 | 8.1 | 8.4 | 7.1 | 6.4 | 6.2 | 6.4 | 5.0 | 6.6 | 6.6 | 5.7 | 6.9 | 10.3 | 11.3 | 15.2 | 16.4 | 9.3 | 24 | 16.4 |
| 2 | 8.9 | 9.6 | 6.4 | 7.9 | 8.4 | 9.3 | 8.4 | 7.6 | 6.6 | 7.6 | 10.4 | 9.1 | 5.7 | 6.0 | 7.6 | 5.9 | 7.6 | 8.6 | 6.6 | 10.8 | 9.1 | 15.6 | 14.0 | 15.4 | 24 | 15.6 |
| 3 | 16.9 | 15.4 | 11.1 | 11.8 | 13.8 | 12.3 | 13.5 | 13.8 | 11.8 | 9.6 | 7.1 | 7.4 | 5.9 | 6.6 | 5.5 | 6.9 | 9.9 | 8.6 | 7.1 | 6.9 | 11.6 | 15.7 | 15.4 | 14.9 | 24 | 16.9 |
| 4 | 17.1 | 3.5 | 6.6 | 10.6 | 8.1 | 10.6 | 12.3 | 13.3 | 12.8 | 9.6 | 6.7 | 4.0 | 4.5 | 5.5 | 5.0 | 8.6 | 5.9 | 5.2 | 6.2 | 5.7 | 7.4 | 7.1 | 8.9 | 7.6 | 24 | 17.1 |
| 5 | 5.0 | 7.4 | 10.4 | 8.6 | 9.1 | 7.3 6 | 4.7 6 | 5.7 6 | 5.9 | 4.5 | 5.0 | AX | AX | 1.9 | 2.6 | 6.0 | 7.9 | 7.1 | 6.4 | 8.1 | 6.2 | 5.7 | 9.4 | 8.9 6 | 22 | 10.4 |
| 6 | 13.0 6 | 14.4 6 | 9.1 6 | 10.8 6 | 12.8 6 | 10.1 6 | 15.9 6 | 11.8 6 | 10.1 6 | 8.9 | 8.4 | 7.4 | 9.2 | 6.9 | 4.5 | 5.7 | 8.2 | 10.6 | 8.4 | 5.0 | 11.3 | 9.4 | 8.4 | 6.7 | 24 | 15.9 |
| 7 | 9.4 | 11.1 | 10.4 | 10.4 | 9.4 | 13.1 | 15.5 | 12.4 | 13.3 | 10.4 | 8.2 | 8.7 | 6.2 | 4.0 | 4.0 | 7.7 | 7.4 | 8.6 | 8.2 | 6.7 | 7.4 | 11.4 | 10.6 | 8.9 | 24 | 15.5 |
| 8 | 11.6 | 11.8 | 10.1 | 12.8 | 10.9 | 13.1 | 11.1 | 12.1 | 9.4 | 7.6 | 7.7 | 8.2 | 6.9 | 5.7 | 5.2 | 3.8 | 5.0 | 4.0 | 2.1 | 5.5 | 4.3 | 1.1 | 2.6 | 5.0 | 24 | 13.1 |
| 9 | 6.9 | 5.7 | 5.9 | 5.7 | 3.8 | 3.5 | 7.1 | 5.2 | 6.7 | 5.0 | 2.8 | 1.6 | 3.8 | 3.8 | 4.0 | 7.2 | 9.4 | 7.4 | 6.2 | 5.5 | 3.3 | 1.1 | 1.6 | 2.4 | 24 | 9.4 |
| 10 | 3.3 | 3.8 | 4.8 | 4.0 | 4.5 | 3.8 | 5.2 | 3.5 | 3.8 | 3.0 | 5.5 | 5.7 | 3.3 | 6.7 | 7.4 | 6.9 | 3.5 | 5.2 | 7.1 | 6.4 | 5.0 | 5.5 | 4.3 | 7.6 | 24 | 7.6 |
| 11 | 9.1 | 8.2 | 7.4 | 5.9 | 5.5 | 5.5 | 7.4 | 8.6 | 8.9 | 5.3 | 2.7 | 2.6 | 1.9 | 3.3 | 4.8 | 6.2 | 6.2 | 6.7 | 9.9 | 8.2 | 15.5 | 12.3 | 19.9 | 20.4 | 24 | 20.4 |
| 12 | 21.1 | 21.6 | 22.4 | 18.9 | 15.2 | 14.0 | 16.2 | 17.2 | 12.1 | 8.9 | 7.7 | 7.9 | 7.4 | 5.5 | 7.2 | 6.0 | 5.3 | 3.3 | 5.3 | 6.9 | 6.7 | 6.0 | 7.4 | 9.6 | 24 | 22.4 |
| 13 | 8.9 | 7.4 | 6.9 | 4.8 | 4.8 | 4.0 | 6.0 | 5.2 | 4.5 | 6.5 | 6.2 | 5.0 | 6.4 | 5.8 | 5.5 | 6.7 | 4.8 | 7.9 | 8.9 | 15.0 | 11.4 | 12.6 | 17.7 | 13.8 | 24 | 17.7 |
| 14 | 15.0 | 14.2 | 12.8 | 12.1 | 13.1 | 10.3 | 13.8 | 14.0 | 24.6 | 16.5 | 11.4 | 8.2 | 6.7 | 12.6 | 7.4 | 7.4 | 5.3 | 6.5 | 11.9 | 11.6 | 20.7 | 17.4 | 18.7 | 11.6 | 24 | 24.6 |
| 15 | 20.4 | 17.9 | 17.7 | 17.4 | 18.2 | 17.7 | 19.4 | 19.1 | 24.2 | 23.6 | 26.1 | 23.7 | 23.1 | 19.4 | 18.4 | 12.1 | 12.8 | 12.3 | 11.3 | 9.9 | 9.4 | 8.6 | 5.7 | 8.4 | 24 | 26.1 |
| 16 | 7.4 | 4.7 | 6.2 | 8.1 | 9.4 | 8.4 | 14.0 | 13.8 | 11.8 | 10.4 | 11.1 | 9.2 | 8.7 | 8.4 | 6.5 | 9.4 | 8.4 | 9.7 | 13.1 | 10.9 | 7.1 | 6.2 | 6.2 | 6.4 | 24 | 14.0 |
| 17 | 7.4 | 6.9 | 4.8 | 5.7 | 5.7 | 4.8 | 5.7 | 6.9 | 5.7 | 8.7 | 8.4 | 7.7 | 6.2 | 4.8 | 6.2 | 8.7 | 6.7 | 7.6 | 8.4 | 11.1 | 9.9 | 10.4 | 8.9 | 9.7 | 24 | 11.1 |
| 18 | 7.9 | 8.4 | 10.4 | 11.8 | 10.4 | 12.1 | 14.0 | 10.6 | 7.6 | 7.7 | 7.9 | 6.0 | 4.5 | 4.5 | 4.8 | 3.5 | 8.2 | 8.7 | 9.2 | 8.6 | 7.1 | 11.3 6 | 8.4 6 | 7.6 6 | 24 | 14.0 |
| 19 | 9.8 6 | 10.6 6 | 9.1 6 | 8.1 6 | 7.1 6 | 6.4 6 | 6.1 6 | 6.4 6 | 5.9 6 | 5.5 | 4.5 | 12.8 | 8.9 | 7.9 | 6.2 | 7.2 | 7.2 | 6.9 | 6.9 | 12.3 | 12.1 | 13.7 | 12.8 6 | 15.2 6 | 24 | 15.2 |
| 20 | 11.3 6 | 10.3 6 | 13.3 6 | 13.0 6 | 12.5 6 | 10.6 6 | 11.5 6 | 9.6 6 | 10.4 | 13.3 | 11.8 | 11.6 | 7.4 | AX | AX | 7.2 | 9.9 | 13.6 | 12.6 | 11.9 | 14.0 | 11.1 | 8.4 | 15.0 | 22 | 15.0 |
| 21 | 17.7 | 12.1 | 16.5 | 12.4 | 17.7 | 19.4 | 20.7 | 21.9 | 16.7 | 10.9 | 9.4 | 8.9 | 6.0 | 8.2 | 6.2 | 7.4 | 6.2 | 9.4 | 16.5 | 9.6 | 17.7 | 12.8 | 14.7 | 25.8 | 24 | 25.8 |
| 22 | 19.6 | 9.9 | 12.1 | 12.6 | 15.7 | 9.1 | 15.4 | 17.6 6 | 18.4 6 | 18.4 6 | 16.4 | 15.4 | 15.4 6 | 16.2 6 | 9.4 | 10.4 | 8.9 | 8.4 | 8.1 | 5.2 6 | 9.1 6 | 10.3 6 | 8.4 6 | 7.8 6 | 24 | 19.6 |
| 23 | 6.2 6 | 9.3 6 | 11.5 6 | 9.3 6 | 9.1 6 | 8.1 6 | 5.9 6 | 7.1 6 | 8.4 6 | 5.7 | 4.5 | 4.5 | 5.7 | 6.7 | 8.2 | 6.7 | 7.9 | 9.2 | 6.7 | 10.1 | 8.6 | 6.7 | 5.3 | 6.9 | 24 | 11.5 |
| 24 | 5.5 | 8.2 | 8.4 | 7.7 | 6.7 | 13.1 | 9.7 | 9.2 | 8.7 | 11.6 | 7.9 | 8.9 | 9.9 | 9.9 | 11.1 | 7.2 | 4.5 | 12.1 | 12.8 | 15.0 | 17.9 | 21.9 | 23.1 | 27.1 | 24 | 27.1 |
| 25 | 29.3 | 25.1 | 28.3 | 25.8 | 29.8 | 26.3 | 19.2 | 21.6 | 26.6 | 20.2 | 14.2 | 11.9 | 15.2 | 9.9 | 9.6 | 9.2 | 12.9 | 13.1 | 17.7 | 16.5 | 12.8 | 16.5 | 19.2 | 20.6 | 24 | 29.8 |
| 26 | 18.2 | 17.9 | 14.5 | 18.2 | 17.7 | 17.2 | 15.5 | 21.6 | 17.7 | 18.7 | 13.3 | 11.6 | 12.1 | 10.6 | 7.9 | 12.4 | 12.9 | 17.2 | 17.2 | 21.4 | 18.9 | 21.4 | 13.1 | 17.2 | 24 | 21.6 |
| 27 | 20.7 | 16.0 | 18.2 | 16.0 | 16.5 | 15.5 | 19.9 | 16.5 | 10.4 | 9.9 | 8.4 | 7.9 | 7.2 | 8.2 | 8.9 | 8.7 | 11.9 | 10.2 | 11.6 | 11.9 | 14.7 | 16.5 | 14.7 | 19.6 | 24 | 20.7 |
| 28 | 16.2 | 18.4 | 11.8 | 17.2 | 18.4 | 14.5 | 17.0 | 18.9 | 17.4 | 13.3 | 15.5 | 12.4 | 13.3 | 11.9 | 9.2 | 15.5 | 13.4 | 13.4 | 15.5 | 11.9 | 17.7 | 15.5 | 16.5 | 15.2 | 24 | 18.9 |
| 29 | 18.4 | 18.9 | 18.2 | 18.9 | 15.4 | 16.5 | 17.9 | 21.1 | 13.3 | 13.5 | 10.1 | 5.3 | 4.5 | 8.4 | 5.5 | 6.0 | 6.9 | 7.4 | 8.7 | 6.2 | 11.6 | 11.1 | 12.6 | 9.4 | 24 | 21.1 |
| 30 | 7.7 | 6.2 | 6.2 | 6.9 | 7.4 | 7.2 | 8.2 | 11.9 | 9.7 | 8.7 | 7.2 | 4.3 | 9.4 | 6.5 | 4.3 | 6.2 | 9.7 | 15.0 | 21.7 | 24.4 | 27.6 | 31.9 | 28.8 | 24.7 | 24 | 31.9 |
| 31 | 23.4 | 24.4 | 24.7 | 21.9 | 25.3 | 22.9 | 21.7 | 21.4 | 21.2 | 10.9 | 10.4 | 10.4 | 10.9 | 10.9 | 10.4 | 7.5 | 11.4 | 12.4 | 12.8 | 14.0 | 15.7 | 15.7 | 12.4 | 11.9 | 24 | 25.3 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 29.3 | 25.1 | 28.3 | 25.8 | 29.8 | 26.3 | 21.7 | 21.9 | 26.6 | 23.6 | 26.1 | 23.7 | 23.1 | 19.4 | 18.4 | 15.5 | 13.4 | 17.2 | 21.7 | 24.4 | 27.6 | 31.9 | 28.8 | 27.1 | | |
| AVG: | 12.83 | 11.76 | 11.70 | 11.78 | 11.90 | 11.33 | 12.46 | 12.66 | 12.02 | 10.41 | 9.16 | 8.49 | 8.08 | 7.77 | 6.95 | 7.64 | 8.15 | 9.10 | 10.06 | 10.44 | 11.71 | 12.18 | 12.08 | 12.60 | | |

MONTHLY OBSERVATIONS: 740 MONTHLY MEAN: 10.57 MONTHLY MAX: 31.9

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-063-0015 POC: 3
COUNTY: (063) Durham
CITY: (19000) Durham
SITE ADDRESS: 801 STADIUM DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (2280) DURHAM, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.0329550009
LONGITUDE: -78.904037
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 118
PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: FEBRUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12.1 | 11.4 | 11.4 | 9.9 | 13.3 | 13.3 | 14.7 | 10.6 | 13.6 | 17.5 | 13.3 | 11.9 | 9.4 | 11.7 | 9.9 | 7.2 | 12.8 | 12.8 | 14.5 | 14.5 | 12.6 | 13.5 | 11.9 | 12.3 | 24 | 17.5 |
| 2 | 12.8 | 14.5 | 13.5 | 9.4 | 9.9 | 12.3 | 10.1 | 9.6 | 14.0 | 10.9 | 12.4 | 9.9 | 10.2 | 9.2 | 11.4 | 14.3 | 10.2 | 11.6 | 9.2 | 8.2 | 8.7 | 8.4 | 9.2 | 8.7 | 24 | 14.5 |
| 3 | 10.4 | 9.2 | 8.4 | 9.9 | 13.3 | 11.4 | 11.4 | 14.5 | AX | AX | 6.7 | 4.8 | 3.8 | 8.6 | 5.3 | 2.1 | 2.5 | .9 | .7 | 2.8 | 2.3 | -2.0 | -1.3 | 1.9 | 22 | 14.5 |
| 4 | 3.3 | 3.5 | 3.0 | 3.3 | 3.5 | 3.0 | 1.9 | 3.6 | 4.3 | AZ | AZ | 7.9 | 7.9 | 7.7 | 7.6 | 6.9 | 10.9 | 8.6 | 6.4 | 12.6 | 12.1 | 9.7 | 9.4 | 6.7 | 22 | 12.6 |
| 5 | 14.0 | 11.8 | 8.4 | 6.2 | 7.4 | 12.1 | 10.9 | 9.1 | 9.1 | 8.7 | 7.4 | 6.4 | 7.2 | 6.9 | 4.3 | 5.5 | 5.3 | 4.3 | 12.8 | 9.9 | 17.4 | 17.2 | 13.8 | 15.2 | 24 | 17.4 |
| 6 | 12.3 | 19.6 | 16.7 | 11.6 | 11.8 | 15.4 | 20.2 | 16.0 | 14.7 | 12.4 | 9.4 | 6.9 | 6.5 | 3.8 | 6.4 | 8.2 | 7.9 | 13.3 | 11.4 | 10.9 | 12.6 | 13.1 | 15.0 | 19.9 | 24 | 20.2 |
| 7 | 14.5 | 11.6 | 12.6 | 12.8 | 9.2 | 10.4 | 9.9 | 10.4 | 11.6 | 9.6 | 6.5 | 4.5 | 4.5 | 7.7 | 9.2 | 6.9 | 6.9 | 9.6 | 9.4 | 7.7 | 7.1 | 9.4 | 9.4 | 7.6 | 24 | 14.5 |
| 8 | 11.1 | 9.2 | 9.6 | 6.9 | 9.2 | 10.4 | 9.4 | 13.1 | 13.8 | 12.1 | 10.1 | 7.9 | 5.7 | 8.4 | 10.1 | 8.7 | 9.9 | 9.9 | 9.9 | 6.4 | 6.4 | 8.2 | 9.4 | 6.9 | 24 | 13.8 |
| 9 | 10.4 | 11.6 | 11.6 | 11.8 | 7.9 | 6.9 | 7.9 | 5.5 | 7.2 | 9.4 | 7.7 | 4.8 | 6.7 | 6.7 | 5.5 | 4.8 | 7.7 | 6.7 | 8.1 | 6.0 | 4.8 | 6.2 | 7.6 | 8.6 | 24 | 11.8 |
| 10 | 7.4 | 6.7 | 8.4 | 5.5 | 7.4 | 10.1 | 9.4 | 11.9 | 11.1 | 10.9 | 9.4 | 10.4 | 8.9 | 9.7 | 8.9 | 10.4 | 12.3 | 9.4 | 10.6 | 9.9 | 10.1 | 10.4 | 10.6 | 6.4 | 24 | 12.3 |
| 11 | 5.9 | 4.7 | 5.2 | 7.1 | 7.6 | 7.9 6 | 13.8 6 | 11.8 6 | 10.1 | 6.2 | 5.5 | 7.7 | 9.2 | 6.9 | 7.9 | 6.9 | 5.0 | 10.4 | 11.1 | 13.8 | 14.5 | 14.5 | 13.3 | 9.9 | 24 | 14.5 |
| 12 | 10.1 | 9.1 | 8.1 | 8.4 | 8.7 | 7.6 | 7.9 | 10.9 | 10.4 | 6.7 | 9.6 | 8.2 | 8.7 | 6.9 | 6.0 | 10.1 | 10.9 | 10.6 | 12.6 | 11.6 | 12.8 | 14.5 | 16.7 | 17.9 | 24 | 17.9 |
| 13 | 18.7 | 16.5 | 17.0 | 11.8 | 8.6 | 7.9 | 10.1 | 12.3 | 13.1 | 13.3 | 11.6 | 7.9 | 7.9 | 11.6 | 7.4 | 6.2 | 7.9 | 10.6 | 7.9 | 8.7 | 8.6 6 | 10.9 6 | 6.9 6 | 6.1 6 | 24 | 18.7 |
| 14 | 8.3 6 | 10.1 6 | 7.1 6 | 9.8 6 | 9.8 6 | 6.3 6 | 7.6 6 | 7.1 6 | 5.5 6 | 4.8 | 5.0 | 3.1 | 5.3 | 7.4 | 7.2 | 9.7 | 6.0 | 4.3 | 11.4 | 11.4 | 11.9 | 9.6 | 10.1 | 7.1 | 24 | 11.9 |
| 15 | 6.9 | 8.2 | 8.7 | 8.2 | 9.4 | 7.1 6 | 10.1 6 | 9.1 6 | 9.2 6 | 9.9 6 | 9.4 | 7.9 | 6.2 | 5.7 | 3.3 | 4.1 | 5.7 | 7.2 | 6.2 | 6.5 | 6.9 | 9.2 | 8.7 | 8.7 | 24 | 10.1 |
| 16 | 8.7 | 7.7 | 7.7 | 6.4 | 6.0 | 5.0 | 3.8 | 1.9 | 2.2 | 3.1 | 5.3 | 5.8 | 6.2 | 4.1 | 1.9 | 1.9 | 6.2 | 6.7 | 9.2 | 9.4 | 10.4 | 7.7 | 10.4 | 7.5 | 24 | 10.4 |
| 17 | 8.2 | 8.4 | 7.9 | 7.7 | 7.4 | 6.0 | 8.4 | 11.4 | 7.9 | 6.0 | 6.5 | 6.5 | 6.5 | 3.8 | 4.8 | 5.1 | 6.5 | 8.0 | 12.9 | 9.9 | 6.9 | 9.2 | 8.4 | 9.4 | 24 | 12.9 |
| 18 | 10.9 | 13.1 | 8.2 | 7.4 | 8.6 | 8.7 | 11.6 | 11.4 | 13.6 | 14.0 | 8.7 | 9.2 | 8.4 | BA | BA | 7.9 | 5.7 | 6.9 | 9.4 | 7.9 | 14.5 | 12.6 | 14.8 | 13.8 | 22 | 14.8 |
| 19 | 20.2 | 14.3 | 15.9 | 16.0 | 17.2 | 9.2 | 14.8 | 11.1 | 13.3 | 11.4 | 8.4 | 8.7 | 12.3 | 12.6 | 10.6 | 8.1 | 8.4 | 9.6 | 12.8 | 14.2 | 16.5 | 16.5 | 13.3 | 13.7 | 24 | 20.2 |
| 20 | 13.7 | 11.4 | 10.6 | 14.2 | 9.7 | 7.9 | 8.6 | 9.4 | 10.9 | 11.4 | 18.9 | 14.0 | 13.3 | 19.7 | 19.2 | 17.0 | 19.7 | 22.4 | 22.1 | 23.6 | 18.4 | 17.9 | 19.4 | 15.7 | 24 | 23.6 |
| 21 | 20.7 | 19.4 | 21.2 | 20.2 | 23.9 | 20.9 | 21.4 | 20.9 | 20.9 | 22.1 | 18.9 | 17.5 | 16.5 | 13.8 | 15.0 | 17.0 | 16.5 | 15.2 | 18.9 | 23.1 | 22.6 | 15.7 | 21.9 | 16.5 | 24 | 23.9 |
| 22 | 18.4 | 14.7 | 14.5 | 16.2 | 19.2 | 20.2 | 9.9 | 15.0 | 12.1 | 14.7 | AX | AX | 18.7 | 20.2 | 13.3 | 19.2 | 16.9 | 19.4 | 14.0 | 15.7 | 14.7 | 8.9 | 8.9 | 6.9 | 22 | 20.2 |
| 23 | 5.7 | 7.2 | 5.0 | 4.8 | 5.3 | 3.5 | 1.9 | 4.3 | 7.4 | 4.8 | 1.4 | 1.7 | 2.3 | 3.6 | 3.8 | 3.3 | .4 | 6.7 | 6.2 | 3.1 | 5.3 | 6.4 | 5.7 | 6.0 | 24 | 7.4 |
| 24 | 4.5 | 3.0 | 2.1 | 4.3 | 3.5 | .7 | .2 | 1.2 | .9 | .2 | 2.3 | .2 | -2.7 | -.5 | -.3 | 1.4 | 5.0 | 4.5 | 8.4 | 5.7 | 7.4 | 5.3 | 5.0 | 3.8 | 24 | 8.4 |
| 25 | 6.0 | 7.4 | 6.0 | 5.3 | 4.5 | 3.3 | 7.9 | 6.5 | 5.1 | 4.3 | 4.3 | 5.5 | 4.8 | 3.8 | 4.5 | 7.0 | 5.3 | 2.2 | 5.3 | 4.5 | 3.3 | 3.6 | 4.8 | 5.5 | 24 | 7.9 |
| 26 | 5.5 | 8.4 | 10.1 | 7.7 | 9.7 | 9.6 | 9.2 | 10.9 | 6.9 | 5.3 | 5.3 | 3.8 | 5.1 | 6.9 | 8.2 | 8.7 | 6.5 | 6.2 | 8.2 | 7.2 | 8.9 | 9.4 | 8.7 | 7.9 | 24 | 10.9 |
| 27 | 10.6 | 9.9 | 11.9 | 8.4 | 7.7 | 8.7 | 9.7 | 10.6 | 10.4 | 9.7 | 9.4 | 8.4 | 8.9 | 9.2 | 8.9 | 11.2 | 9.4 | 8.4 | 10.7 | 12.6 | 12.9 | 16.2 | 14.7 | 21.6 | 24 | 21.6 |
| 28 | 25.6 | 19.9 | 15.0 | 14.7 | 16.7 | 16.2 | 16.2 | 13.8 | 15.5 | 14.0 | 11.4 | 9.7 | 6.9 | 6.0 | 5.3 | 7.0 | 7.2 | 7.9 | 8.9 | 10.4 | 17.7 | 14.5 | 12.6 | 11.9 | 24 | 25.6 |
| 29 | 11.9 | 12.9 | 13.6 | 12.9 | 16.7 | 20.9 | 15.5 | 17.5 | 18.2 | 8.9 | 9.4 | 9.9 | 7.7 | 9.7 | 10.2 | 11.4 | 8.2 | 8.2 | 11.4 | 16.0 | 19.7 | 15.0 | 19.2 | 19.9 | 24 | 20.9 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 28 | 27 | 27 | 28 | 29 | 28 | 28 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | | |
| MAX: | 25.6 | 19.9 | 21.2 | 20.2 | 23.9 | 20.9 | 21.4 | 20.9 | 20.9 | 22.1 | 18.9 | 17.5 | 18.7 | 20.2 | 19.2 | 19.2 | 19.7 | 22.4 | 22.1 | 23.6 | 22.6 | 17.9 | 21.9 | 21.6 | | |
| AVG: | 11.34 | 10.88 | 10.32 | 9.61 | 10.11 | 9.76 | 10.15 | 10.39 | 10.46 | 9.71 | 8.67 | 7.54 | 7.69 | 8.28 | 7.71 | 8.21 | 8.41 | 9.05 | 10.37 | 10.49 | 11.31 | 10.75 | 10.98 | 10.48 | | |

MONTHLY OBSERVATIONS: 688 MONTHLY MEAN: 9.70 MONTHLY MAX: 25.6

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-063-0015 POC: 3
COUNTY: (063) Durham
CITY: (19000) Durham
SITE ADDRESS: 801 STADIUM DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (2280) DURHAM, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.0329550009
LONGITUDE: -78.904037
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 118
PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MARCH 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16.0 | 18.5 | 17.0 | 12.8 | 15.5 | 17.2 | 15.7 | 18.7 | AX | AX | 11.9 | 12.6 | 8.4 | 9.9 | 9.0 | 9.2 | 10.1 | 20.4 | 19.9 | 22.6 | 19.9 | 23.6 | 21.2 | 29.5 | 22 | 29.5 |
| 2 | 27.1 | 25.8 | 20.4 | 8.7 | 4.8 | 4.8 | 4.5 | 3.3 | 4.3 | 6.0 | 6.7 | 7.2 | 6.7 | 7.9 | 6.9 | 5.0 | 3.5 | 6.4 | 9.2 | 8.7 | 6.7 | 5.3 | 7.7 | 11.1 | 24 | 27.1 |
| 3 | 10.4 | 9.4 | 8.9 | 8.6 | 7.9 | 9.4 | 8.4 | 8.2 | 7.4 | 6.5 | 3.8 | 6.5 | 8.2 | 7.4 | 4.5 | 8.9 | 7.7 | 7.1 | 10.6 | 10.4 | 7.4 | 8.7 | 9.9 | 9.1 | 24 | 10.6 |
| 4 | 9.4 | 7.9 | 7.9 | 7.4 | 11.6 | 13.1 | 17.9 | 18.2 | 21.1 | 16.2 | 13.1 | 11.6 | 14.5 | 10.1 | 8.1 | 12.1 | 9.6 | 7.2 | 11.4 | 15.5 | 15.7 | 11.4 | 10.1 | 11.4 | 24 | 21.1 |
| 5 | 11.6 | 10.4 | 16.5 | 13.1 | 13.7 | 12.8 | 18.9 | 20.6 | 24.2 | 17.2 | 17.5 | 15.5 | 10.9 | 13.7 | 15.5 | 12.9 | 10.9 | 11.6 | 15.2 | 13.1 | 17.7 | 19.7 | 19.7 | 15.2 | 24 | 24.2 |
| 6 | 16.5 | 15.7 | 17.4 | 17.7 | 18.4 | 19.7 | 16.2 | 16.2 | 11.1 | 7.7 | 6.0 | 9.9 | 8.1 | 6.7 | 8.4 | 6.7 | 7.2 | 6.7 | 8.7 | 9.4 | 12.3 | 13.1 | 13.1 | 17.7 | 24 | 19.7 |
| 7 | 13.3 | 20.4 | 16.0 | 13.1 | 16.2 | 15.0 | 16.5 | 15.0 | 16.0 | 11.1 | 10.1 | 8.9 | 8.9 | 10.6 | 9.2 | 7.9 | 6.9 | 8.7 | 10.1 | 12.6 | 14.5 | 12.6 | 10.9 | 13.1 | 24 | 20.4 |
| 8 | 17.0 | 16.2 | 14.0 | 17.0 | 14.5 | 17.0 | 20.7 | 16.5 | 13.4 | 14.2 | 12.4 | 11.9 | 11.4 | 8.2 | 10.4 | 11.1 | 11.4 | 11.9 | 10.9 | 16.9 | 15.2 | 16.5 | 14.0 | 15.0 | 24 | 20.7 |
| 9 | 14.5 | 19.7 | 24.1 | 23.1 | 26.3 | 24.9 | 21.4 | 23.1 | 12.3 | 8.9 | 5.5 | 7.9 | 7.2 | 6.0 | 6.0 | 4.5 | 4.8 | 5.7 | 12.6 | 12.1 | 18.2 | 16.7 | 11.6 | 14.7 | 24 | 26.3 |
| 10 | 18.2 | 10.9 | 9.9 | 11.4 | 10.8 | 6.9 | 7.2 | 9.2 | 7.2 | 6.4 | 8.2 | 9.2 | 8.7 | 9.2 | 9.9 | 10.4 | 9.2 | 29.5 | 28.3 | 13.6 | 20.9 | 15.5 | 18.7 | 25.6 | 24 | 29.5 |
| 11 | 9.9 | 6.7 | 6.4 | 7.4 | 5.5 | 5.5 | 8.4 | 7.4 | 7.9 | 10.1 | 10.6 | 11.1 | 7.9 | 9.7 | 9.9 | 6.0 | 6.0 | 7.9 | 13.8 | 12.8 | 14.7 | 15.5 | 11.8 | 11.6 | 24 | 15.5 |
| 12 | 13.3 | 13.1 | 9.4 | 6.4 | 7.7 | 7.6 | 6.2 | 8.7 | 6.4 | 4.8 | 5.7 | 8.4 | 6.7 | 6.5 | 11.9 | 16.5 | 16.5 | 13.1 | 16.7 | 17.5 | 17.0 | 15.7 | 14.5 | 15.7 | 24 | 17.5 |
| 13 | 12.8 | 11.4 | 7.4 | 10.4 | 7.4 | 9.1 | 8.4 | 7.4 | 12.6 | 10.6 | 6.2 | 8.7 | 5.5 | 5.3 | 10.9 | 12.8 | 9.4 | 10.4 | 10.1 | 9.1 | 6.4 | 4.3 | 2.8 | 3.6 | 24 | 12.8 |
| 14 | 4.8 | 3.8 | 4.0 | 5.0 | 2.8 | 3.6 | 8.7 | 7.9 | 8.9 | 9.1 | 8.9 | 12.3 | 12.1 | 10.6 | 7.4 | 6.4 | 14.2 | 11.4 | 9.4 | 8.7 | 6.4 | 4.7 | 4.8 | 3.5 | 24 | 14.2 |
| 15 | 5.2 | 3.3 | 3.1 | 4.0 | .9 | .7 | 4.3 | 3.8 | 2.6 | 3.3 | 2.9 | 1.7 | 1.2 | 2.4 | 1.9 | 3.5 | 4.5 | 4.0 | 5.2 | 6.0 | 9.2 | 9.9 | 7.9 | 13.3 | 24 | 13.3 |
| 16 | 11.3 | 9.4 | 13.3 | 9.2 | 8.6 | 13.8 | 11.4 | 11.4 | 17.9 | 13.1 | AX | AX | 13.8 | 13.6 | 14.5 | 11.1 | 13.8 | 11.1 | 9.7 | 12.6 | 10.9 | 7.9 | 6.9 | 6.2 | 22 | 17.9 |
| 17 | 7.2 | 8.9 | 10.4 | 7.9 | 9.1 | 8.1 | 6.2 | 4.8 | 4.5 | 5.2 | 5.3 | 2.4 | 2.4 | 3.5 | 4.5 | 6.2 | 4.3 | 5.3 | 9.2 | 8.9 | 12.1 | 15.4 | 9.9 | 13.5 | 24 | 15.4 |
| 18 | 14.0 | 10.9 | 8.1 | 8.4 | 8.1 | 8.6 | 17.0 | 10.9 | 6.9 | 7.9 | 5.9 | 5.5 | 5.5 | 4.8 | 6.0 | 5.7 | 6.9 | 8.6 | 7.9 | 12.6 | 15.4 | 18.4 | 11.9 | 14.2 | 24 | 18.4 |
| 19 | 14.0 | 12.8 | 14.3 | 16.2 | 17.4 | 14.3 | 22.4 | 20.9 | 16.9 | 13.8 | 10.9 | 8.1 | 6.2 | 10.1 | 13.8 | 11.6 | 9.1 | 7.9 | 11.6 | 9.4 | 9.1 | 8.9 | 12.1 | 9.9 | 24 | 22.4 |
| 20 | 12.1 | 11.3 | 8.9 | 8.9 | 10.1 | 8.9 | 8.1 | 9.9 | 12.3 | 9.1 | 10.1 | 8.9 | 8.4 | 8.1 | 6.2 | 8.1 | 11.1 | 9.6 | 9.9 | 15.2 | 13.3 | 16.7 | 16.9 | 15.9 | 24 | 16.9 |
| 21 | 13.8 | 14.3 | 16.7 | 15.9 | 11.8 | 11.6 | 13.8 | 11.1 | 9.4 | 8.6 | 8.4 | BA | 6.7 | 6.0 | 7.2 | 6.7 | 6.7 | 9.1 | 9.2 | 8.4 | AH | 5.7 | AH | AH | 20 | 16.7 |
| 22 | 12.6 | 15.5 | 10.6 | 13.8 | 10.3 | AH | AH | 16.2 | 13.1 | 8.9 | 4.8 | 5.7 | 7.9 | 7.4 | 9.2 | 8.4 | 8.4 | 10.1 | 14.5 | 15.0 | 13.8 | 25.4 | 25.1 | 20.1 | 22 | 25.4 |
| 23 | 18.9 | 20.1 | 24.9 | 23.9 | 25.4 | 25.4 | 28.3 | 23.9 | 18.7 | 21.9 | 15.5 | 16.5 | 11.9 | 14.7 | 12.4 | 8.9 | 44.3 | 11.4 | 8.9 | 16.7 | 25.1 | 21.6 | 17.2 | 22.6 | 24 | 44.3 |
| 24 | 23.9 | 20.1 | 21.4 | 17.0 | 10.6 | 16.0 | 13.3 | 12.4 | 9.4 | 13.3 | 10.6 | 14.5 | 13.1 | 16.2 | 12.1 | 11.9 | 10.9 | 13.7 | 15.5 | 12.3 | 7.2 | 4.0 | 4.0 | 5.9 | 24 | 23.9 |
| 25 | 7.6 | 6.2 | 4.3 | 4.0 | 3.5 | 2.8 | 6.4 | 5.5 | 3.3 | 9.6 | 7.7 | 8.4 | 7.1 | 6.9 | 6.7 | 5.5 | 6.9 | 7.6 | 7.4 | 8.4 | 12.6 | 12.1 | 17.7 | 17.2 | 24 | 17.7 |
| 26 | 13.7 | 12.8 | 10.9 | 14.9 | 15.4 | 14.5 | 13.5 | 13.1 | 12.8 | 10.4 | 9.2 | 10.4 | 9.9 | 11.6 | 9.1 | 12.3 | 12.1 | 12.6 | 13.5 | 15.2 | 13.1 | 13.7 | 14.2 | 11.1 | 24 | 15.4 |
| 27 | 11.3 | 10.8 | 11.1 | 11.8 | 9.8 | 14.4 | 11.6 | 6.7 | 5.0 | 3.3 | 3.3 | 4.0 | 5.0 | 5.0 | 7.4 | 5.7 | 7.4 | 7.6 | 3.3 | .4 | 3.3 | 2.5 | -.3 | -.3 | 24 | 14.4 |
| 28 | 1.1 | 3.0 | 3.5 | 2.5 | 2.0 | 4.5 | 2.5 | -.1 | 2.8 | 2.6 | 4.0 | 5.5 | 4.0 | 6.4 | 5.5 | 4.5 | 3.3 | 4.5 | 6.4 | 4.8 | 7.9 | 7.6 | 6.2 | 8.1 | 24 | 8.1 |
| 29 | 8.6 | 8.4 | 7.4 | 8.9 | 8.9 | 10.8 | 9.6 | 8.9 | 9.9 | 6.9 | 6.7 | 8.7 | 7.4 | 5.7 | 6.0 | 5.5 | 6.9 | 10.4 | 9.9 | 9.9 | 10.1 | 10.3 | 12.6 | 11.4 | 24 | 12.6 |
| 30 | 12.1 | 10.6 | 13.7 | 13.7 | 9.1 | 12.6 | 11.3 | 10.9 | 8.9 | 14.5 | AX | AX | 6.7 | 7.2 | 6.7 | 6.9 | 6.7 | 6.7 | 7.4 | 8.6 | 13.5 | 11.1 | 6.2 | 9.6 | 22 | 14.5 |
| 31 | 7.1 | 7.4 | 10.6 | 9.6 | 9.6 | 11.6 | 6.6 | 5.9 | 4.5 | 4.5 | 4.8 | 8.9 | 6.0 | 5.2 | 7.4 | 7.6 | 8.1 | 10.8 | 6.9 | 13.1 | 8.4 | 4.5 | 3.3 | -1.3 | 24 | 13.1 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 31 | 30 | 30 | 29 | 28 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 30 | 30 | | |
| MAX: | 27.1 | 25.8 | 24.9 | 23.9 | 26.3 | 25.4 | 28.3 | 23.9 | 24.2 | 21.9 | 17.5 | 16.5 | 14.5 | 16.2 | 15.5 | 16.5 | 44.3 | 29.5 | 28.3 | 22.6 | 25.1 | 25.4 | 25.1 | 29.5 | | |
| AVG: | 12.56 | 12.12 | 12.02 | 11.38 | 10.76 | 11.51 | 12.18 | 11.50 | 10.39 | 9.52 | 8.16 | 8.96 | 8.01 | 8.28 | 8.54 | 8.40 | 9.64 | 9.97 | 11.07 | 11.63 | 12.60 | 12.23 | 11.42 | 12.47 | | |

MONTHLY OBSERVATIONS: 732 MONTHLY MEAN: 10.64 MONTHLY MAX: 44.3

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-063-0015 POC: 3
COUNTY: (063) Durham
CITY: (19000) Durham
SITE ADDRESS: 801 STADIUM DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (2280) DURHAM, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.0329550009
LONGITUDE: -78.904037
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 118
PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: APRIL 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -4.0 | -.8 | .9 | 2.8 | 2.8 | 1.9 | 6.4 | 4.0 | -1.1 | -.8 | .1 | 2.3 | BA | 2.1 | 2.1 | 1.1 | -.3 | 2.8 | 3.8 | 2.5 | 4.5 | 5.5 | 5.0 | 4.7 | 23 | 6.4 |
| 2 | 3.8 | 2.0 | 4.3 | 3.8 | 3.0 | 6.2 | 9.6 | 5.7 | 4.7 | 9.4 | 7.4 | 6.6 | 5.2 | 4.7 | 4.3 | 5.5 | 6.2 | 5.5 | 5.5 | 6.6 | 6.7 | 5.2 | 6.7 | 5.7 | 24 | 9.6 |
| 3 | 6.2 | 8.9 | 9.4 | 7.9 | 7.1 | 6.9 | 8.6 | 6.6 | 6.7 | 10.6 | 6.9 | 4.0 | 6.7 | 8.4 | 6.0 | 3.0 | 5.7 | 6.9 | 8.6 | 9.6 | 7.9 | 10.8 | 10.3 | 8.9 | 24 | 10.8 |
| 4 | 10.4 | 9.9 | 12.6 | 14.4 | 9.9 | 11.6 | 9.4 | 7.6 | 6.7 | 6.2 | 4.3 | 4.5 | 6.4 | 5.2 | 3.3 | 3.8 | 5.5 | 7.7 | 8.7 | 9.6 | 10.1 | 11.3 | 10.9 | 12.8 | 24 | 14.4 |
| 5 | 14.9 | 13.7 | 10.9 | 14.0 | 12.8 | 13.5 | 10.4 | 9.1 | 9.4 | 10.6 | 7.1 | 6.7 | 6.9 | 8.2 | 5.9 | 5.0 | 5.9 | 10.9 | 9.4 | 8.4 | 9.9 | 9.9 | 8.1 | 9.1 | 24 | 14.9 |
| 6 | 9.1 | 7.4 | 9.4 | 12.3 | 12.5 | 10.1 | 12.3 | 7.4 | 8.4 | 8.1 | 5.0 | 5.5 | 6.4 | 5.2 | 4.0 | 8.2 | 5.7 | 9.4 | 10.9 | 9.4 | 7.9 | 8.4 | 10.6 | 8.9 | 24 | 12.5 |
| 7 | 8.1 | 7.1 | 7.9 | 6.4 | 3.8 | 4.0 | 5.9 | 6.2 | 6.4 | 6.7 | 4.7 | 3.0 | 2.8 | 2.8 | 4.0 | 3.5 | 5.2 | 6.7 | 6.2 | 7.4 | 10.4 | 6.4 | 4.7 | 6.4 | 24 | 10.4 |
| 8 | 5.7 | 6.9 | 5.9 | 5.5 | 8.1 | 10.6 | 9.6 | 7.9 | 6.7 | 7.4 | 5.5 | 4.8 | 6.7 | 6.4 | 5.7 | 5.5 | 4.8 | 5.9 | 9.1 | 5.5 | 9.8 | 11.3 | 10.9 | 8.1 | 24 | 11.3 |
| 9 | 6.9 | 5.0 | 5.9 | 6.9 | 4.8 | 3.8 | 4.0 | 3.0 | 4.0 | 10.6 | 14.0 | 7.6 | 6.4 | 4.8 | 5.0 | 6.0 | 7.7 | 6.2 | 7.1 | 7.4 | 9.4 | 5.7 | 5.5 | 6.7 | 24 | 14.0 |
| 10 | 6.4 | 8.6 | 9.6 | 8.1 | 9.1 | 9.9 | 7.9 | 7.1 | 6.4 | 3.8 | 3.3 | 2.5 | 5.7 | 5.5 | 3.5 | 3.1 | 6.9 | 6.4 | 10.9 | 8.4 | 10.4 | 11.1 | 11.3 | 12.1 | 24 | 12.1 |
| 11 | 11.1 | 13.7 | 9.6 | 6.9 | 7.4 | 8.6 | 10.1 | 12.1 | 9.6 | 6.0 | 6.7 | 6.0 | 7.2 | 6.7 | 5.5 | 11.1 | 12.5 | 9.4 | 13.0 | 12.1 | 13.7 | 9.8 | 5.7 | 7.9 | 24 | 13.7 |
| 12 | 8.1 | 13.0 | 17.7 | 26.3 | 31.9 | 24.0 | 18.4 | 14.4 | 11.8 | 15.7 | 7.1 | 5.4 | 5.7 | 11.1 | 6.2 | 4.0 | 5.7 | 4.0 | 5.7 | 5.0 | 8.4 | 8.4 | 9.4 | 9.1 | 24 | 31.9 |
| 13 | 8.1 | 12.7 | 11.5 | 13.0 | 9.1 | 11.8 | 12.1 | 7.9 | 7.9 | AX | AX | BA | BA | 11.8 | 7.6 | 5.5 | 8.4 | 9.4 | 7.1 | 15.7 | 8.1 | 13.5 | 12.1 | 8.9 | 20 | 15.7 |
| 14 | 9.9 | 6.9 | 13.7 | 13.5 | 10.8 | 12.5 | 11.6 | 14.5 | 8.9 | 7.1 | 8.6 | 8.9 | 9.4 | 8.1 | 6.6 | 5.7 | 6.9 | 5.0 | 8.6 | 7.9 | 8.6 | 8.6 | 12.8 | 9.4 | 24 | 14.5 |
| 15 | 8.1 | 9.9 | 8.6 | 9.6 | 13.5 | 12.3 | 10.1 | 7.7 | 8.4 | 8.1 | 5.7 | 5.2 | 9.1 | 6.7 | 5.0 | 7.9 | 7.4 | 5.9 | 8.9 | 8.9 | 7.1 | 9.6 | 8.4 | 9.6 | 24 | 13.5 |
| 16 | 7.1 | 9.9 | 8.1 | 8.1 | 11.3 | 8.4 | 7.1 | 6.2 | 6.0 | 5.5 | 9.6 | 6.9 | 3.8 | 3.8 | 6.9 | 6.4 | 5.0 | 5.5 | 5.7 | 15.7 | 20.4 | 12.7 | 12.3 | 16.4 | 24 | 20.4 |
| 17 | 14.7 | 13.7 | 15.2 | 13.0 | 12.0 | 15.7 | 10.6 | 9.1 | 13.2 | 8.4 | 7.4 | 6.4 | 8.4 | 6.5 | 7.9 | 7.2 | 5.0 | 5.9 | 10.4 | 8.9 | 18.2 | 16.9 | 16.7 | 13.2 | 24 | 18.2 |
| 18 | 12.5 | 14.9 | 14.4 | 15.4 | 14.4 | 13.5 | 13.7 | 12.0 | 9.4 | 11.8 | 8.7 | 5.2 | BA | BA | .4 | 2.8 | 6.4 | 6.4 | 6.9 | 17.4 | 16.5 | 19.4 | 19.1 | 23.8 | 22 | 23.8 |
| 19 | 23.1 | 14.7 | 20.4 | 17.4 | 18.9 | 15.4 | 19.1 | 18.2 | 4.8 | 10.1 | 10.9 | 6.7 | 7.2 | 7.4 | 10.4 | 7.4 | 6.2 | 8.4 | 11.8 | 14.9 | 21.6 | 18.9 | 19.6 | 18.9 | 24 | 23.1 |
| 20 | 14.2 | 16.7 | 12.3 | 10.1 | 11.3 | 12.8 | 9.9 | 10.1 | 8.4 | 12.5 | 9.1 | 6.7 | 4.8 | 7.7 | 6.7 | 39.4 | 38.1 | 11.8 | 7.6 | 14.9 | 16.2 | 16.4 | 11.3 | 13.2 | 24 | 39.4 |
| 21 | 12.8 | 10.1 | 13.5 | 17.9 | 26.3 | 31.7 | 30.5 | 21.6 | 19.9 | 13.5 | 12.8 | 17.0 | 16.9 | 31.5 | 18.2 | 16.7 | 17.4 | 13.2 | 15.0 | 10.9 | 14.0 | 12.5 | 8.6 | 13.0 | 24 | 31.7 |
| 22 | 14.4 | 11.3 | 14.5 | 13.7 | 17.2 | 10.6 | 12.8 | 12.3 | 13.5 | 10.1 | 12.1 | 10.1 | 15.9 | 13.0 | 12.8 | 10.9 | 7.4 | 4.7 | 8.9 | 10.8 | 13.0 | 8.6 | 14.4 | 13.9 | 24 | 17.2 |
| 23 | 13.7 | 11.3 | 9.1 | 5.9 | 7.1 | 9.6 | 11.8 | 7.1 | 3.5 | 6.0 | 5.5 | 4.0 | 4.3 | 8.6 | 8.4 | 3.5 | 1.4 | 6.2 | 9.6 | 10.1 | 10.6 | 8.4 | 12.1 | 10.1 | 24 | 13.7 |
| 24 | 11.8 | 9.1 | 13.5 | 11.6 | 12.0 | 12.5 | 11.8 | 9.9 | 9.1 | 6.9 | 5.2 | 7.4 | 7.9 | 5.9 | 6.9 | 7.6 | 8.6 | 6.4 | 12.3 | 12.3 | 12.6 | 18.7 | 13.5 | 17.2 | 24 | 18.7 |
| 25 | 15.9 | 14.4 | 13.7 | 11.6 | 15.7 | 15.7 | 10.6 | 13.7 | 8.6 | 6.9 | 8.7 | 8.4 | 7.9 | 10.6 | 9.1 | 11.8 | 11.9 | 10.4 | 7.6 | 9.4 | 12.6 | 22.1 | 27.1 | 17.9 | 24 | 27.1 |
| 26 | 16.2 | 17.6 | 12.7 | 10.8 | 12.1 | 13.2 | 9.6 | 11.1 | 8.6 | 7.4 | 10.4 | 8.9 | 11.3 | 13.0 | 15.0 | 13.3 | 7.9 | 13.0 | 11.1 | 11.1 | 8.7 | 21.6 | 23.1 | 20.9 | 24 | 23.1 |
| 27 | 20.6 | 17.2 | 15.9 | 12.3 | 15.9 | 14.0 | 15.7 | 13.9 | 17.4 | 14.7 | 15.4 | 12.1 | 9.9 | 14.9 | 11.3 | 14.4 | 11.1 | 17.2 | 14.7 | 9.4 | 10.9 | 13.7 | 10.1 | 11.8 | 24 | 20.6 |
| 28 | 8.4 | 7.4 | 8.9 | 11.3 | 11.3 | 11.3 | 8.9 | 10.8 | 12.1 | 11.1 | 15.4 | 17.7 | 15.4 | 13.1 | 8.6 | 10.6 | 11.8 | 11.6 | 9.1 | 7.6 | 8.1 | 6.6 | 6.6 | 12.1 | 24 | 17.7 |
| 29 | 11.6 | 5.0 | -.3 | 2.7 | 7.4 | 5.0 | 5.4 | 6.9 | 4.7 | 2.8 | 1.8 | 6.2 | 9.1 | 10.1 | 9.6 | 8.4 | 8.4 | 7.4 | 10.6 | 10.3 | 11.1 | 9.1 | 10.3 | 9.1 | 24 | 11.6 |
| 30 | 11.3 | 10.6 | 8.1 | 10.3 | 6.6 | 9.6 | 7.3 | 3.3 | 3.0 | 7.8 | 5.4 | 4.0 | 4.7 | 8.9 | 8.4 | 16.4 | 12.1 | 13.2 | 13.0 | 12.8 | 11.8 | 10.1 | 9.8 | 9.1 | 24 | 16.4 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 27 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 23.1 | 17.6 | 20.4 | 26.3 | 31.9 | 31.7 | 30.5 | 21.6 | 19.9 | 15.7 | 15.4 | 17.7 | 16.9 | 31.5 | 18.2 | 39.4 | 38.1 | 17.2 | 15.0 | 17.4 | 21.6 | 22.1 | 27.1 | 23.8 | | |
| AVG: | 10.70 | 10.29 | 10.60 | 10.78 | 11.54 | 11.56 | 11.04 | 9.58 | 8.24 | 8.45 | 7.75 | 6.92 | 7.86 | 8.71 | 7.18 | 8.52 | 8.43 | 8.11 | 9.26 | 10.03 | 11.31 | 11.71 | 11.57 | 11.63 | | |

MONTHLY OBSERVATIONS: 713 MONTHLY MEAN: 9.67 MONTHLY MAX: 39.4

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-063-0015 POC: 3
COUNTY: (063) Durham
CITY: (19000) Durham
SITE ADDRESS: 801 STADIUM DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (2280) DURHAM, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.0329550009
LONGITUDE: -78.904037
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 118
PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MAY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.6 | 6.2 | 6.9 | 14.0 | 9.4 | 8.4 | 6.9 | 7.6 | 9.3 | 9.4 | 6.9 | 7.9 | 10.6 | 5.7 | 4.7 | 4.2 | 6.9 | 5.9 | 7.9 | 10.3 | 14.7 | 8.9 | 8.9 | 5.9 | 24 | 14.7 |
| 2 | 11.1 | 10.8 | 5.7 | 7.4 | 13.0 | 9.8 | 8.6 | 7.1 | 10.8 | 9.6 | 11.1 | 11.6 | 13.3 | 9.1 | 12.3 | 8.4 | 15.4 | 6.4 | 6.6 | 8.4 | 10.6 | 10.6 | 8.4 | 9.6 | 24 | 15.4 |
| 3 | 11.1 | 8.1 | 4.5 | 7.6 | 7.1 | 6.6 | 8.1 | 7.6 | 9.8 | 8.6 | 6.1 | .0 | 3.5 | 9.1 | 8.4 | AX | AX | BA | BA | 4.2 | 4.9 | 6.1 | 5.0 | 4.5 | 20 | 11.1 |
| 4 | 8.1 | 3.2 | 8.8 | 10.0 | 7.8 | 8.8 | 9.6 | 7.6 | AZ | AZ | BA | BA | BA | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 8 | 10.0 |
| 5 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | BA | 5.0 2 | 5.2 2 | 6.9 2 | 8.4 2 | 5.0 2 | 3.0 2 | 3.0 2 | 4.5 2 | 3.5 2 | 5.7 2 | 7.8 2 | 10.3 2 | 7.1 2 | 5.7 2 | 14 | 10.3 |
| 6 | 3.7 2 | 2.7 2 | 3.9 2 | 4.2 2 | 5.2 2 | 2.2 2 | .9 2 | 2.7 2 | 7.3 2 | 5.4 2 | 4.7 2 | 4.5 2 | 6.6 2 | 6.4 2 | 4.7 2 | 8.9 2 | 7.9 2 | 9.3 2 | 9.1 2 | 9.3 2 | 11.1 2 | 17.6 2 | 9.8 2 | 11.8 2 | 24 | 17.6 |
| 7 | 11.8 2 | 9.6 2 | 11.1 2 | 12.0 2 | 11.8 2 | 8.9 2 | 12.3 2 | 10.6 2 | 7.1 2 | 11.3 2 | 10.3 2 | 11.3 2 | 12.3 2 | 7.4 2 | 7.6 2 | 11.1 2 | 12.6 2 | 11.6 2 | 13.9 2 | 14.4 2 | 15.9 2 | 19.9 2 | 12.3 2 | 13.0 2 | 24 | 19.9 |
| 8 | 15.2 2 | 15.7 2 | 14.9 2 | 13.4 2 | 13.2 2 | 14.7 2 | 13.5 2 | 14.1 2 | 10.3 2 | 10.3 2 | 11.8 2 | 13.0 2 | 14.9 2 | 14.4 2 | 15.7 2 | 16.7 2 | 15.4 2 | 10.8 2 | 13.7 2 | 17.4 2 | 15.2 2 | 13.7 2 | 14.2 2 | 13.7 2 | 24 | 17.4 |
| 9 | 16.1 2 | 21.8 2 | 21.8 2 | 15.4 2 | 22.3 2 | 19.9 2 | 21.1 2 | 22.1 2 | 21.6 2 | 23.8 2 | 18.6 2 | 19.4 2 | 18.4 2 | 18.4 2 | 17.6 2 | 19.4 2 | 17.2 2 | 18.4 2 | 17.2 2 | 19.9 2 | 21.1 2 | 22.8 2 | 19.6 2 | 22.1 2 | 24 | 23.8 |
| 10 | 18.1 2 | 18.9 2 | 23.3 2 | 27.8 2 | 21.3 2 | 23.3 2 | 20.8 2 | 22.8 2 | 18.9 2 | 18.1 2 | 17.4 2 | 19.3 2 | 15.2 2 | 20.3 2 | 23.3 2 | 23.3 2 | 20.1 2 | 20.6 2 | 17.4 2 | 21.6 2 | 19.6 2 | 13.4 2 | 16.2 2 | 16.1 2 | 24 | 27.8 |
| 11 | 18.4 2 | 19.6 2 | 24.1 2 | 24.1 2 | 21.8 2 | 28.0 2 | 24.3 2 | 25.8 2 | 24.8 2 | 23.6 2 | 15.9 2 | 17.9 2 | 18.4 2 | 19.9 2 | 23.5 2 | 17.9 2 | 22.8 2 | 26.3 2 | 20.3 2 | 24.8 2 | 23.5 2 | 25.8 2 | 25.3 2 | 30.5 2 | 24 | 30.5 |
| 12 | 24.0 2 | 28.5 2 | 29.2 2 | 26.0 2 | 30.5 2 | 25.8 2 | 23.1 2 | 22.1 2 | 18.6 2 | 22.3 2 | 22.8 2 | 21.3 2 | 22.3 2 | 16.2 2 | 21.3 2 | 20.9 2 | 19.6 2 | 22.8 2 | 24.6 2 | 12.0 2 | 13.3 2 | 14.9 2 | 13.4 2 | 13.3 2 | 24 | 30.5 |
| 13 | 13.7 2 | 14.4 2 | 14.7 2 | 18.1 2 | 14.9 2 | 11.8 2 | 17.4 2 | 11.8 2 | 13.9 2 | 18.6 2 | 11.5 2 | 16.1 2 | 6.6 2 | 7.1 2 | 9.8 2 | 7.9 2 | 10.3 2 | 9.1 2 | 12.3 2 | 12.8 2 | 13.0 2 | 10.6 2 | 15.9 2 | 14.4 2 | 24 | 18.6 |
| 14 | 16.9 2 | 11.5 2 | 13.4 2 | 13.0 2 | 10.1 2 | 12.5 2 | 13.2 2 | 11.1 2 | 11.8 2 | 9.6 2 | 5.9 2 | 3.5 2 | 8.9 2 | 10.3 2 | 10.1 2 | 6.6 2 | 9.8 2 | 11.1 2 | 9.4 2 | 15.9 2 | 10.3 2 | 9.6 2 | 13.4 2 | 10.8 2 | 24 | 16.9 |
| 15 | 11.3 2 | 10.8 2 | 10.1 2 | 13.2 2 | 10.1 2 | 10.1 2 | 11.1 2 | 11.3 2 | 8.9 2 | 8.1 2 | 9.1 2 | 10.1 2 | 7.1 2 | 9.6 2 | 7.6 2 | 7.3 2 | 5.9 2 | 12.1 2 | 7.1 2 | 16.4 2 | 11.6 2 | 12.1 2 | 10.1 2 | 13.5 2 | 24 | 16.4 |
| 16 | 10.6 2 | 10.6 2 | 9.8 2 | 11.1 2 | 18.4 2 | 14.4 2 | 14.2 2 | 13.9 2 | 10.1 2 | 7.1 2 | 12.5 2 | 9.6 2 | 5.7 2 | 5.9 2 | 7.1 2 | 10.3 2 | 10.3 2 | 9.3 2 | 8.6 2 | 11.1 2 | 13.9 2 | 14.9 2 | 18.9 2 | 17.2 2 | 24 | 18.9 |
| 17 | 14.4 2 | 12.0 2 | 13.9 2 | 18.4 2 | 14.7 2 | 11.8 2 | 16.4 2 | 15.2 2 | 14.2 2 | 11.8 2 | 12.8 2 | 12.8 2 | 9.1 2 | 10.3 2 | 15.4 2 | 12.0 2 | 13.4 2 | 10.8 2 | 12.5 2 | 13.2 2 | 14.9 2 | 13.9 2 | 11.5 2 | 13.4 2 | 24 | 18.4 |
| 18 | 10.6 2 | 9.6 2 | 8.3 2 | 9.6 2 | 7.6 2 | 5.4 2 | AX | AX | BA | BA | 5.9 | 7.1 | 7.9 | 8.3 | 10.3 | 12.0 | 9.8 | 7.6 | 10.8 | 11.8 | 11.3 | 9.3 | 9.8 | 8.1 | 20 | 12.0 |
| 19 | 8.1 | 6.4 | 7.6 | 9.6 | 12.5 | 10.3 | 14.2 | 13.2 | 12.3 | 12.5 | 12.0 | BA | BA | 16.4 | 14.2 | 9.8 | 13.7 | 11.6 | 8.6 | 8.6 | 9.3 | 18.1 | 14.2 | 13.2 | 22 | 18.1 |
| 20 | 8.9 | 10.6 | 9.1 | 11.3 | 13.0 | 10.1 | 9.8 | 10.1 | 11.5 | BC | BC | BC | BC | BA | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 9 | 13.0 |
| 21 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 22 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 23 | AN | AN | AN | AN | AN | AN | AN | AN | AN | BA | BA | 4.4 2 | 2.7 2 | 4.0 2 | 5.0 2 | 3.7 2 | 6.4 2 | 6.1 2 | 5.9 2 | 5.9 2 | 5.7 2 | 7.1 2 | 5.4 2 | 5.9 2 | 13 | 7.1 |
| 24 | 6.6 2 | 10.6 2 | 8.3 2 | 10.3 2 | 11.8 2 | 12.0 2 | 12.8 2 | 11.3 2 | 6.8 2 | 4.0 2 | 8.1 2 | 7.6 2 | 6.6 2 | 8.1 2 | 7.3 2 | 5.9 2 | 6.4 2 | 11.1 2 | 9.1 2 | 6.9 2 | 11.0 2 | 11.8 2 | 12.8 2 | 11.3 2 | 24 | 12.8 |
| 25 | 13.4 2 | 9.3 2 | 11.8 2 | 15.9 2 | 15.6 2 | 11.8 2 | 12.3 2 | 11.8 2 | 10.8 2 | 7.6 2 | 6.1 2 | 11.5 2 | 11.8 2 | 8.6 2 | 6.4 2 | 9.8 2 | 9.8 2 | 13.0 2 | 11.3 2 | 12.8 2 | 15.1 2 | 17.4 2 | 17.6 2 | 19.3 2 | 24 | 19.3 |
| 26 | 19.6 2 | 24.1 2 | 32.9 2 | 38.8 2 | 36.8 2 | 32.4 2 | 32.6 2 | 24.8 2 | 23.8 2 | 20.6 2 | 22.3 2 | 19.3 2 | 18.1 2 | 17.1 2 | 16.7 2 | 20.1 2 | 15.4 2 | 15.6 2 | 15.2 2 | 22.3 2 | 20.6 2 | 21.3 2 | 23.5 2 | 17.4 2 | 24 | 38.8 |
| 27 | 13.7 2 | 12.3 2 | 12.0 2 | 13.7 2 | 11.5 2 | 9.8 2 | 8.4 2 | 7.8 2 | 10.3 2 | 8.3 2 | 5.7 2 | 11.1 2 | 10.6 2 | 13.0 2 | 9.3 2 | 11.8 2 | 12.8 2 | 13.9 2 | 11.8 2 | 12.3 2 | 20.3 2 | 16.2 2 | 20.3 2 | 14.2 2 | 24 | 20.3 |
| 28 | 13.7 2 | 12.2 2 | 15.6 2 | 22.8 2 | 57.5 2 | 45.9 2 | 18.6 2 | 12.8 2 | 10.0 2 | 6.4 2 | 5.9 2 | 7.1 2 | 6.1 2 | 5.2 2 | 9.1 2 | 6.1 2 | 3.0 2 | 5.7 2 | 6.4 2 | 8.6 2 | 10.0 2 | 10.3 2 | 8.1 2 | 15.6 2 | 24 | 57.5 |
| 29 | 13.4 2 | 7.8 2 | 6.8 2 | 9.6 2 | 7.8 2 | 7.8 2 | 5.9 2 | 5.9 2 | 3.0 2 | -.6 2 | -.1 2 | 4.4 2 | 3.7 2 | .8 2 | 1.8 2 | .6 2 | 2.7 2 | 1.1 2 | 1.8 2 | 5.4 2 | 5.6 2 | 5.2 2 | 7.1 2 | 6.1 2 | 24 | 13.4 |
| 30 | 5.4 2 | 5.4 2 | 4.7 2 | 7.1 2 | 6.8 2 | 7.1 2 | 5.9 2 | 5.2 2 | 8.6 2 | 5.4 2 | 4.2 2 | 5.2 2 | 2.2 2 | 2.1 2 | 1.8 2 | -.4 2 | -.4 2 | -.4 2 | -1.6 2 | -.1 2 | 3.5 2 | 4.7 2 | 2.1 2 | 1.6 2 | 24 | 8.6 |
| 31 | 5.4 2 | 3.2 2 | .3 2 | 2.0 2 | 4.9 2 | 2.7 2 | 1.8 2 | .3 2 | 2.2 2 | 3.2 2 | 2.2 2 | 2.0 2 | 4.7 2 | 4.4 2 | 3.0 2 | 4.2 2 | 3.7 2 | 2.5 2 | 4.7 2 | 4.9 2 | 5.4 2 | 6.4 2 | 7.3 2 | 3.7 2 | 24 | 7.3 |
| NO.: | 27 | 27 | 27 | 27 | 27 | 27 | 26 | 26 | 25 | 24 | 26 | 26 | 26 | 27 | 27 | 26 | 26 | 26 | 26 | 27 | 27 | 27 | 27 | 27 | | |
| MAX: | 24.0 | 28.5 | 32.9 | 38.8 | 57.5 | 45.9 | 32.6 | 25.8 | 24.8 | 23.8 | 22.8 | 21.3 | 22.3 | 20.3 | 23.5 | 23.3 | 22.8 | 26.3 | 24.6 | 24.8 | 23.5 | 25.8 | 25.3 | 30.5 | | |
| AVG: | 12.33 | 11.70 | 12.35 | 14.31 | 15.46 | 13.79 | 13.22 | 12.18 | 11.87 | 11.04 | 9.80 | 10.12 | 9.78 | 9.87 | 10.33 | 10.06 | 10.53 | 10.65 | 10.31 | 11.73 | 12.56 | 13.07 | 12.53 | 12.29 | | |

MONTHLY OBSERVATIONS: 634 MONTHLY MEAN: 11.76 MONTHLY MAX: 57.5

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-063-0015 POC: 3
COUNTY: (063) Durham
CITY: (19000) Durham
SITE ADDRESS: 801 STADIUM DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (2280) DURHAM, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.0329550009
LONGITUDE: -78.904037
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 118
PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JUNE 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.8 2 | 6.5 2 | 3.4 2 | 8.0 2 | 6.1 2 | 3.9 2 | 8.8 2 | 6.6 2 | 2.0 2 | 2.9 2 | 4.7 2 | 1.5 2 | .1 2 | 2.9 2 | 2.2 2 | .8 2 | 3.9 2 | 3.9 2 | 3.2 2 | 3.9 2 | 5.1 2 | 4.4 2 | 3.4 2 | 1.8 2 | 24 | 8.8 |
| 2 | 2.4 2 | 4.4 2 | 4.9 2 | 5.2 2 | 4.4 2 | 8.5 2 | 6.5 2 | 7.0 2 | 4.6 2 | 2.0 2 | 3.4 2 | 6.3 2 | 5.1 2 | 5.4 2 | 4.1 2 | 6.5 2 | 7.3 2 | 9.3 2 | 9.8 2 | 8.8 2 | 6.1 2 | 9.0 2 | 7.8 2 | 7.0 2 | 24 | 9.8 |
| 3 | 6.1 2 | 7.0 2 | 8.5 2 | 8.5 2 | 8.3 2 | 9.5 2 | 9.7 2 | 9.5 2 | 9.3 2 | 9.8 2 | 8.3 2 | 9.0 2 | 9.5 2 | 10.5 2 | 12.7 2 | 11.7 2 | 15.1 2 | 15.8 2 | 14.4 2 | 8.3 2 | 7.8 2 | 10.3 2 | 10.5 2 | 6.8 2 | 24 | 15.8 |
| 4 | 4.4 2 | 5.6 2 | 8.3 2 | 8.2 2 | 10.5 2 | 10.8 2 | 9.8 2 | 12.7 2 | 16.6 2 | 19.5 2 | 17.6 2 | 16.6 2 | 11.5 2 | 13.0 2 | 13.2 2 | 12.2 2 | 16.1 2 | 17.1 2 | 19.6 2 | 16.6 2 | 14.3 2 | 16.6 2 | 13.2 2 | 8.8 2 | 24 | 19.6 |
| 5 | 5.1 2 | 5.8 2 | 4.9 2 | 3.4 2 | 9.3 2 | 9.8 2 | 9.3 2 | 9.8 2 | 11.7 2 | 8.8 2 | 7.3 2 | 10.5 2 | 8.3 2 | 11.5 2 | 9.5 2 | 10.0 2 | 8.8 2 | 7.3 2 | 7.1 2 | 6.3 2 | 5.9 2 | 6.3 2 | 9.3 2 | 5.8 2 | 24 | 11.7 |
| 6 | 3.2 2 | 3.7 2 | 5.1 2 | 6.3 2 | 8.3 2 | 7.3 2 | 7.8 2 | 10.5 2 | 12.0 2 | 7.8 2 | 9.8 2 | 12.2 2 | 13.0 2 | 10.3 2 | 10.5 2 | 10.0 2 | 13.9 2 | 10.0 2 | 10.5 2 | 7.3 2 | 5.1 2 | 5.4 2 | 8.3 2 | 10.5 2 | 24 | 13.9 |
| 7 | 18.6 2 | 6.1 2 | 7.3 2 | 14.6 2 | 9.8 2 | 6.3 2 | 8.0 2 | 7.0 2 | 7.3 2 | 12.0 2 | 12.2 2 | 8.8 2 | 8.8 2 | 11.5 2 | 10.7 2 | 9.3 2 | 7.8 2 | 6.8 2 | 8.8 2 | 10.5 2 | 13.9 2 | 12.2 2 | 17.3 2 | 12.2 2 | 24 | 18.6 |
| 8 | 12.7 2 | 12.2 2 | 16.3 2 | 14.3 2 | 11.0 2 | 13.4 2 | 12.9 2 | 10.2 2 | 11.5 2 | 10.0 2 | 7.8 2 | 10.5 2 | 9.8 2 | 8.0 2 | 7.0 2 | 11.5 2 | 11.0 2 | 12.5 2 | 10.5 2 | 9.3 2 | 9.0 2 | 8.5 2 | 16.3 2 | 12.9 2 | 24 | 16.3 |
| 9 | 12.4 2 | 10.0 2 | 12.5 2 | 11.2 2 | 10.0 2 | 10.5 2 | 12.5 2 | 9.0 2 | 7.5 2 | 9.5 2 | 7.8 2 | 8.0 2 | 8.0 2 | 7.8 2 | 7.8 2 | 8.5 2 | 8.3 2 | 10.5 2 | 9.5 2 | 14.1 2 | 14.1 2 | 16.3 2 | 14.3 2 | 18.3 2 | 24 | 18.3 |
| 10 | 16.1 2 | 13.2 2 | 17.6 2 | 15.3 2 | 14.1 2 | 15.3 2 | 14.1 2 | 13.4 2 | AX | BA | BA | 5.9 2 | 7.6 2 | 5.4 2 | 3.5 2 | 6.1 2 | 7.0 2 | 9.1 2 | 9.0 2 | 12.7 2 | 11.8 2 | 12.7 2 | 14.3 2 | 11.0 2 | 21 | 17.6 |
| 11 | 15.4 2 | 13.4 2 | 11.0 2 | 10.7 2 | 14.9 2 | 12.0 2 | 16.6 2 | 13.4 2 | 12.7 2 | 16.4 2 | 10.3 2 | 10.0 2 | 9.3 2 | 7.1 2 | 10.5 2 | 7.3 2 | 9.8 2 | 10.3 2 | 8.8 2 | 15.4 2 | 12.0 2 | 12.9 2 | 12.2 2 | 13.2 2 | 24 | 16.6 |
| 12 | 17.5 2 | 12.7 2 | 11.7 2 | 11.5 2 | 11.7 2 | 13.6 2 | 14.1 2 | 10.0 2 | 10.8 2 | 9.0 2 | 11.0 2 | 11.0 2 | 10.3 2 | 15.1 2 | 14.4 2 | 14.6 2 | 13.9 2 | 12.2 2 | 15.1 2 | 13.0 2 | 10.8 2 | 14.4 2 | 11.7 2 | 14.6 2 | 24 | 17.5 |
| 13 | 12.2 2 | 12.2 2 | 10.0 2 | 9.5 2 | 10.5 2 | 7.8 2 | 5.4 2 | 4.9 2 | 3.9 2 | 2.9 2 | 1.8 2 | 3.4 2 | 5.8 2 | 6.1 2 | 5.1 2 | 4.9 2 | 2.4 2 | 3.2 2 | 4.7 2 | 10.8 2 | 8.8 2 | 7.8 2 | 13.0 2 | 13.2 2 | 24 | 13.2 |
| 14 | 13.4 2 | 12.2 2 | 12.0 2 | 9.0 2 | 9.3 2 | 7.5 2 | 5.9 2 | 9.0 2 | 8.3 2 | 7.8 2 | AJ | AJ | 5.8 | 5.1 | 6.1 | 5.6 | 7.8 | 7.8 | 15.1 | 12.5 | 12.0 | 12.5 | 13.4 | 18.0 | 22 | 18.0 |
| 15 | 13.0 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AX | BA | BA | 15.1 | BA | BA | 15.1 | 17.8 | 11.3 | 20.8 | 14.1 | 8.0 | 2.5 | 6.1 | 3.9 | 2.7 | 12 | 20.8 |
| 16 | 4.9 | 3.7 | 4.4 | 6.1 | 3.7 | 7.3 | 6.4 | 8.8 | 6.8 | 3.2 | 3.4 | 4.7 | 7.8 | 4.7 | 3.5 | 2.7 | .8 | 2.0 | 4.4 | 4.9 | 5.4 | 6.3 | 8.0 | 9.8 | 24 | 9.8 |
| 17 | 6.1 | 3.9 | 1.5 | 4.2 | 7.3 | 4.9 | 3.0 | 4.2 | 3.9 | 7.3 | 7.8 | 5.9 | 5.6 | 2.7 | 2.3 | 2.7 | .8 | -1.3 | -3.2 | -.3 | 4.2 | 5.8 | 4.7 | 6.3 | 24 | 7.8 |
| 18 | 6.8 | 6.1 | 8.8 | 7.3 | 5.4 | 3.9 | 2.2 | 10.3 | 8.0 | 6.1 | 5.1 | 6.1 | 4.4 | 5.9 | 4.4 | 3.2 | 3.4 | 7.5 | 5.4 | 3.9 | 8.5 | 7.5 | 8.3 | 11.2 | 24 | 11.2 |
| 19 | 10.5 | 7.5 | 6.8 | 9.0 | 7.3 | 10.0 | 10.3 | 6.6 | 6.1 | 6.6 | 4.7 | 5.6 | 6.3 | 5.9 | 5.4 | 3.9 | 8.8 | 6.3 | 8.3 | 7.1 | 9.3 | 10.0 | 11.7 | 10.8 | 24 | 11.7 |
| 20 | 9.0 | 8.0 | 11.5 | 9.3 | 11.0 | 10.0 | 11.7 | 8.5 | 6.1 | 4.9 | 3.4 | 5.6 | 5.9 | 6.3 | 9.3 | 8.8 | 5.4 | 4.2 | 8.8 | 10.5 | 12.7 | 8.8 | 9.3 | 10.3 | 24 | 12.7 |
| 21 | 10.0 | 12.5 | 11.0 | 12.7 | 12.2 | 12.0 | 11.0 | 11.5 | 13.9 | 12.2 | 12.0 | 11.8 | 11.8 | 11.5 | 9.8 | 9.5 | 10.5 | 12.5 | 13.0 | 12.8 | 8.8 | 15.3 | 14.4 | 13.6 | 24 | 15.3 |
| 22 | 13.2 | 13.4 | 17.1 | 15.8 | 15.8 | 15.1 | 13.9 | 14.4 | 12.8 | 13.6 | 8.3 | 7.1 | 8.6 | 5.6 | 5.2 | 3.4 | 8.8 | 13.5 | 15.4 | 13.2 | 9.3 | 11.3 | 13.6 | 18.6 | 24 | 18.6 |
| 23 | .0 | 25.9 | 11.7 | 12.5 | 16.8 | 11.5 | 20.1 | 18.3 | 22.8 | 17.8 | 18.6 | 19.1 | 15.1 | 10.8 | 14.6 | 13.5 | 8.5 | 16.4 | 16.4 | 14.6 | 7.3 | 2.0 | 3.4 | 2.0 | 24 | 25.9 |
| 24 | -.1 | -1.1 | .6 | 2.9 | 3.2 | 1.8 | 2.9 | 2.9 | .3 | 3.2 | 7.0 | 5.6 | 10.5 | 8.8 | 5.5 6 | 5.7 6 | 5.9 6 | 7.4 6 | 15.8 | 10.0 | 10.0 | 11.7 | 12.2 | 9.7 | 24 | 15.8 |
| 25 | 8.0 | 7.5 | 8.3 | 7.0 | 7.1 | 5.6 | 8.0 | 10.3 | 6.8 | 6.1 | 5.6 | 3.6 6 | 7.6 6 | 6.4 6 | 6.2 6 | 12.5 | 12.5 | 8.0 | 5.6 | 7.0 | 6.8 | 8.8 | 5.4 | 4.9 | 24 | 12.5 |
| 26 | 9.3 | 24.8 | 9.3 | 9.0 | 13.6 | 8.0 | 7.6 | 7.0 6 | 6.0 6 | 4.8 6 | 3.0 6 | 5.2 6 | 4.2 6 | 5.4 6 | 4.7 6 | 6.6 6 | 7.6 6 | 7.3 6 | 6.8 | 8.8 | 9.7 | 8.3 | 11.2 | 11.0 | 24 | 24.8 |
| 27 | 9.5 | 7.0 | 6.3 | 7.5 | 13.8 | 9.0 | 10.0 | 12.2 | 9.5 | 12.2 | 8.8 | 8.4 6 | 10.1 6 | 13.3 6 | 11.8 6 | 10.6 6 | 7.9 6 | 12.4 6 | 12.7 | 17.3 | 15.8 | 11.9 | 15.3 | 17.3 | 24 | 17.3 |
| 28 | 16.8 | 15.6 | 13.4 | 14.1 | 16.6 | 15.3 | 8.8 | 12.7 | 7.0 | 3.2 | 3.2 | 7.8 | 4.9 | 4.1 | 4.6 | 2.4 | 4.9 | 4.2 | 5.1 | 3.9 | 2.9 | 7.3 | 4.4 | 3.2 | 24 | 16.8 |
| 29 | 7.0 | 7.5 | 6.3 | 10.2 | 10.7 | 10.3 | 12.0 | 15.8 | 10.5 | 8.3 | 8.5 | 9.5 | 10.5 | 8.0 | 10.0 | 10.3 | 11.7 | 8.0 | AN | 4.6 | 3.9 | 6.8 | 6.8 | 4.6 | 23 | 15.8 |
| 30 | 4.1 | 7.5 | 9.3 | 9.0 | 7.8 | 10.7 | 10.0 | 10.5 | 9.5 | BA | BA | 14.1 | 12.9 | 12.7 | 9.8 | 10.5 | 6.3 | 9.8 | 9.7 | 10.7 | 10.2 | 9.7 | 18.1 | 9.3 | 22 | 18.1 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 28 | 27 | 26 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 29 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 18.6 | 25.9 | 17.6 | 15.8 | 16.8 | 15.3 | 20.1 | 18.3 | 22.8 | 19.5 | 18.6 | 19.1 | 15.1 | 15.1 | 15.1 | 17.8 | 16.1 | 20.8 | 19.6 | 17.3 | 15.8 | 16.6 | 18.1 | 18.6 | | |
| AVG: | 9.15 | 9.48 | 8.96 | 9.39 | 10.02 | 9.37 | 9.63 | 9.90 | 8.86 | 8.44 | 7.75 | 8.58 | 8.24 | 7.99 | 7.98 | 8.10 | 8.27 | 9.16 | 9.81 | 9.55 | 8.80 | 9.56 | 10.52 | 9.98 | | |

MONTHLY OBSERVATIONS: 700 MONTHLY MEAN: 9.07 MONTHLY MAX: 25.9

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-063-0015 POC: 3
COUNTY: (063) Durham
CITY: (19000) Durham
SITE ADDRESS: 801 STADIUM DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (2280) DURHAM, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.0329550009
LONGITUDE: -78.904037
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 118
PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JULY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.3 | 10.0 | 10.0 | 8.8 | 9.5 | 12.2 | 10.5 | 9.8 | 13.7 | AX | AX | BA | BA | 14.9 | 8.8 | 8.3 | 9.5 | 7.3 | 4.7 | 6.8 | 10.0 | 8.8 | 8.8 | 5.6 | 20 | 14.9 |
| 2 | 8.5 | 7.0 | 7.0 | 4.9 | 3.2 | 6.3 | 6.8 | 4.9 | 4.9 | 6.6 | 6.8 | 11.0 | 9.3 | 5.1 | 3.9 | 7.5 | 8.0 | 10.8 | 7.8 | 7.5 | 6.1 | 2.9 | 2.0 | 2.2 | 24 | 11.0 |
| 3 | 4.7 | 4.4 | 5.6 | 24.3 | -2.5 | -2.7 | -1.3 | -.1 | .1 | 2.3 | 5.1 | 4.9 | 11.0 | 9.5 | 7.3 | 5.4 | 5.1 | 2.9 | 3.2 | 4.9 | 4.9 | 5.1 | 3.9 | 7.5 | 24 | 24.3 |
| 4 | 6.3 | 5.8 | 10.5 | 8.8 | 8.5 | 7.8 | 5.3 | 2.4 | 3.2 | 4.2 | 6.1 | 5.1 | 4.1 | 8.5 | 9.5 | 8.8 | 14.4 | 10.5 | 11.2 | 12.7 | 13.9 | 16.1 | 17.8 | 8.1 | 24 | 17.8 |
| 5 | 4.9 | 9.5 | 10.3 | 11.5 | 10.0 | 10.0 | 5.8 | 6.3 | 15.1 | 11.3 | 9.3 | 9.3 | 13.4 | 11.7 | 8.5 | 10.3 | 11.5 | 7.8 | 3.2 | 1.3 | 1.1 | 1.5 | 2.3 | 2.0 | 24 | 15.1 |
| 6 | 1.0 | .3 | .3 | 2.3 | 3.4 | 3.2 | 4.7 | 7.3 | 5.1 | 6.6 | 4.6 | 6.6 | 4.2 | 4.1 | 140.9 | -4.7 | -4.7 | -1.6 | -.8 | -.1 | .3 | 3.2 | 7.3 | 5.1 | 24 | 140.9 |
| 7 | 2.9 | 4.9 | 8.0 | 8.8 | 5.1 | 5.6 | 6.6 | 4.4 | 4.9 | 6.3 | 5.4 | 6.3 | 2.5 | 2.9 | 4.9 | 2.5 | .8 | 1.1 | AN | -4.7 | -4.7 | -3.2 | 1.5 | -.3 | 23 | 8.8 |
| 8 | -4.0 | -1.0 | 2.3 | 1.8 | 2.9 | 3.2 | .5 | -1.1 | 2.4 | 3.7 | 4.4 | 8.0 6 | 7.9 6 | 7.7 6 | 7.9 6 | 5.3 6 | 5.5 6 | 5.7 6 | 4.7 6 | 89.8 | -4.5 | -2.3 | 3.4 | 5.1 | 24 | 89.8 |
| 9 | 3.2 | 3.6 | 2.9 | 3.7 | 3.2 | 4.2 | 4.1 | 2.9 6 | 9.1 6 | 6.6 6 | 5.5 6 | 3.8 6 | 5.2 6 | 7.2 6 | 7.6 6 | 5.5 6 | 5.2 6 | 5.2 6 | 6.6 6 | 5.6 6 | 2.9 | 11.3 | 9.5 | 8.1 | 24 | 11.3 |
| 10 | 7.0 | 8.3 | 7.5 | 7.3 | 5.8 | 7.3 | 5.6 | 2.5 | 1.3 | 2.7 | 1.7 | 1.8 | 6.8 | 4.4 | 3.5 6 | 3.5 6 | 4.7 6 | 7.1 6 | 5.2 6 | 9.0 | 7.5 | 10.5 | 7.8 | 8.8 | 24 | 10.5 |
| 11 | 8.1 | 11.3 | 9.5 | 7.5 | 7.1 | 5.8 | 6.1 | 7.5 | 10.3 | 6.8 | 3.7 | 4.9 | 3.0 6 | 8.1 6 | 10.4 6 | 11.6 6 | 10.4 6 | 9.4 6 | 8.2 6 | 6.1 | 6.8 | 4.7 | 2.7 | 1.5 | 24 | 11.6 |
| 12 | 4.9 | 3.9 | 1.8 | 4.2 | 2.7 | 3.4 | 8.6 | 9.5 6 | 5.7 6 | 4.0 6 | 4.3 6 | 5.7 6 | 3.8 6 | 3.1 6 | 4.5 6 | 7.7 6 | 8.4 6 | 7.9 6 | 6.8 | 3.9 | 7.3 | 5.9 | 4.9 | 5.9 | 24 | 9.5 |
| 13 | 4.4 | 3.9 | 7.6 | 5.4 | 9.1 | 6.6 | 4.4 | 4.7 | 9.5 | 13.2 | 15.1 | 14.1 | 20.6 | 19.3 | 19.1 | 14.6 | 13.7 | 9.6 | 8.1 | 4.7 | 3.4 | 3.4 | 3.9 | 4.9 | 24 | 20.6 |
| 14 | 7.1 | 9.6 | 12.5 | 7.3 | 7.6 | 10.3 | 10.0 | 21.8 | 20.8 | 17.4 | 5.9 | 9.3 | 9.3 | 8.1 | 8.1 | 12.0 | 15.4 | 13.7 | 14.0 | 8.1 | 12.5 | 10.5 | 10.5 | 11.5 | 24 | 21.8 |
| 15 | 10.8 | 10.8 | 8.8 | 10.3 | 13.7 | 10.3 | 7.8 | AX | AX | BA | BA | 5.4 | 5.9 6 | 3.3 6 | 3.1 6 | 4.3 6 | 8.6 6 | 6.6 | 7.3 | 4.2 | 1.0 | 2.7 | 3.2 | 5.1 | 20 | 13.7 |
| 16 | 5.3 | 3.4 | .8 | -.3 | 1.7 | 1.5 | .8 | 1.0 | 3.9 | 2.9 | 2.2 | 4.6 | 2.9 | 6.3 | 5.1 | 1.0 | 2.5 | 7.0 | 5.4 | 4.1 | 4.1 | 2.3 | .6 | .8 | 24 | 7.0 |
| 17 | -.1 | .3 | .5 | .0 | -.3 | 1.0 | .8 | 2.9 | 6.3 | 6.1 | 8.5 | 7.5 | 8.0 | 6.3 | 5.9 6 | 4.0 6 | 4.0 6 | 9.6 6 | 9.0 6 | 7.3 | 6.3 | 9.8 | 10.5 | 14.3 | 24 | 14.3 |
| 18 | 7.3 | 2.3 | 5.8 | 3.2 | 3.4 | 6.8 | 7.5 | 4.9 | 6.5 | 5.1 | 5.3 | 4.1 | 5.1 | 3.9 | 2.5 | 2.5 | 2.8 | 2.8 | 4.6 | 3.7 | 3.9 | 5.3 | 5.1 | 4.1 | 24 | 7.5 |
| 19 | 4.1 | 2.5 | 4.4 | 7.5 | 7.5 | 6.3 | 2.5 | 6.3 | BA | BA | 5.4 | 10.0 | 9.3 | 11.7 | 8.8 | 7.0 | 7.3 | 6.3 | 5.1 | 4.4 | 6.0 | 5.8 | 3.4 | 2.5 | 22 | 11.7 |
| 20 | 4.4 | 3.9 | 5.4 | 5.6 | 5.1 | 5.6 | 7.0 | 3.9 | 7.5 | 8.5 | 6.1 | 6.3 | 6.1 | 5.8 | 9.0 | 8.8 | 9.0 | 10.7 | 9.7 | 8.5 | 11.0 | 9.5 | 13.2 | 10.5 | 24 | 13.2 |
| 21 | 10.2 | 10.7 | 9.5 | 9.0 | 10.0 | 15.1 | 12.2 | 11.5 | 11.2 | 9.0 | 9.0 | 9.0 | 10.5 | 11.5 | 11.2 | 12.2 | 9.0 | 8.5 | 10.5 | 15.1 | 10.2 | 16.6 | 14.6 | 13.8 | 24 | 16.6 |
| 22 | 19.0 | 8.3 | 10.7 | 14.6 | 10.7 | 12.5 | 17.6 | 12.7 | 12.2 | 8.8 | 4.9 | 10.7 | 8.3 | 7.0 | 5.6 | 5.8 | 7.3 | 6.8 | 4.9 | 4.1 | 4.4 | 4.1 | 3.4 | 5.8 | 24 | 19.0 |
| 23 | 5.4 | 7.3 | 8.5 | 5.6 | 5.8 | 7.0 | 3.9 | 6.3 | 16.3 | 10.7 | 10.0 | 8.0 | 8.8 | 9.5 | 10.0 | 10.2 | 9.0 | 9.7 | 8.8 | 12.0 | 11.2 | 10.5 | 9.7 | 11.5 | 24 | 16.3 |
| 24 | 9.3 | 9.5 | 9.7 | 6.0 | 9.0 | 10.5 | 8.3 | 8.3 | 7.3 | 8.8 | 9.3 | 9.3 | 7.1 | 6.5 | 6.1 | 9.5 | 6.6 | 4.4 | 7.0 | 7.0 | 9.3 | 10.7 | 13.0 | 8.8 | 24 | 13.0 |
| 25 | 11.5 | 11.2 | 8.3 | 12.2 | 12.2 | 10.0 | 6.8 | 12.5 | 12.7 | 12.0 | 9.5 | 7.0 | 11.5 | 10.2 | 10.7 | 8.0 | 6.8 | 9.5 | 7.8 | 12.5 | 9.5 | 17.6 | 11.4 | 12.9 | 24 | 17.6 |
| 26 | 9.7 | 6.3 | 5.3 | 8.8 | 5.1 | 4.4 | 7.3 | 7.5 | 12.5 | 15.8 | 5.4 | 15.3 | 7.5 | 8.8 | 7.0 | 9.8 | 11.7 | 7.5 | 6.3 | 7.0 | 5.6 | 5.6 | 4.9 | 3.9 | 24 | 15.8 |
| 27 | 2.2 | 1.0 | 3.6 | 4.1 | 5.6 | 8.3 | 6.6 | 3.9 | 4.1 | 6.8 | 6.3 | 4.9 | 6.3 | 9.3 | 8.8 | 9.7 | 8.8 | 6.5 | 3.7 | 5.4 | 4.8 | 2.5 | 4.1 | 5.3 | 24 | 9.7 |
| 28 | 4.1 | 2.2 | -1.1 | .5 | 3.4 | 5.8 | 4.9 | 7.0 | 8.3 | 8.3 | 5.6 | 3.2 | 3.4 | 4.1 | 4.1 | 4.1 | 3.4 | 9.7 | 11.2 | 9.7 | 10.7 | 12.4 | 10.0 | 6.5 | 24 | 12.4 |
| 29 | 6.0 | 5.1 | 3.9 | 10.2 | 7.5 | 6.5 | 8.0 | 8.5 | 4.9 | 1.5 | .5 | 4.4 | 3.1 | .5 | 1.8 | 2.9 | 9.3 | 6.8 | 6.3 | 6.3 | 7.3 | 7.0 | 7.5 | 11.7 | 24 | 11.7 |
| 30 | 8.5 | 5.6 | 7.5 | 7.8 | 5.8 | 4.9 | 4.1 | 11.2 | 10.2 | 9.5 | 10.0 | 12.0 | 10.3 | 5.8 | 8.0 | 6.5 | 10.7 | 10.7 | 11.5 | 9.3 | 8.7 | 5.1 | 3.6 | 2.9 | 24 | 12.0 |
| 31 | 1.3 | 4.9 | 8.5 | 6.5 | 7.5 | 5.8 | 8.0 | 8.8 | 6.3 | 10.2 | 8.8 | 6.3 | 3.4 | 1.7 | 1.5 | 5.6 | 9.5 | 6.3 | 4.6 | 4.9 | 5.1 | -.9 | -4.7 | -.6 | 24 | 10.2 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 28 | 29 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 19.0 | 11.3 | 12.5 | 24.3 | 13.7 | 15.1 | 17.6 | 21.8 | 20.8 | 17.4 | 15.1 | 15.3 | 20.6 | 19.3 | 140.9 | 14.6 | 15.4 | 13.7 | 14.0 | 89.8 | 13.9 | 17.6 | 17.8 | 14.3 | | |
| AVG: | 6.04 | 5.70 | 6.32 | 7.04 | 6.11 | 6.63 | 6.19 | 6.67 | 8.15 | 7.70 | 6.37 | 7.29 | 7.29 | 7.32 | 11.42 | 6.78 | 7.55 | 7.32 | 6.89 | 9.07 | 6.02 | 6.61 | 6.45 | 6.32 | | |

MONTHLY OBSERVATIONS: 733 MONTHLY MEAN: 7.05 MONTHLY MAX: 140.9

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-063-0015 POC: 3
COUNTY: (063) Durham
CITY: (19000) Durham
SITE ADDRESS: 801 STADIUM DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (2280) DURHAM, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.0329550009
LONGITUDE: -78.904037
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 118
PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: AUGUST 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

HOUR

| 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.2 | 3.7 | 3.2 | 4.4 | 2.7 | 1.3 | 3.0 | 6.6 | 3.9 | 6.1 | 6.8 | 5.4 | 9.6 | 7.3 | 9.1 | 6.4 | 8.1 | 6.8 | 3.9 | 3.7 | 3.0 | 6.3 | 9.8 | 7.3 | 24 | 9.8 |
| 2 | 7.3 | 10.0 | 8.5 | 7.3 | 7.1 | 7.8 | 6.8 | AX | AX | BA | BA | 9.3 | 6.4 | 4.0 | 2.8 | 2.7 | 4.0 | 4.7 | 2.8 | 3.7 | 5.2 | 6.2 | 5.0 | 3.0 | 20 | 10.0 |
| 3 | 7.9 | 8.1 | 4.2 | 3.2 | 1.8 | 2.8 | 6.2 | 7.1 | 4.0 | 5.2 | 8.6 | 8.6 | 8.6 | 8.6 | 5.4 | 1.1 | 6.6 | 6.9 | 3.5 | 5.7 | 5.0 | 5.0 | 3.2 | 2.7 | 24 | 8.6 |
| 4 | 4.2 | 3.0 | 1.6 | 3.7 | 3.2 | 6.4 | 6.9 | 3.0 6 | 3.8 6 | 3.5 6 | 1.1 | 3.5 | 3.7 | 4.0 | 3.7 | 5.0 | 3.7 | 2.1 | 1.4 | -1.6 | -2.8 | -.4 | 1.4 | -.8 | 24 | 6.9 |
| 5 | -2.8 | -1.3 | -.8 | -.8 | .9 | 3.0 | 1.8 | BA | BA | BA | BA | 1.1 | -1.5 | -2.5 | 2.4 | 1.4 | 2.8 | 2.6 | -.1 | 1.1 | -1.8 | -.1 | 2.5 | 2.1 | 20 | 3.0 |
| 6 | 2.1 | 5.9 | 3.1 | -.1 | 5.7 | 4.5 | 5.2 | 7.6 | 9.9 | 14.2 | 8.6 | 7.6 | 8.1 | 10.6 | 10.4 | 10.9 | 10.9 6 | 8.2 6 | 6.2 6 | 8.9 | 8.6 | 7.6 | 7.1 | 7.9 | 24 | 14.2 |
| 7 | 5.2 | 3.5 | 4.0 | 2.8 | 1.1 | 4.0 | 5.9 | 3.5 | 3.3 6 | 3.1 6 | 1.2 6 | -.3 6 | 1.7 6 | 2.9 6 | 7.2 6 | 5.1 6 | 3.1 6 | 4.8 6 | 8.0 6 | 10.8 | 12.5 | 8.9 | 5.4 | 4.2 | 24 | 12.5 |
| 8 | 8.6 | 5.9 | 6.6 | 7.1 | 5.9 | 5.2 | 8.1 | 5.2 | 6.3 6 | 8.0 6 | 9.7 6 | 8.0 6 | 7.0 6 | 8.7 6 | 9.2 6 | 9.9 6 | 12.1 6 | 12.2 6 | 10.4 6 | 7.4 | 3.0 | .6 | .9 | -1.3 | 24 | 12.2 |
| 9 | 1.4 | 1.6 | -.8 | 1.3 | 1.9 | 2.3 | 3.7 | 3.8 6 | 1.2 6 | 4.8 6 | 5.3 6 | 5.3 6 | 8.2 6 | 6.7 6 | 7.5 6 | 6.0 6 | 5.8 6 | 5.1 6 | 7.8 6 | 5.7 | 3.5 | 5.7 | 4.7 | 1.4 | 24 | 8.2 |
| 10 | .4 | 4.2 | 6.4 | 6.9 | 6.9 | 3.8 | 2.8 | 2.3 6 | 1.7 6 | 4.1 6 | 7.2 6 | 6.0 6 | 5.1 6 | 7.0 6 | 7.5 6 | 10.5 6 | 7.5 6 | 10.7 6 | 8.9 6 | 6.4 | 5.0 | 8.4 | 12.3 | 7.9 | 24 | 12.3 |
| 11 | 5.9 | 5.0 | 5.9 | 6.4 | 4.7 | 5.2 | 4.7 | BA | BA | BA | BA | BA | BA | BA | BJ | BJ | BJ | BJ | BJ | BJ | BJ | BJ | BJ | BJ | 7 | 6.4 |
| 12 | BJ | BJ | BJ | BJ | BJ | BJ | BJ | BJ | BA | 13.5 6 | 14.5 6 | 13.9 6 | 7.2 6 | 1.7 6 | -.7 6 | -1.7 6 | 2.0 6 | 3.4 6 | 3.1 6 | 2.3 | 1.4 | -1.1 | .9 | 1.4 | 15 | 14.5 |
| 13 | .9 | 1.9 | .9 | .4 | .4 | 2.1 | 3.0 | 1.8 | 2.6 6 | 3.6 6 | 6.0 6 | 8.5 6 | 6.0 6 | 7.7 6 | 7.2 6 | 9.2 6 | 5.1 6 | 6.0 6 | 10.4 6 | 10.8 6 | 7.1 | 5.9 | 11.1 | 8.6 | 24 | 11.1 |
| 14 | 5.9 | 8.3 | 4.7 | 1.4 | 5.7 | 5.0 | 3.0 | 5.4 6 | 3.8 6 | 3.6 6 | 4.1 6 | 4.6 6 | 5.8 6 | 3.6 6 | 3.2 6 | 5.1 6 | 6.5 6 | 5.8 6 | 4.8 6 | 3.7 | 3.7 | 3.5 | 4.2 | 5.0 | 24 | 8.3 |
| 15 | 3.5 | 4.2 | 6.6 | 5.7 | 4.0 | 8.9 | 6.2 | 6.2 | 10.8 | AZ | AZ | AZ | BA | BA | BA | 6.1 | 7.1 | 5.2 | 4.9 | 11.7 | 12.0 | 13.2 | 11.7 | 8.3 | 18 | 13.2 |
| 16 | 6.1 | 5.8 | 5.4 | 2.3 | 1.3 | 3.9 | 4.1 | 3.2 | -1.9 | -1.4 | 2.7 | 3.4 | 4.4 | 3.7 | 1.0 | 1.0 | 3.4 | 4.4 | 5.6 | 8.0 | 11.0 | 5.9 | 4.2 | 4.4 | 24 | 11.0 |
| 17 | 6.1 | 3.9 | 2.5 | 1.5 | .5 | 1.0 | 2.0 | 2.5 | 2.0 | 2.2 | 2.3 | 4.2 | 3.4 | 6.1 | 5.8 | 5.4 | 5.1 | 7.0 | 7.1 | 6.1 | 3.9 | 2.5 | 3.9 | 2.9 | 24 | 7.1 |
| 18 | 3.6 | 3.6 | 6.5 | 6.8 | 7.3 | 7.5 | 7.8 | 7.5 | 5.4 | 5.1 | 2.5 | 1.5 | 1.5 | 2.0 | 1.8 | 3.6 | 5.6 | 4.2 | 2.8 | 3.7 | 4.1 | 7.0 | 6.8 | 6.1 | 24 | 7.8 |
| 19 | 3.9 | 4.9 | 3.7 | 5.8 | 5.3 | 4.4 | 5.6 | 4.1 | 3.1 | 5.8 | 5.3 | 6.7 | 6.4 | 5.4 | 3.7 | 5.2 | 7.4 | 6.7 | 7.0 | 5.7 | 5.4 | 3.5 | 4.4 | 5.9 | 24 | 7.4 |
| 20 | 7.6 | 8.8 | 6.4 | 6.7 | 7.6 | 6.0 | 7.9 | 7.4 | 7.2 | 8.4 | 15.0 | 13.3 | 10.8 | 8.4 | 9.6 | 7.9 | 4.3 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 17 | 15.0 |
| 21 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 22 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AX | AX | BA | BA | 2.6 | 3.1 | 3.4 | 1.4 | 1.8 | 1.2 | 4.3 | 6.5 | 4.6 | 4.8 | 5.7 | 6.7 | 12 | 6.7 |
| 23 | 6.5 | 6.5 | 3.1 | 4.1 | 7.7 | 7.3 | 3.4 | 7.7 | 7.4 | 6.4 | 5.8 | 46.2 | 4.9 | 2.0 | 3.1 | 5.1 | 4.6 | 7.7 | 5.7 | 9.8 | 9.0 | 11.5 | 8.9 | 6.9 | 24 | 46.2 |
| 24 | 5.0 | 9.7 | 6.8 | 5.1 | 7.0 | 7.5 | 5.8 | 6.7 | 6.2 | 5.1 | 8.9 | 9.2 | 5.8 | 7.0 | 6.2 | 8.0 | 5.3 | 4.5 | 11.1 | 10.6 | 8.0 | 8.0 | 9.2 | 14.4 | 24 | 14.4 |
| 25 | 9.3 | 8.4 | 8.7 | 10.5 | 6.5 | 8.0 | 12.6 | 11.5 | 9.9 | 8.9 | 11.0 | 8.5 | 11.7 | 9.5 | 12.0 | 15.8 | 13.9 | 9.2 | 9.3 | 9.3 | 11.7 | 13.3 | 14.2 | 11.7 | 24 | 15.8 |
| 26 | 15.3 | 7.5 | 8.9 | 14.5 | 12.4 | 15.5 | 10.7 | 12.2 | 13.2 | 8.3 | 9.3 | 9.1 | 11.3 | 18.8 | 6.8 | 8.1 | 6.6 | 11.5 | 12.5 | 10.0 | 11.3 | 10.8 | 10.0 | 13.0 | 24 | 18.8 |
| 27 | 16.8 | 14.3 | 17.8 | 13.9 | 16.9 | 14.1 | 16.4 | 21.5 | 10.8 | 11.7 | 14.4 | 13.7 | 15.1 | 15.4 | 15.6 | 14.6 | 10.0 | 9.0 | 9.8 | 10.8 | 15.4 | 12.2 | 13.2 | 11.0 | 24 | 21.5 |
| 28 | 12.7 | 15.3 | 14.6 | 9.5 | 12.2 | 10.2 | 6.5 | 9.5 | 7.8 | 8.5 | 7.5 | 7.6 | 7.0 | 17.1 | 11.2 | 12.0 | 8.8 | 9.8 | 10.3 | 10.0 | 11.3 | 12.2 | 8.3 | 7.1 | 24 | 17.1 |
| 29 | 11.0 | 9.5 | 7.3 | 4.4 | 4.4 | 8.3 | 7.8 | 10.5 | 10.0 | 8.5 | 4.7 | 3.0 | 6.1 | 4.2 | 7.1 | 5.4 | 5.4 | 6.8 | 4.9 | 11.5 | 10.8 | 12.0 | 9.5 | 7.5 | 24 | 12.0 |
| 30 | 7.3 | 13.0 | 9.6 | 8.5 | 7.2 | 8.7 | 8.3 | 9.8 | BA | BA | BA | 7.3 | 8.9 | 9.1 | 7.6 | 5.7 | 8.3 | 6.4 | 12.5 | 12.6 | 12.8 | 12.3 | 10.1 | 13.0 | 21 | 13.0 |
| 31 | 9.6 | 12.0 | 10.6 | 10.8 | 12.6 | 8.4 | 13.0 | 12.1 | 8.3 | 10.1 | 10.1 | 14.7 | 12.5 | 13.7 | 17.6 | 13.0 | 13.5 | 12.0 | 8.6 | 10.8 | 10.3 | 11.8 | 8.1 | 6.1 | 24 | 17.6 |
| NO.: | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 25 | 24 | 24 | 24 | 27 | 28 | 28 | 28 | 29 | 29 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | | |
| MAX: | 16.8 | 15.3 | 17.8 | 14.5 | 16.9 | 15.5 | 16.4 | 21.5 | 13.2 | 14.2 | 15.0 | 46.2 | 15.1 | 18.8 | 17.6 | 15.8 | 13.9 | 12.2 | 12.5 | 12.6 | 15.4 | 13.3 | 14.2 | 14.4 | | |
| AVG: | 6.23 | 6.69 | 5.93 | 5.50 | 5.75 | 6.18 | 6.40 | 7.15 | 5.86 | 6.55 | 7.19 | 8.51 | 6.73 | 6.99 | 6.69 | 6.55 | 6.53 | 6.60 | 6.70 | 7.35 | 6.96 | 7.05 | 7.03 | 6.23 | | |

MONTHLY OBSERVATIONS: 658 MONTHLY MEAN: 6.64 MONTHLY MAX: 46.2

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-063-0015 POC: 3
COUNTY: (063) Durham
CITY: (19000) Durham
SITE ADDRESS: 801 STADIUM DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (2280) DURHAM, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.0329550009
LONGITUDE: -78.904037
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 118
PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: SEPTEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.2 | 4.4 | 5.9 | 6.8 | 3.7 | 3.2 | AX | AX | AX | BA | BA | BA | 9.8 | 5.0 | 5.0 | 4.4 | 7.6 | 6.1 | 20.8 | 13.7 | 8.8 | 12.8 | 8.1 | 8.3 | 18 | 20.8 |
| 2 | 4.9 | 11.5 | 10.8 | 11.0 | 6.6 | 4.7 | 7.3 | 11.0 | 11.5 | 7.1 | 6.6 | 10.0 | 6.8 | 3.9 | 3.2 | 1.0 | .2 | 1.5 | -.7 | .7 | 3.9 | 3.6 | 2.4 | 2.4 | 24 | 11.5 |
| 3 | 2.2 | 1.5 | 3.8 | 3.2 | 3.5 | 3.3 | 1.2 | 1.3 | 3.0 | 2.3 | 1.1 | 3.5 | 5.0 | 5.0 | 3.0 | 5.4 | 5.9 | 7.8 | 5.6 | 4.1 | 4.6 | 3.7 | 5.0 | 5.1 | 24 | 7.8 |
| 4 | 2.1 | 4.7 | 4.0 | 3.0 | 4.0 | 5.0 | 7.2 | 5.6 | 4.9 | 4.5 | 3.7 | 5.2 | 3.0 | 1.6 | 3.5 | 3.0 | 3.2 | 2.3 | 5.0 | 3.5 | 3.3 | 5.8 | 7.9 | 15.4 | 24 | 15.4 |
| 5 | 5.9 | 5.7 | 6.6 | 4.7 | 12.3 | 6.9 | 6.0 | 6.8 | 6.3 | 5.2 | 3.5 | 2.1 | 3.5 | 3.5 | 3.5 | 7.3 | 7.3 | 6.6 | 9.6 | 12.8 | 13.0 | 12.1 | 8.5 | 6.4 | 24 | 13.0 |
| 6 | 6.9 | 6.1 | 7.2 | 8.3 | 8.1 | 5.0 | 5.4 | 8.1 | 4.5 | 5.0 | 4.2 | 1.6 | 2.3 | 4.5 | 3.3 | 2.3 | 5.0 | 4.0 | 5.4 | 7.4 | 6.6 | 6.6 | 11.0 | 8.6 | 24 | 11.0 |
| 7 | 10.3 | 10.3 | 8.1 | 14.6 | 9.1 | 8.0 | 11.5 | AX | AX | AX | BA | BA | 10.3 | 6.6 | 3.9 | 3.7 | 5.4 | 9.5 | 7.3 | 11.3 | 10.5 | 12.3 | 10.3 | 7.5 | 19 | 14.6 |
| 8 | 11.7 | 13.9 | 11.0 | 7.6 | 7.3 | 10.3 | 11.7 | 11.3 | 8.0 | 7.6 | 6.6 | 7.0 | 3.9 | 5.6 | 10.5 | 7.8 | 9.1 | 7.6 | 11.5 | 12.2 | 17.6 | 13.2 | 12.5 | 13.7 | 24 | 17.6 |
| 9 | 12.5 | 13.7 | 10.8 | 13.7 | 15.3 | 14.4 | 17.6 | 18.8 | 19.3 | 18.3 | 15.9 | 16.4 | 15.8 | 13.5 | 14.0 | 8.8 | 11.5 | 15.4 | 13.0 | 21.8 | 18.1 | 18.8 | 18.1 | 14.8 | 24 | 21.8 |
| 10 | 16.1 | 15.1 | 15.6 | 13.0 | 11.0 | 14.3 | 15.8 | 13.4 | 14.1 | 15.3 | 14.8 | 13.9 | 12.7 | 13.7 | 16.3 | 16.4 | 17.6 | 20.0 | 19.8 | 20.8 | 16.8 | 16.4 | 16.1 | 14.4 | 24 | 20.8 |
| 11 | 16.6 | 17.8 | 16.6 | 20.5 | 15.6 | 17.6 | 15.3 | 16.3 | 16.6 | 7.8 | 4.2 | 1.0 | 4.6 | 3.2 | .1 | -.2 | .6 | 3.7 | 4.1 | 6.8 | 7.5 | 10.5 | 7.3 | 6.5 | 24 | 20.5 |
| 12 | 6.8 | 4.6 | 7.3 | 11.2 | 12.0 | 7.3 | 6.1 | 5.6 | 4.6 | 1.8 | 3.4 | 7.1 | 6.8 | 8.0 | 4.4 | 2.9 | 4.2 | 5.4 | 4.9 | 4.2 | 5.6 | 8.1 | 5.9 | 9.1 | 24 | 12.0 |
| 13 | 8.3 | 6.8 | 5.8 | 7.5 | 8.6 | 5.9 | 7.1 | 7.3 | 5.9 | 4.4 | 8.8 | 6.3 | 6.6 | 7.8 | 7.6 | 5.6 | 7.6 | 6.3 | 9.6 | 8.3 | 8.6 | 9.8 | 7.3 | 6.3 | 24 | 9.8 |
| 14 | 10.3 | 8.5 | 6.1 | 9.0 | 8.2 | 6.7 | 4.7 | 10.5 | 7.6 | 5.9 | 5.4 | 3.7 | 6.6 | 8.3 | 9.8 | 8.0 | 7.8 | 9.5 | 7.8 | 6.6 | 12.0 | 11.5 | 11.0 | 9.5 | 24 | 12.0 |
| 15 | 11.8 | 7.8 | 6.6 | 8.3 | 6.6 | 7.6 | 12.2 | 10.0 | 11.3 | 11.5 | 9.8 | 13.9 | 9.1 | 8.6 | 13.0 | 12.7 | 17.6 | 15.6 | 13.9 | 12.0 | 18.8 | 10.8 | 9.3 | 7.3 | 24 | 18.8 |
| 16 | 4.7 | 6.8 | 8.8 | 11.5 | 8.0 | 8.3 | 7.8 | 6.3 | 5.6 | 5.4 | 9.3 | 9.5 | 8.0 | 8.3 | 4.7 | 11.5 | 11.2 | 10.5 | 11.3 | 8.8 | 6.6 | 5.1 | 5.1 | 4.2 | 24 | 11.5 |
| 17 | 4.2 | 2.0 | 3.9 | 4.3 | 2.6 | 4.5 | 4.2 | 1.8 | 2.3 | 5.6 | 4.2 | 8.8 | 6.1 | 5.6 | 2.7 | .1 | 1.8 | 3.4 | 3.4 | 2.7 | 9.8 | 6.6 | 4.2 | 6.1 | 24 | 9.8 |
| 18 | 6.1 | 4.9 | 5.4 | 4.9 | 5.8 | 8.3 | 10.3 | 6.1 | 3.2 | 1.0 | .8 | 2.5 | 2.7 | 1.8 | 2.7 | 4.2 | 4.2 | 3.2 | 3.2 | 3.9 | 1.0 | -1.9 | -1.2 | -1.2 | 24 | 10.3 |
| 19 | .5 | -2.9 | -4.8 | -2.4 | 1.5 | 6.8 | 3.9 | -3.1 | -4.8 | -2.6 | 1.1 | .5 | -.7 | -.4 | 1.8 | 1.0 | -.9 | 2.0 | 2.3 | .3 | -.2 | -.2 | -.4 | 1.8 | 24 | 6.8 |
| 20 | 1.5 | -1.7 | -.7 | 1.5 | 1.1 | -.7 | 1.3 | 3.9 | 4.4 | 3.9 | 1.5 | 1.0 | 4.1 | 5.8 | 3.6 | 2.4 | 6.1 | 3.9 | 2.9 | 2.9 | 6.8 | 4.6 | 2.9 | 3.4 | 24 | 6.8 |
| 21 | 2.2 | 1.0 | 3.4 | 2.4 | -.7 | -2.6 | -2.9 | -1.7 | -1.2 | .3 | 1.0 | -.4 | -2.4 | -1.2 | -.4 | -2.1 | -1.7 | -1.7 | -3.6 | -4.1 | .1 | .8 | 1.3 | 1.8 | 24 | 3.4 |
| 22 | 1.3 | .8 | 1.0 | 2.4 | .1 | -1.6 | -1.4 | -.4 | 2.0 | AX | AX | BA | BA | 1.3 | -.4 | 2.3 | 4.7 | 2.3 | -1.9 | -.4 | 1.3 | -.9 | .1 | 1.6 | 20 | 4.7 |
| 23 | 3.9 | 2.3 | 1.6 | 3.0 | 4.2 | 3.0 | 4.9 | 5.2 | 4.2 | 1.8 | 3.9 | 3.7 | 1.1 | .6 | -1.3 | -2.4 | .6 | 3.9 | 3.7 | 3.5 | 6.8 | 4.9 | 2.0 | 4.4 | 24 | 6.8 |
| 24 | 5.2 | 5.9 | 3.4 | 2.6 | 4.6 | 8.6 | 8.3 | 7.8 | 6.1 | 3.7 | 1.8 | 9.6 | 7.8 | 5.2 | 5.4 | 6.6 | 7.6 | 9.3 | 12.5 | 9.1 | 9.8 | 12.3 | 10.8 | 10.5 | 24 | 12.5 |
| 25 | 13.9 | 12.0 | 13.5 | 15.1 | 13.2 | 8.6 | 10.0 | 4.9 | 7.8 | 8.3 | 4.9 | 6.1 | 8.3 | 7.3 | 7.8 | 6.8 | 7.3 | 6.3 | 5.4 | 6.8 | 6.4 | 6.8 | 9.5 | 5.6 | 24 | 15.1 |
| 26 | 3.4 | 1.1 | -1.1 | 3.2 | 5.2 | 3.4 | 3.7 | 4.9 | 3.4 | 4.4 | 6.6 | 7.6 | 6.3 | 6.1 | 13.0 | 9.6 | 12.0 | 12.7 | 14.1 | 17.8 | 14.1 | 11.7 | 12.3 | 7.6 | 24 | 17.8 |
| 27 | 5.2 | 2.4 | 3.7 | 2.9 | .8 | 3.9 | 5.1 | 4.4 | 3.7 | 4.9 | 4.2 | 5.6 | 4.4 | 3.2 | 5.2 | 7.1 | 7.3 | 11.5 | 9.8 | 10.5 | 13.5 | 11.3 | 9.8 | 11.0 | 24 | 13.5 |
| 28 | 7.6 | 4.2 | 3.7 | 4.2 | 5.4 | 7.8 | 9.3 | 9.5 | 7.3 | 7.8 | 9.8 | 7.3 | 13.0 | 8.1 | 5.6 | 5.9 | 4.2 | 5.9 | 5.9 | 6.6 | 6.1 | 2.3 | -2.4 | -2.4 | 24 | 13.0 |
| 29 | .3 | .1 | .8 | 2.3 | .3 | -.5 | 2.7 | 4.6 | 3.4 | 4.2 | 4.9 | 2.7 | 3.2 | 7.8 | 6.6 | 4.2 | 2.7 | 2.0 | .6 | .3 | 3.7 | 3.0 | 1.3 | 1.3 | 24 | 7.8 |
| 30 | 2.0 | 5.9 | 5.4 | 6.1 | 4.4 | 4.4 | 5.1 | 4.7 | 10.5 | 9.3 | 5.9 | 4.7 | 4.2 | 5.6 | 6.8 | 5.4 | 5.2 | 6.6 | 4.9 | 5.4 | 11.8 | 6.3 | 5.2 | 5.4 | 24 | 11.8 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 28 | 27 | 27 | 27 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 16.6 | 17.8 | 16.6 | 20.5 | 15.6 | 17.6 | 17.6 | 18.8 | 19.3 | 18.3 | 15.9 | 16.4 | 15.8 | 13.7 | 16.3 | 16.4 | 17.6 | 20.0 | 20.8 | 21.8 | 18.8 | 18.8 | 18.1 | 15.4 | | |
| AVG: | 6.45 | 5.91 | 5.81 | 6.88 | 6.28 | 6.08 | 6.94 | 6.60 | 6.27 | 5.73 | 5.48 | 5.96 | 5.96 | 5.46 | 5.50 | 5.06 | 6.10 | 6.77 | 7.07 | 7.34 | 8.44 | 7.62 | 6.71 | 6.55 | | |

MONTHLY OBSERVATIONS: 705 MONTHLY MEAN: 6.38 MONTHLY MAX: 21.8

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-063-0015 POC: 3
COUNTY: (063) Durham
CITY: (19000) Durham
SITE ADDRESS: 801 STADIUM DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (2280) DURHAM, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.0329550009
LONGITUDE: -78.904037
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 118
PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: OCTOBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.6 | 6.3 | 4.9 | 8.6 | 10.3 | 8.3 | 10.0 | 10.8 | 11.5 | 8.3 | 6.3 | 5.2 | 6.8 | 6.8 | 6.1 | 3.9 | 5.9 | 6.6 | 11.3 | 12.0 | 13.9 | 14.8 | 17.1 | 14.4 | 24 | 17.1 |
| 2 | 10.5 | 8.3 | 9.5 | 9.3 | 8.5 | 5.6 | 6.8 | 6.5 | 14.1 | 9.8 | 17.4 | 10.8 | 7.8 | 8.3 | 9.1 | 7.1 | 7.3 | 5.4 | 10.1 | 14.4 | 10.1 | 14.3 | 14.6 | 13.0 | 24 | 17.4 |
| 3 | 9.7 | 10.7 | 11.2 | 15.8 | 10.9 | 15.3 | 13.0 | 12.3 | 8.4 | 5.6 | 4.4 | 1.8 | .8 | 1.8 | 3.9 | 4.4 | 3.0 | 1.8 | 3.2 | 4.7 | 3.9 | 9.0 | 7.1 | 7.8 | 24 | 15.8 |
| 4 | 8.1 | 6.2 | 10.7 | 9.4 | 14.2 | 10.0 | 14.8 | 13.1 | BA | BA | BA | BA | 4.2 | 11.8 | 8.1 | 4.2 | 3.0 | 7.6 | 10.3 | 7.3 | 5.7 | 8.3 | 5.5 | 4.0 | 20 | 14.8 |
| 5 | 7.7 | 4.5 | 1.4 | 2.3 | 6.4 | 4.5 | 2.8 | 4.8 | 11.4 | 6.5 | AX | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 10 | 11.4 |
| 6 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | BA | BA | 3.0 | 2.7 | 3.2 | 3.2 | 1.8 | 2.1 | 5.0 | 6.8 | 4.0 | 1.6 | 7.2 | 7.4 | 7.3 | 13 | 7.4 |
| 7 | 4.8 | .7 | -1.3 | -.3 | -2.1 | -3.1 | .2 | 1.2 | -1.4 | -3.5 | -3.3 | -1.8 | -.9 | -.6 | -1.1 | -3.5 | -3.3 | -2.3 | .8 | 1.3 | -2.3 | -1.9 | -1.4 | .8 | 24 | 4.8 |
| 8 | -2.3 | -4.1 | -.1 | 4.3 | 1.9 | -1.3 | -1.1 | -1.6 | -.1 | -.5 | -.9 | -1.3 | -.3 | 1.7 | 1.4 | 2.1 | 3.3 | 3.5 | -.1 | -2.0 | AJ | AJ | AJ | AJ | 20 | 4.3 |
| 9 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 10 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | BA | BA | 1.5 | 1.5 | 3.0 | 1.3 | 1.1 | 2.4 | 4.8 | 8.4 | 6.7 | 4.1 | 9.4 | 11 | 9.4 |
| 11 | 9.0 | 9.4 | 5.3 | 7.0 | 7.0 | 5.7 | 3.4 | 3.9 | 3.9 | 5.0 | 3.3 | 2.0 | 3.6 | 4.5 | 3.3 | 1.4 | 5.8 | 5.2 | 11.1 | 8.2 | 6.5 | 12.0 | 10.0 | 7.5 | 24 | 12.0 |
| 12 | 6.3 | 8.8 | 7.2 | 9.0 | 7.0 | 6.7 | 10.0 | 11.7 | 8.5 | 9.9 | 5.7 | 2.3 | 5.2 | 6.7 | 6.0 | 4.5 | 6.5 | 6.5 | 4.9 | 7.3 | 7.8 | 9.8 | 9.8 | 10.5 | 24 | 11.7 |
| 13 | 8.5 | 9.0 | 6.8 | 8.8 | 6.1 | 4.4 | 8.3 | 9.5 | 11.4 | 6.9 | 6.7 | 10.9 | 7.9 | 10.4 | 7.0 | 5.3 | 9.7 | 10.3 | 10.4 | 13.0 | 9.5 | 7.6 | 6.8 | 7.8 | 24 | 13.0 |
| 14 | 9.3 | 9.8 | 7.8 | 8.0 | 7.5 | 6.1 | 10.8 | 5.2 | 1.6 | 1.4 | 2.3 | 3.1 | 2.0 | 1.2 | 3.3 | 3.3 | 2.6 | 3.2 | 7.1 | 7.6 | 5.9 | 8.3 | 12.0 | 9.5 | 24 | 12.0 |
| 15 | 10.0 | 10.3 | 8.6 | 10.3 | 7.3 | 4.4 | 10.8 | 12.5 | 7.8 | 6.3 | 4.6 | 4.9 | 8.0 | 7.3 | 4.4 | 3.6 | 4.4 | 7.3 | 11.5 | 10.0 | 8.0 | 14.9 | 17.6 | 10.8 | 24 | 17.6 |
| 16 | 15.8 | 17.6 | 13.7 | 15.1 | 13.6 | 13.6 | 10.3 | 8.1 | 10.1 | 13.6 | 9.2 | 6.0 | 8.7 | 11.1 | 8.5 | 4.6 | 10.0 | 10.4 | 12.5 | 17.3 | 13.9 | 12.8 | 14.6 | 14.9 | 24 | 17.6 |
| 17 | 12.5 | 13.0 | 13.0 | 9.8 | 13.0 | 9.8 | 12.0 | 11.7 | 13.8 | 12.7 | 9.7 | 8.7 | AX | AX | BA | BA | 5.5 | 6.7 | 10.2 | 9.4 | 11.2 | 12.4 | 9.0 | 9.0 | 20 | 13.8 |
| 18 | 10.7 | 10.7 | 12.0 | 11.5 | 11.7 | 14.1 | 14.6 | 11.2 | 9.2 | 7.9 | 9.9 | 7.7 | 3.5 | 5.5 | 6.2 | 7.7 | 9.7 | 11.8 | 8.6 | 6.1 | 11.9 | 12.7 | 9.7 | 12.7 | 24 | 14.6 |
| 19 | 9.5 | 8.3 | 9.3 | 9.0 | 11.7 | 10.5 | 12.0 | 18.8 | 11.4 | 15.5 | 9.2 | 7.1 | 4.0 | 4.3 | 6.2 | 7.4 | 12.3 | 8.6 | 6.9 | 10.6 | 11.3 | 8.6 | 6.3 | 13.2 | 24 | 18.8 |
| 20 | 9.0 | 14.3 | 11.7 | 11.0 | 13.6 | 18.5 | 14.8 | 12.7 | 10.7 | 14.6 | 12.3 | 14.9 | 13.2 | 13.3 | 13.7 | 11.8 | 10.3 | 10.1 | 8.6 | 8.6 | 13.7 | 12.8 | 11.4 | 9.7 | 24 | 18.5 |
| 21 | 5.8 | 7.5 | 6.8 | 4.4 | 7.0 | 9.2 | 7.0 | 5.3 | 5.4 | 4.9 | 7.2 | 7.4 | 9.9 | 7.2 | 3.8 | 1.4 | 3.3 | 3.3 | 2.6 | 2.0 | 3.9 | 4.9 | 3.9 | 1.2 | 24 | 9.9 |
| 22 | 2.4 | 2.4 | 1.5 | 2.9 | 2.6 | 1.9 | .0 | 1.7 | 5.3 | 3.4 | 1.5 | 3.3 | 4.1 | 4.6 | 3.3 | 3.6 | 5.4 | 8.2 | 7.2 | 7.7 | 7.5 | 6.5 | 7.5 | 8.0 | 24 | 8.2 |
| 23 | 6.8 | 4.9 | 8.2 | 8.2 | 5.8 | 4.8 | 6.7 | 6.8 | 5.6 | 4.9 | 5.4 | 3.7 | 2.4 | 2.9 | 4.1 | 4.4 | 4.1 | 5.1 | 10.7 | 8.3 | 7.8 | 7.0 | 4.9 | 4.1 | 24 | 10.7 |
| 24 | 5.1 | 4.6 | 5.6 | 9.0 | 8.2 | 6.8 | 6.5 | 6.3 | 10.2 | 9.0 | 7.0 | 8.0 | 7.5 | 7.0 | 8.3 | 8.0 | 9.0 | 12.2 | 11.4 | 11.2 | 10.5 | 8.3 | 9.2 | 12.7 | 24 | 12.7 |
| 25 | 11.2 | 11.2 | 7.5 | 8.7 | 7.2 | 9.2 | 7.2 | 8.3 | 6.3 | 1.5 | 1.9 | 4.1 | 4.6 | 1.5 | 1.0 | 5.8 | 4.4 | 4.6 | 7.2 | 6.0 | 9.7 | 11.9 | 8.2 | 10.9 | 24 | 11.9 |
| 26 | 10.0 | 7.5 | 7.8 | 8.2 | 9.7 | 9.5 | 10.7 | 11.0 | 13.4 | 8.3 | 5.8 | 6.6 | 6.6 | 8.0 | 8.3 | 9.0 | 7.5 | 10.5 | 9.9 | 8.5 | 12.9 | 12.2 | 13.2 | 14.5 | 24 | 14.5 |
| 27 | 9.5 | 10.5 | 10.2 | 7.0 | 11.2 | 9.2 | 13.3 | 11.4 | 11.0 | 13.4 | 9.5 | 7.0 | 6.3 | 6.1 | 4.1 | 4.4 | 7.3 | 8.8 | 12.4 | 9.4 | 11.7 | 15.1 | 11.9 | 11.2 | 24 | 15.1 |
| 28 | 14.1 | 10.2 | 15.0 | 13.6 | 10.7 | 7.5 | 7.5 | 12.9 | 9.3 | 7.0 | 6.3 | 3.9 | 4.6 | 4.1 | 3.4 | 5.1 | 5.1 | 6.3 | 7.2 | 4.9 | 7.2 | 7.7 | 12.4 | 10.2 | 24 | 15.0 |
| 29 | 10.0 | 9.7 | 12.9 | 9.2 | 11.2 | 11.7 | 8.8 | 13.6 | 11.7 | 10.0 | 11.9 | 11.7 | 11.0 | 9.5 | 10.7 | 14.8 | 11.2 | 9.7 | 13.6 | 24.9 | 12.9 | 22.2 | 19.2 | 17.7 | 24 | 24.9 |
| 30 | 17.8 | 16.5 | 16.8 | 17.3 | 14.8 | 15.8 | 15.3 | 16.8 | 14.3 | 17.6 | 9.3 | 11.9 | 10.2 | 9.0 | 10.7 | 8.8 | 10.7 | 16.0 | 14.8 | 15.0 | 17.8 | 18.0 | 15.3 | 14.5 | 24 | 18.0 |
| 31 | 10.9 | 11.0 | 13.4 | 11.9 | 18.7 | 9.2 | 17.0 | 12.2 | AX | BA | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 8 | 18.7 |
| NO.: | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 26 | 26 | 25 | 26 | 26 | 27 | 27 | 27 | 28 | 28 | 28 | 28 | 27 | 27 | 27 | 27 | | |
| MAX: | 17.8 | 17.6 | 16.8 | 17.3 | 18.7 | 18.5 | 17.0 | 18.8 | 14.3 | 17.6 | 17.4 | 14.9 | 13.2 | 13.3 | 13.7 | 14.8 | 12.3 | 16.0 | 14.8 | 24.9 | 17.8 | 22.2 | 19.2 | 17.7 | | |
| AVG: | 8.87 | 8.56 | 8.48 | 8.90 | 9.13 | 8.14 | 9.05 | 9.24 | 8.65 | 7.69 | 6.50 | 5.88 | 5.55 | 5.88 | 5.50 | 5.11 | 5.98 | 6.91 | 8.34 | 8.66 | 9.00 | 10.52 | 9.90 | 9.90 | | |

MONTHLY OBSERVATIONS: 654 MONTHLY MEAN: 7.95 MONTHLY MAX: 24.9

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-063-0015 POC: 3
COUNTY: (063) Durham
CITY: (19000) Durham
SITE ADDRESS: 801 STADIUM DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (2280) DURHAM, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.0329550009
LONGITUDE: -78.904037
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 118
PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: NOVEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 2 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 3 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | AX | AX | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 4 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | BA | 7.1 | 6.6 | 5.1 | 5.2 | 2.4 | 6.1 | 10.5 | 13.8 | 9.5 | 6.3 | 3.6 | 11 | 13.8 |
| 5 | 7.8 | 8.3 | 9.8 | 7.3 | 10.3 | 9.5 | 9.5 | 9.8 | 5.6 | 3.4 | 1.7 | 2.7 | 3.7 | 3.7 | 3.2 | 5.4 | 5.9 | 7.8 | 15.1 | 16.4 | 16.8 | 14.4 | 16.1 | 18.6 | 24 | 18.6 |
| 6 | 18.8 | 14.3 | 16.9 | 16.6 | 15.1 | 19.8 | 18.3 | 16.6 | 13.2 | 8.3 | 4.4 | 4.4 | 9.1 | 8.8 | 6.8 | 4.9 | 4.2 | 10.0 | 14.6 | 12.2 | 14.1 | 13.6 | 13.6 | 17.1 | 24 | 19.8 |
| 7 | 13.4 | 11.0 | 12.7 | 9.5 | 12.2 | 8.8 | 9.3 | 13.6 | 8.5 | 6.1 | 4.4 | 3.0 | .3 | -1.1 | 2.2 | 4.7 | 4.9 | 7.6 | 10.8 | 9.8 | 8.0 | 10.2 | 8.3 | 7.8 | 24 | 13.6 |
| 8 | 11.7 | 12.9 | 11.0 | 9.5 | 6.1 | 7.8 | 7.3 | 8.3 | 8.8 | 9.1 | 7.3 | 7.8 | 5.9 | 2.9 | 3.0 | 3.9 | 6.8 | 11.4 | 10.7 | 9.0 | 8.8 | 12.0 | 10.8 | 14.1 | 24 | 14.1 |
| 9 | 10.2IT | 10.0IT | 12.5IT | 10.0IT | 9.5IT | 11.7IT | 15.1IT | 16.1IT | 25.2IT | 26.7IT | 46.0IT | 43.4IT | 22.0IT | 6.3IT | 5.6IT | 2.9IT | 3.7IT | 3.7IT | 2.7IT | 4.4IT | 2.7IT | 3.4IT | 4.4IT | 4.1IT | 24 | 46.0 |
| 10 | 1.3 | 1.5 | 4.4 | 5.1 | 7.0 | 4.9 | 4.4 | 7.3 | 6.1 | 6.1 | 6.1 | 2.5 | -.2 | .6 | 1.1 | 3.0 | 5.2 | 10.3 | 10.7 | 12.0 | 11.8 | 11.7 | 10.5 | 6.6 | 24 | 12.0 |
| 11 | 8.5 | 5.9 | 12.5 | 9.5 | 10.0 | 9.3 | 9.8 | 10.0 | 11.5 | 8.1 | 5.4 | 4.9 | 3.9 | 5.2 | 4.2 | 9.1 | 9.8 | 8.6 | 10.0 | 8.6 | 10.0 | 12.0 | 10.5 | 13.9 | 24 | 13.9 |
| 12 | 11.3 | 10.5 | 7.1 | 5.6 | 4.7 | 5.4 | 3.4 | 7.8 | 7.1 | 5.4 | 4.9 | 3.9 | 2.7 | 3.7 | 2.2 | 3.2 | 4.7 | 5.6 | 8.3 | 18.1 | 13.4 | 24.5 | 21.0 | 19.3 | 24 | 24.5 |
| 13 | 22.5 | 17.6 | 14.6 | 17.8 | 14.1 | 9.3 | 12.2 | 10.3 | 16.4 | 9.3 | 7.3 | 5.9 | 5.6 | 4.5 | 3.7 | 5.9 | 7.8 | 13.2 | 16.8 | 12.5 | 11.7 | 14.6 | 15.1 | 16.8 | 24 | 22.5 |
| 14 | 15.9 | 17.3 | 19.3 | 18.3 | 14.1 | 12.7 | 14.4 | 12.9 | 9.8 | 11.5 | 11.0 | 10.5 | 8.6 | 12.4 | 10.8 | 12.7 | 13.2 | 9.3 | 9.0 | 7.5 | 9.3 | 10.5 | 12.0 | 11.5 | 24 | 19.3 |
| 15 | 8.8IT | 7.8IT | 14.8IT | 16.1IT | 12.7IT | 13.6IT | 13.1IT | 16.4IT | 15.8IT | 12.5IT | 8.3IT | 9.0IT | 16.1IT | 17.1IT | 17.4IT | 15.6IT | 21.6IT | 26.0IT | 24.5IT | 28.9IT | 27.7IT | 30.9IT | 25.4IT | 29.2IT | 24 | 30.9 |
| 16 | 24.5IT | 27.0IT | 28.7IT | 28.5IT | 29.2IT | 28.7IT | 33.1IT | 29.7IT | 29.9IT | 24.5IT | AZ | AZ | BA | BA | 12.7IT | 10.8IT | 14.2IT | 17.4IT | 19.3IT | 19.6IT | 23.8IT | 22.5IT | 24.0IT | 23.0IT | 20 | 33.1 |
| 17 | 25.2IT | 22.3IT | 20.5IT | 21.3IT | 18.3IT | 17.3IT | 15.6IT | 20.3IT | 15.1IT | 12.7IT | 13.4IT | 12.7IT | 15.1IT | 9.8IT | 11.0IT | 9.6IT | 9.8IT | 9.3IT | 10.8IT | 16.1IT | 11.0IT | 20.3IT | 17.8IT | 18.6IT | 24 | 25.2 |
| 18 | 17.6IT | 17.1IT | 20.3IT | 18.6IT | 14.8IT | 22.3IT | 17.1IT | 20.3IT | 18.8IT | 20.3IT | 27.0IT | 58.6IT | 61.3IT | 58.6IT | 43.9IT | 46.8IT | 51.6IT | 55.0IT | 70.9IT | 73.3IT | 72.6IT | 74.1IT | 73.0IT | 71.6IT | 24 | 74.1 |
| 19 | 74.1IT | 72.1IT | 66.2IT | 58.9IT | 62.1IT | 53.5IT | 53.5IT | 45.1IT | 41.5IT | 27.2IT | 21.3IT | 20.1IT | 10.8IT | 11.8IT | 24.0IT | 6.1IT | 4.9IT | 3.7IT | 2.7IT | 4.4IT | 5.1IT | 5.1IT | 3.2IT | 3.4IT | 24 | 74.1 |
| 20 | 6.8 | 7.3 | 7.8 | 6.6 | 9.5 | 6.1 | 5.1 | 6.1 | 3.9 | 7.6 | 7.3 | 6.8 | 5.1 | 4.7 | 5.4 | 8.5 | 7.3 | 9.0 | 6.8 | 9.0 | 5.4 | 2.9 | 5.4 | 7.5 | 24 | 9.5 |
| 21 | 10.3 | 12.2 | 9.5 | 9.7 | 8.8 | 10.5 | 8.8 | 11.0 | 9.3 | 7.8 | 7.1 | 5.9 | 5.6 | 6.1 | 5.8 | 5.1 | 4.4 | 5.6 | 10.8 | 8.0 | 11.2 | 10.7 | 7.3 | 8.0 | 24 | 12.2 |
| 22 | 10.2 | 9.5 | 7.3 | 7.8 | 7.5 | 10.7 | 10.2 | 9.0 | 9.5 | 7.8 | 5.4 | 3.7 | 2.7 | 3.2 | 3.9 | 2.5 | 5.6 | 10.5 | 11.0 | 9.3 | 14.8 | 12.9 | 11.2 | 12.9 | 24 | 14.8 |
| 23 | 15.3IT | 16.3IT | 15.8IT | 15.8IT | 12.5IT | 13.6IT | 11.0IT | 15.6IT | 13.9IT | 15.1IT | 16.6IT | 18.1IT | 14.1IT | 11.2IT | 11.0IT | 9.1IT | 11.0IT | 11.5IT | 17.1IT | 20.3IT | 19.3IT | 18.3IT | 19.3IT | 19.3IT | 24 | 20.3 |
| 24 | 18.8IT | 20.5IT | 17.6IT | 17.6IT | 20.3IT | 21.8IT | 14.6IT | 20.3IT | 17.6IT | 18.8IT | 19.3IT | 19.8IT | 19.8IT | 13.6IT | 9.3IT | 7.5IT | 9.3IT | 18.3IT | 16.8IT | 17.3IT | 15.1IT | 21.5IT | 25.7IT | 23.2IT | 24 | 25.7 |
| 25 | 23.5IT | 21.5IT | 19.8IT | 20.0IT | 15.6IT | 20.8IT | 19.0IT | 19.5IT | 21.8IT | 18.3IT | 16.6IT | 14.1IT | 10.3IT | 17.3IT | 10.0IT | 13.9IT | 12.5IT | 19.5IT | 18.3IT | 24.4IT | 21.8IT | 23.2IT | 26.7IT | 24.2IT | 24 | 26.7 |
| 26 | 21.5 | 12.2 | 11.7 | 13.8 | 8.8 | 12.0 | 15.6 | 10.2 | 8.3 | 6.3 | 10.5 | 8.0 | 6.6 | 5.4 | 3.7 | 3.4 | 3.9 | 7.6 | 7.3 | 8.0 | 7.3 | 7.5 | 12.4 | 9.5 | 24 | 21.5 |
| 27 | 10.0 | 8.0 | 10.8 | 6.8 | 3.9 | 8.0 | 11.2 | 8.5 | 7.8 | 7.3 | 7.8 | 5.6 | 6.6 | 8.5 | 7.3 | 10.3 | 7.8 | 11.7 | 11.2 | 12.0 | 10.0 | 13.9 | 17.1 | 23.7 | 24 | 23.7 |
| 28 | 22.5IT | 16.8IT | 15.8IT | 17.5IT | 15.1IT | 15.8IT | 18.6IT | 19.3IT | 18.6IT | 11.0IT | 12.2IT | 12.2IT | 8.5IT | 7.3IT | 6.8IT | 6.8IT | 7.5IT | 12.4IT | 16.1IT | 12.9IT | 15.6IT | 15.3IT | 7.5IT | 7.1IT | 24 | 22.5 |
| 29 | 6.5 | 5.6 | 5.1 | 7.8 | 8.8 | 6.1 | 5.8 | 4.9 | 7.5 | 5.8 | 3.4 | 5.4 | 4.2 | 7.0 | 6.6 | 4.9 | 6.3 | 8.8 | 6.1 | 8.3 | 8.0 | 7.0 | 6.1 | 4.6 | 24 | 8.8 |
| 30 | 6.8 | 4.6 | 3.2 | 5.4 | 7.3 | 5.3 | 5.1 | 6.8 | 6.1 | 8.0 | AX | AX | BA | BA | 7.4 | 7.1 | 6.4 | 6.6 | 9.6 | 11.1 | 10.3 | 11.5 | 10.1 | 8.6 | 20 | 11.5 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 24 | 24 | 24 | 25 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | | |
| MAX: | 74.1 | 72.1 | 66.2 | 58.9 | 62.1 | 53.5 | 53.5 | 45.1 | 41.5 | 27.2 | 46.0 | 58.6 | 61.3 | 58.6 | 43.9 | 46.8 | 51.6 | 55.0 | 70.9 | 73.3 | 72.6 | 74.1 | 73.0 | 71.6 | | |
| AVG: | 16.30 | 15.00 | 15.22 | 14.67 | 13.78 | 14.05 | 13.89 | 14.45 | 13.75 | 11.73 | 11.45 | 12.04 | 10.35 | 9.43 | 8.73 | 8.47 | 9.46 | 11.96 | 13.86 | 14.96 | 14.79 | 16.07 | 15.59 | 15.84 | | |

MONTHLY OBSERVATIONS: 627 MONTHLY MEAN: 13.18 MONTHLY MAX: 74.1

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-063-0015 POC: 3
COUNTY: (063) Durham
CITY: (19000) Durham
SITE ADDRESS: 801 STADIUM DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (2280) DURHAM, NC
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.0329550009
LONGITUDE: -78.904037
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 118
PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: DECEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.0 | 1.5 | -.4 | -.1 | 6.1 | 5.2 | 7.6 | 6.1 | 5.4 | 5.7 | 4.0 | 4.0 | 5.2 | 7.9 | 6.4 | 9.6 | 9.6 | 11.3 | 12.5 | 10.8 | 10.6 | 8.6 | 6.9 | 10.1 | 24 | 12.5 |
| 2 | 8.9 | 10.8 | 7.6 | 4.7 | 7.4 | 9.1 | 8.1 | 9.4 | 13.7 | 8.4 | 3.7 | 3.5 | 5.0 | 5.5 | 5.9 | 6.9 | 4.3 | 4.5 | 7.6 | 8.6 | 12.7 | 12.3 | 11.8 | 7.1 | 24 | 13.7 |
| 3 | 5.0 | 9.1 | 11.3 | 11.8 | 8.9 | 6.6 | 8.1 | 10.1 | 9.1 | 7.9 | 7.8 | 5.7 | 5.9 | 7.1 | 7.9 | 6.6 | 7.4 | 8.6 | 9.6 | 14.2 | 15.7 | 10.8 | 11.3 | 19.6 | 24 | 19.6 |
| 4 | 22.1 | 16.9 | 14.2 | 10.6 | 13.4 | 9.8 | 7.4 | 7.6 | 10.6 | 10.1 | 7.4 | 11.3 | 10.6 | 11.3 | 13.0 | 13.7 | 15.4 | 13.4 | 18.1 | 14.9 | 11.8 | 15.2 | 14.4 | 11.0 | 24 | 22.1 |
| 5 | 9.3 | 9.6 | 7.1 | 4.7 | 5.0 | 7.8 | 7.1 | 7.6 | 8.3 | 7.3 | 5.9 | 4.7 | 3.0 | 4.7 | 6.1 | 7.3 | 3.9 | 1.2 | 2.7 | 12.0 | 8.8 | 9.6 | 8.8 | 6.8 | 24 | 12.0 |
| 6 | 9.3 | 6.3 | 6.1 | 5.2 | 7.8 | 9.5 | 8.1 | 8.8 | 8.8 | 10.5 | 6.4 | 5.2 | 4.9 | 2.0 | 1.7 | 4.4 | 4.4 | 2.5 | 5.6 | 4.4 | 4.2 | 5.4 | 3.4 | 3.2 | 24 | 10.5 |
| 7 | 5.2 | 6.8 | 6.8 | 3.9 | 3.2 | 7.3 | 9.8 | 6.8 | 8.8 | 6.4 | 6.4 | 9.3 | 6.1 | 6.6 | 10.3 | 8.1 | 10.5 | 12.0 | 13.2 | 10.8 | 12.4 | 11.8 | 9.8 | 13.6 | 24 | 13.6 |
| 8 | 17.1 | 13.9 | 13.9 | 9.8 | 10.0 | 9.1 | 11.0 | 12.7 | 12.5 | 8.6 | 8.8 | 5.9 | 5.9 | 7.1 | 5.6 | 8.3 | 7.6 | 5.1 | 7.1 | 9.5 | 8.0 | 8.0 | 7.0 | 4.2 | 24 | 17.1 |
| 9 | 8.8 | 8.8 | 9.0 | 8.3 | 6.1 | 4.4 | 6.8 | 7.1 | AX | AX | BA | BA | 4.5 | 6.4 | 9.1 | 8.4 | 7.6 | 6.2 | 10.6 | 11.3 | 10.4 | 9.1 | 7.1 | 7.9 | 20 | 11.3 |
| 10 | 8.1 | 5.9 | 10.1 | 8.1 | 7.6 | 12.9 6 | 16.6 6 | 12.8 6 | 7.4 | 5.5 | 6.2 | 5.9 | 5.5 | 7.6 | 6.2 | 5.7 | 9.4 | 6.2 | 9.6 | 12.3 | 23.6 | 25.0 | 28.0 | 33.4 | 24 | 33.4 |
| 11 | 27.5 | 28.3 | 32.1 | 25.8 | 25.5 | 25.7 6 | 27.7 6 | 23.6 6 | 25.0 | 23.8 | 16.2 | 8.9 | 7.9 | 9.6 | 10.6 | 10.1 | 9.9 | 7.9 | 13.0 | 12.5 | 15.7 | 11.8 | 11.3 | 11.1 | 24 | 32.1 |
| 12 | 11.1 | 12.5 | 9.1 | 14.0 | 11.8 | 12.5 | 13.7 | 12.3 | 11.3 | 17.4 | 21.4 | 13.0 | 14.2 | 13.7 | 10.8 | 15.2 | 10.6 | 11.3 | 15.7 | 17.2 | 17.2 | 17.4 | 15.2 | 17.4 | 24 | 21.4 |
| 13 | 11.6 | 18.9 | 16.7 | 14.4 | 12.0 | 10.3 | 10.3 | 11.3 | 21.6 | 5.2 | 7.1 | 13.2 | 11.1 | 10.3 | 11.6 | 8.4 | 7.4 | 6.9 | 13.7 | 11.3 | 16.7 | 14.0 | 15.9 | 14.7 | 24 | 21.6 |
| 14 | 17.4 | 14.9 | 17.2 | 12.8 | 14.2 | 14.2 | 11.1 | 12.5 | 8.4 | 8.9 | 6.1 | 4.7 | 7.6 | 6.4 | 7.1 | 5.2 | 5.5 | 7.9 | 8.4 | 12.1 | 11.6 | 12.0 | 12.7 | 16.4 | 24 | 17.4 |
| 15 | 15.7 | 14.7 | 11.1 | 16.2 | 15.2 | 15.2 | 6.9 | 7.1 | 8.4 | 8.1 | 7.1 | 6.2 | 5.4 | 3.7 | 4.8 | 6.4 | 6.2 | 7.4 | 6.1 | 6.2 | 7.3 | 7.8 6 | 5.6 6 | 9.1 6 | 24 | 16.2 |
| 16 | 6.8 6 | 8.6 6 | 7.1 6 | 5.6 6 | 7.1 6 | 9.5 6 | 6.4 6 | 4.0 6 | 3.2 | 3.5 | 5.0 | 6.6 | 9.1 | 7.9 | 7.6 | 10.3 | 7.6 | 7.9 | 10.1 | 11.8 | 11.3 | 10.6 | 10.1 | 11.3 | 24 | 11.8 |
| 17 | 12.6 | 13.2 | 10.1 | 8.6 | 8.9 | 11.3 | 13.5 | 13.9 | 12.1 | 14.7 | 19.9 | 17.2 | 12.8 | 13.5 | 14.2 | 17.9 | 13.5 | 18.2 | 18.7 | 17.2 | 17.7 | 20.9 | 20.4 | 25.0 | 24 | 25.0 |
| 18 | 19.4 | 22.1 | 19.1 | 19.1 | 18.4 | 18.4 | 14.7 | 14.2 | 10.6 | 10.4 | 7.9 | 5.0 | 6.9 | 7.9 | 8.9 | 5.5 | 2.5 | 3.3 | 5.4 | 5.5 | 5.7 | 5.5 | 5.9 | 4.2 | 24 | 22.1 |
| 19 | 5.9 | 7.4 | 9.1 | 7.8 | 7.1 | 12.8 | 10.1 | 10.3 | 9.1 | 6.4 | 6.4 | 5.5 | 6.7 | 9.4 | 9.6 | 5.5 | 6.6 | 6.4 | 6.7 | 9.1 | 9.1 | 10.4 | 8.4 | 9.4 | 24 | 12.8 |
| 20 | 6.7 | 8.6 | 10.1 | 10.9 | 9.6 | 5.9 | 8.1 | 10.6 | 14.7 | 9.9 | 7.1 | 10.1 | 13.7 | 8.9 | 8.1 | 5.9 | 5.2 | 6.2 | 13.2 | 12.7 | 14.7 | 10.8 | 20.4 | 21.9 | 24 | 21.9 |
| 21 | 16.9 | 19.6 | 17.9 | 15.2 | 15.2 | 13.0 | 16.4 | 23.1 | 27.0 | 15.7 | 7.9 | 8.4 | 7.1 | 4.7 | 4.0 | 6.7 | 6.9 | 12.5 | 12.1 | 13.0 | 14.4 | 17.7 | 18.6 | 21.1 | 24 | 27.0 |
| 22 | 14.9 | 13.2 | 15.9 | 12.6 | 13.5 | 13.2 | 14.4 | 14.4 | 14.5 | 14.7 | 16.7 | 11.6 | 7.9 | 5.7 | 9.4 | 7.2 | 7.9 | 11.8 | 11.8 | 9.1 | 7.4 | 7.4 | 6.1 | 8.4 | 24 | 16.7 |
| 23 | 11.8 | 11.3 | 11.1 | 10.8 | 9.8 | 8.9 | 12.3 | 14.4 | 16.7 | 12.8 | 12.8 | 13.2 | 11.1 | 12.3 | 8.9 | 9.1 | 11.1 | 16.2 | 11.6 | 13.9 | 14.7 | 17.9 | 18.6 | 15.2 | 24 | 18.6 |
| 24 | 18.9 | 16.2 | 16.4 | 20.9 | 17.4 | 16.7 | 17.4 | 17.2 | 12.5 | 11.6 | 12.8 | 13.7 | 18.2 | 12.3 | 11.8 | 14.2 | 14.4 | 15.7 | 16.4 | 21.4 | 17.9 | 18.9 | 22.6 | 17.7 | 24 | 22.6 |
| 25 | 20.1 | 21.6 | 19.1 | 20.4 | 19.8 | 19.9 | 18.9 | 14.7 | 12.7 | 11.1 | 7.9 | 9.1 | 7.9 | 8.4 | 7.6 | 7.6 | 8.1 | 9.6 | 9.6 | 9.3 | 7.9 | 8.4 | 6.9 | 10.1 | 24 | 21.6 |
| 26 | 10.6 | 11.5 | 9.8 | 6.6 | 8.1 | 7.9 | 9.6 | 9.1 | 10.8 | 8.1 | 7.8 | 5.7 | 5.5 | 9.8 | 6.9 | 5.5 | 9.1 | 8.1 | 9.6 | 9.3 | 9.9 | 10.8 | 10.1 | 10.8 | 24 | 11.5 |
| 27 | 12.7 | 10.8 | 11.8 | 11.1 | 10.1 | 10.8 | 6.4 | 5.0 | 5.4 | 8.1 | 6.4 | 10.8 | 7.1 | 5.0 | 5.2 | 7.9 | 7.6 | 10.1 | 8.6 | 8.9 | 11.6 | 9.6 | 13.5 | 8.1 | 24 | 13.5 |
| 28 | 7.4 | 8.1 | 7.8 | 7.3 | 4.7 | 4.7 | 7.1 | 6.9 | AX | AX | BA | BA | .6 | 5.7 | 6.1 | 5.0 | 5.0 | 7.1 | 12.9 | 10.1 | 9.6 | 12.5 | 11.3 | 13.2 | 20 | 13.2 |
| 29 | 14.6 | 13.9 | 13.0 | 13.7 | 11.8 | 8.9 | 7.1 | 13.4 | 11.1 | 10.3 | 12.0 | 10.3 | 12.1 | 9.4 | 9.1 | 7.6 | 4.2 | 4.5 | 5.4 | 4.2 | 5.9 | 5.4 | 4.2 | 3.7 | 24 | 14.6 |
| 30 | 4.2 | 5.9 | 6.9 | 4.7 | 4.0 | 4.5 | 5.5 | 6.6 | 5.4 | 5.5 | 4.2 | 4.0 | 4.7 | 4.7 | 4.5 | 4.5 | 8.1 | 6.8 | 5.0 | 8.8 | 12.5 | 16.1 | 11.8 | 13.2 | 24 | 16.1 |
| 31 | 12.3 | 19.3 | 13.9 | 16.7 | 16.4 | 18.1 | 10.1 | 12.5 | 11.6 | 8.1 | 9.3 | 8.1 | 6.4 | 8.1 | 6.6 | 7.4 | 6.2 | 7.9 | 7.9 | 9.4 | 9.1 | 10.6 | 11.1 | 8.6 | 24 | 19.3 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 29 | 29 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 27.5 | 28.3 | 32.1 | 25.8 | 25.5 | 25.7 | 27.7 | 23.6 | 27.0 | 23.8 | 21.4 | 17.2 | 18.2 | 13.7 | 14.2 | 17.9 | 15.4 | 18.2 | 18.7 | 21.4 | 23.6 | 25.0 | 28.0 | 33.4 | | |
| AVG: | 12.19 | 12.59 | 11.97 | 11.04 | 10.84 | 11.10 | 10.91 | 11.16 | 11.61 | 9.82 | 8.92 | 8.30 | 7.76 | 7.86 | 7.92 | 8.13 | 7.86 | 8.54 | 10.27 | 11.03 | 11.81 | 12.01 | 11.91 | 12.50 | | |

MONTHLY OBSERVATIONS: 736 MONTHLY MEAN: 10.34 MONTHLY MAX: 33.4

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-081-0013 POC: 1
COUNTY: (081) Guilford
CITY: (28000) Greensboro
SITE ADDRESS: 205 WILOUGHBY BLVD
SITE COMMENTS: MONITOR LOCATION MIDDLE OF PLAY FIELD
MONITOR COMMENTS: ID2=411?

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (3115) GREENSBORO, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 36.109167
LONGITUDE: -79.801111
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 247
PROBE HEIGHT: 2.06

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: 2016

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

| Day | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.0 | | 11.0 | | | | | | | | | |
| 2 | | | | | | | | | | | 15.9 IT | 5.4 |
| 3 | | | | | 3.1 6 | | | | 4.7 | 6.2 | | |
| 4 | | | | | | | | 7.7 | | | | |
| 5 | | | | | | 5.5 | 9.9 | | | | | |
| 6 | | 8.4 | | AH | 3.3 6 | | | | | | | |
| 7 | 7.3 | | 8.0 | | | | | | | | | |
| 8 | | | | 4.1 6 | | | | | | | 7.6 | 6.9 |
| 9 | | | | | | | | | 14.8 | 3.6 | | |
| 10 | | | | | | | | AJ | | | | |
| 11 | | | | | | 10.5 | 9.1 | | | | | |
| 12 | | AH | | 6.4 6 | 14.0 6 | | | | | | | |
| 13 | 4.2 | | 12.0 | | | | | | | | | |
| 14 | | | | | | | | | | | 7.4 | 7.3 |
| 15 | | | | | | | | | BJ | 8.0 | | |
| 16 | | | | | | | | 6.7 | | | | |
| 17 | | | | | | 6.8 | 7.2 | | | | | |
| 18 | | 5.9 | | AG | 6.4 6 | | | | | | | |
| 19 | 4.4 V | | AH | 9.5 6 | | | | | | | | |
| 20 | | | | 8.0 6 | | | | | | | 3.6 | 9.5 |
| 21 | | | | | | | | | 5.7 | 5.3 | | |
| 22 | | | | | | | | 5.2 | 5.0 | | | |
| 23 | | | | | | 13.3 | 10.7 | | | | | |
| 24 | | 4.0 | | 7.5 6 | 6.7 | | | | | | | |
| 25 | 15.7 | | 9.3 | | | | | | | | | |
| 26 | | | 10.8 | | | | | | | | 6.7 | 8.8 |
| 27 | | | 5.8 | | | | | | 7.1 | 10.0 | | |
| 28 | | | | | | | | 10.1 | | | | |
| 29 | | | | | | 9.4 | 5.9 | | | | | |
| 30 | | | | AN | 5.0 | | | | | | | |
| 31 | 7.5 | | 7.6 | | | | | | | | | |
| NO.: | 6 | 3 | 7 | 5 | 6 | 5 | 5 | 4 | 5 | 5 | 5 | 5 |
| MAX: | 15.7 | 8.4 | 12.0 | 9.5 | 14.0 | 13.3 | 10.7 | 10.1 | 14.8 | 10.0 | 15.9 | 9.5 |
| MEAN: | 7.35 | 6.10 | 9.21 | 7.10 | 6.42 | 9.10 | 8.56 | 7.43 | 7.46 | 6.62 | 8.24 | 7.58 |

ANNUAL OBSERVATIONS: 61 ANNUAL MEAN: 7.68 ANNUAL MAX: 15.9

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-081-0013 POC: 3
COUNTY: (081) Guilford
CITY: (28000) Greensboro
SITE ADDRESS: 205 WILOUGHBY BLVD
SITE COMMENTS: MONITOR LOCATION MIDDLE OF PLAY FIELD
MONITOR COMMENTS: ID2=411?

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (3115) GREENSBORO, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 36.109167
LONGITUDE: -79.801111
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 247
PROBE HEIGHT: 2.06

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JANUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.0 | 6.0 | 3.0 | 6.0 | 2.0 | 3.0 | 4.0 | 1.0 | -1.0 | 3.0 | 1.0 | 1.0 | .0 | 3.0 | 1.0 | 4.0 | 2.0 | 4.0 | 8.0 | 9.0 | 11.0 | 7.0 | 6.0 | AV | 23 | 11.0 |
| 2 | AV | 4.0 | 3.0 | .0 | 9.0 | 5.0 | 6.0 | 4.0 | 4.0 | -1.0 | 11.0 | 6.0 | 6.0 | 8.0 | 4.0 | 7.0 | 8.0 | 9.0 | 1.0 | 6.0 | 25.0 | 23.0 | 16.0 | 14.0 | 23 | 25.0 |
| 3 | 11.0 | 16.0 | 8.0 | 12.0 | 11.0 | 12.0 | 13.0 | 12.0 | 10.0 | 12.0 | 4.0 | 6.0 | 3.0 | 9.0 | 5.0 | 6.0 | 3.0 | 4.0 | 5.0 | 8.0 | 12.0 | 14.0 | 12.0 | 8.0 | 24 | 16.0 |
| 4 | 11.0 | 4.0 | 4.0 | 6.0 | 6.0 | 2.0 | 5.0 | 5.0 | 5.0 | 2.0 | 3.0 | 5.0 | .0 | -3.0 | -1.0 | 6.0 | 1.0 | 3.0 | 2.0 | 5.0 | 3.0 | 4.0 | 9.0 | 4.0 | 24 | 11.0 |
| 5 | .0 | 4.0 | 2.0 | 2.0 | 4.0 | 4.0 | 1.0 | 4.0 | 2.0 | -3.0 | 2.0 | 4.0 | AX | AX | BA | 2.0 | 6.0 | 9.0 | 4.0 | 6.0 | 8.0 | 3.0 | 5.0 | 5.0 | 21 | 9.0 |
| 6 | 6.0 | 7.0 | 7.0 | 6.0 | 3.0 | 5.0 | 4.0 | 6.0 | 5.0 | -2.0 | 7.0 | 8.0 | 6.0 | 7.0 | 3.0 | 4.0 | 10.0 | 8.0 | 5.0 | 7.0 | 7.0 | 10.0 | 8.0 | 7.0 | 24 | 10.0 |
| 7 | 6.0 | 3.0 | 7.0 | 12.0 | 7.0 | 9.0 | 5.0 | 7.0 | 5.0 | 6.0 | 5.0 | 5.0 | 2.0 | 3.0 | 8.0 | 6.0 | 8.0 | 11.0 | 12.0 | 8.0 | 12.0 | 6.0 | 6.0 | 8.0 | 24 | 12.0 |
| 8 | 7.0 | 5.0 | 4.0 | 6.0 | 6.0 | 6.0 | 1.0 | 4.0 | 5.0 | 2.0 | 5.0 | 7.0 | 5.0 | 8.0 | 7.0 | 3.0 | 3.0 | 3.0 | 10.0 | 7.0 | 7.0 | 10.0 | 7.0 | 7.0 | 24 | 10.0 |
| 9 | 6.0 | 2.0 | 4.0 | 1.0 | 2.0 | 5.0 | 4.0 | 3.0 | 3.0 | -1.0 | .0 | -1.0 | -2.0 | 3.0 | 1.0 | 2.0 | 2.0 | .0 | 5.0 | 3.0 | 5.0 | 2.0 | .0 | 4.0 | 24 | 6.0 |
| 10 | 1.0 | 1.0 | 2.0 | -1.0 | .0 | 2.0 | 4.0 | 2.0 | -1.0 | -5.0 | .0 | .0 | 10.0 | 2.0 | 3.0 | 4.0 | 1.0 | 3.0 | 2.0 | -1.0 | .0 | -2.0 | 1.0 | -1.0 | 24 | 10.0 |
| 11 | -1.0 | -1.0 | -2.0 | 3.0 | -1.0 | 1.0 | 3.0 | 2.0 | -2.0 | .0 | 4.0 | 5.0 | 3.0 | 3.0 | .0 | 3.0 | 5.0 | 5.0 | 2.0 | 3.0 | 8.0 | 9.0 | 13.0 | 25.0 | 24 | 25.0 |
| 12 | 33.0 | 30.0 | 24.0 | 20.0 | 17.0 | 12.0 | 10.0 | 9.0 | 9.0 | 5.0 | 9.0 | 6.0 | 7.0 | 5.0 | 3.0 | 6.0 | 2.0 | 3.0 | 6.0 | 1.0 | 2.0 | 7.0 | 7.0 | 5.0 | 24 | 33.0 |
| 13 | 5.0 | 5.0 | 3.0 | .0 | 1.0 | 1.0 | 2.0 | -1.0 | 1.0 | -3.0 | 3.0 | 6.0 | 2.0 | 6.0 | 1.0 | 1.0 | 4.0 | 5.0 | -1.0 | 2.0 | 12.0 | 15.0 | 14.0 | 9.0 | 24 | 15.0 |
| 14 | 6.0 | 7.0 | 9.0 | 7.0 | 10.0 | 9.0 | 8.0 | 7.0 | 8.0 | 2.0 | 12.0 | 15.0 | 7.0 | 10.0 | 8.0 | 6.0 | 10.0 | 7.0 | 3.0 | 4.0 | 6.0 | 6.0 | 8.0 | 8.0 | 24 | 15.0 |
| 15 | 8.0 | 10.0 | 11.0 | 9.0 | 11.0 | 13.0 | 15.0 | 11.0 | 13.0 | 12.0 | 18.0 | 23.0 | 20.0 | 21.0 | 18.0 | 12.0 | 11.0 | 14.0 | 11.0 | 7.0 | 2.0 | 2.0 | 4.0 | 5.0 | 24 | 23.0 |
| 16 | 3.0 | 7.0 | 11.0 | 7.0 | 7.0 | 6.0 | 8.0 | 6.0 | 9.0 | 6.0 | 7.0 | 8.0 | 8.0 | 10.0 | 9.0 | 6.0 | 3.0 | 8.0 | 3.0 | 4.0 | 3.0 | 5.0 | 8.0 | 3.0 | 24 | 11.0 |
| 17 | 3.0 | 3.0 | 1.0 | 1.0 | -1.0 | 2.0 | -1.0 | 4.0 | -1.0 | 7.0 | -1.0 | -1.0 | -2.0 | 5.0 | -2.0 | 4.0 | 6.0 | 4.0 | 7.0 | 4.0 | 4.0 | 5.0 | 5.0 | 12.0 | 24 | 12.0 |
| 18 | 7.0 | 7.0 | 8.0 | 7.0 | 7.0 | 5.0 | 4.0 | 2.0 | 5.0 | 2.0 | 4.0 | 8.0 | 1.0 | 4.0 | 3.0 | 1.0 | 1.0 | 5.0 | .0 | 4.0 | 6.0 | 8.0 | 6.0 | 3.0 | 24 | 8.0 |
| 19 | .0 | 2.0 | 2.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 4.0 | .0 | 5.0 | 8.0 | 4.0 | 2.0 | 6.0 | 3.0 | 5.0 | 4.0 | 1.0 | 6.0 | 10.0 | 5.0 | 5.0 | 10.0 | 24 | 10.0 |
| 20 | 13.0 | 12.0 | 16.0 | 15.0 | 12.0 | 9.0 | 11.0 | 6.0 | 9.0 | 6.0 | 16.0 | 8.0 | 10.0 | AX | AX | BA | BA | 11.0 | 12.0 | 12.0 | 15.0 | 11.0 | 13.0 | 19.0 | 20 | 19.0 |
| 21 | 15.0 | 14.0 | 18.0 | 18.0 | 20.0 | 22.0 | 15.0 | 10.0 | 10.0 | 10.0 | 4.0 | 6.0 | 2.0 | 8.0 | 6.0 | 2.0 | 4.0 | 5.0 | 4.0 | 7.0 | 8.0 | 12.0 | 14.0 | 12.0 | 24 | 22.0 |
| 22 | 12.0 | 14.0 | 14.0 | 12.0 | 9.0 | 9.0 | 12.0 | 8.0 | 13.0 | 12.0 | 11.0 | 11.0 | 9.0 | 11.0 | 12.0 | 9.0 | 10.0 | 9.0 | 9.0 | 11.0 | 12.0 | 9.0 | 7.0 | 7.0 | 24 | 14.0 |
| 23 | 6.0 | 3.0 | 6.0 | 5.0 | 6.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 5.0 | 3.0 | 7.0 | 3.0 | .0 | 5.0 | 4.0 | 3.0 | 7.0 | 2.0 | 3.0 | 7.0 | 8.0 | 7.0 | 24 | 8.0 |
| 24 | 5.0 | 5.0 | 6.0 | 8.0 | 5.0 | 6.0 | 6.0 | 3.0 | 1.0 | -3.0 | 4.0 | 7.0 | 3.0 | 6.0 | 3.0 | 6.0 | 3.0 | 8.0 | 9.0 | 8.0 | 16.0 | 27.0 | 34.0 | 39.0 | 24 | 39.0 |
| 25 | 64.0 | 50.0 | 36.0 | 21.0 | 18.0 | 17.0 | 14.0 | 11.0 | 12.0 | 11.0 | 10.0 | 17.0 | 12.0 | 12.0 | 11.0 | 9.0 | 9.0 | 9.0 | 7.0 | 11.0 | 11.0 | 16.0 | 18.0 | 19.0 | 24 | 64.0 |
| 26 | 21.0 | 21.0 | 26.0 | 18.0 | 17.0 | 14.0 | 15.0 | 13.0 | 11.0 | 6.0 | 13.0 | 15.0 | 11.0 | 12.0 | 10.0 | 12.0 | 8.0 | 9.0 | 10.0 | 9.0 | 17.0 | 14.0 | 15.0 | 15.0 | 24 | 26.0 |
| 27 | 14.0 | 17.0 | 13.0 | 13.0 | 16.0 | 15.0 | 14.0 | 16.0 | 15.0 | 13.0 | 3.0 | 4.0 | 6.0 | 4.0 | 4.0 | 8.0 | 4.0 | 6.0 | 5.0 | 2.0 | 8.0 | 8.0 | 9.0 | 5.0 | 24 | 17.0 |
| 28 | 18.0 | 6.0 | 9.0 | 10.0 | 11.0 | 9.0 | 13.0 | 9.0 | 10.0 | 7.0 | 22.0 | 15.0 | 12.0 | 17.0 | 13.0 | 21.0 | 14.0 | 9.0 | 11.0 | 10.0 | 7.0 | 13.0 | 19.0 | 14.0 | 24 | 22.0 |
| 29 | 15.0 | 14.0 | 16.0 | 15.0 | 17.0 | 16.0 | 14.0 | 13.0 | 11.0 | 2.0 | 13.0 | 14.0 | 7.0 | 7.0 | 4.0 | 1.0 | .0 | 5.0 | -2.0 | 3.0 | 1.0 | 6.0 | 7.0 | 11.0 | 24 | 17.0 |
| 30 | 9.0 | 10.0 | 9.0 | 9.0 | 8.0 | 12.0 | 13.0 | 11.0 | 8.0 | 7.0 | 20.0 | 15.0 | 8.0 | 8.0 | 7.0 | 5.0 | 8.0 | 5.0 | 3.0 | 4.0 | 8.0 | 15.0 | 20.0 | 18.0 | 24 | 20.0 |
| 31 | 22.0 | 14.0 | 16.0 | 11.0 | 12.0 | 10.0 | 12.0 | 11.0 | 6.0 | 7.0 | 18.0 | 19.0 | 13.0 | 7.0 | 9.0 | 6.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 5.0 | 5.0 | 7.0 | 24 | 22.0 |
| NO.: | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 29 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | | |
| MAX: | 64.0 | 50.0 | 36.0 | 21.0 | 20.0 | 22.0 | 15.0 | 16.0 | 15.0 | 13.0 | 22.0 | 23.0 | 20.0 | 21.0 | 18.0 | 21.0 | 14.0 | 14.0 | 12.0 | 12.0 | 25.0 | 27.0 | 34.0 | 39.0 | | |
| AVG: | 11.07 | 9.74 | 9.55 | 8.35 | 8.16 | 7.90 | 7.71 | 6.48 | 6.16 | 4.00 | 7.68 | 8.16 | 6.00 | 6.93 | 5.38 | 5.67 | 5.27 | 6.16 | 5.29 | 5.68 | 8.16 | 9.10 | 9.97 | 10.30 | | |

MONTHLY OBSERVATIONS: 735 MONTHLY MEAN: 7.46 MONTHLY MAX: 64.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-081-0013 POC: 3
COUNTY: (081) Guilford
CITY: (28000) Greensboro
SITE ADDRESS: 205 WILOUGHBY BLVD
SITE COMMENTS: MONITOR LOCATION MIDDLE OF PLAY FIELD
MONITOR COMMENTS: ID2=411?

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (3115) GREENSBORO, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 36.109167
LONGITUDE: -79.801111
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 247
PROBE HEIGHT: 2.06

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: FEBRUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.0 | 7.0 | 8.0 | 4.0 | 9.0 | 13.0 | 9.0 | 13.0 | 9.0 | 12.0 | 14.0 | 11.0 | 15.0 | 16.0 | 11.0 | 9.0 | 13.0 | 4.0 | 6.0 | 5.0 | 4.0 | 9.0 | 11.0 | 10.0 | 24 | 16.0 |
| 2 | 7.0 | 10.0 | 10.0 | 13.0 | 10.0 | 8.0 | 6.0 | 6.0 | 8.0 | 7.0 | 5.0 | 7.0 | 5.0 | 5.0 | 7.0 | 9.0 | 8.0 | 6.0 | 9.0 | 7.0 | 11.0 | 10.0 | 12.0 | 12.0 | 24 | 13.0 |
| 3 | 9.0 | 4.0 | 9.0 | 7.0 | 12.0 | 8.0 | 7.0 | 8.0 | 5.0 | 7.0 | 7.0 | AX | AX | BA | BA | BA | 3.0 | -1.0 | 3.0 | 4.0 | 2.0 | 3.0 | 3.0 | 5.0 | 19 | 12.0 |
| 4 | 5.0 | 3.0 | 3.0 | -1.0 | .0 | -1.0 | 1.0 | 4.0 | 4.0 | 5.0 | 4.0 | 1.0 | 6.0 | 3.0 | 7.0 | 5.0 | 5.0 | 4.0 | 3.0 | 5.0 | 5.0 | 6.0 | 5.0 | 8.0 | 24 | 8.0 |
| 5 | 7.0 | 5.0 | 7.0 | 3.0 | 2.0 | 1.0 | 3.0 | 6.0 | 1.0 | -1.0 | 7.0 | 1.0 | 3.0 | 3.0 | -1.0 | 1.0 | 3.0 | 3.0 | 1.0 | 5.0 | 11.0 | 8.0 | 6.0 | 4.0 | 24 | 11.0 |
| 6 | 5.0 | 4.0 | 5.0 | 5.0 | 2.0 | 5.0 | 4.0 | 4.0 | 5.0 | 2.0 | 11.0 | 6.0 | 6.0 | 7.0 | 6.0 | 3.0 | 4.0 | 1.0 | 6.0 | 7.0 | 8.0 | 17.0 | 24.0 | 33.0 | 24 | 33.0 |
| 7 | 24.0 | 19.0 | 18.0 | 15.0 | 12.0 | 9.0 | 7.0 | 7.0 | 7.0 | 3.0 | 7.0 | 3.0 | 6.0 | 6.0 | 4.0 | 6.0 | 8.0 | 2.0 | 9.0 | 5.0 | 13.0 | 15.0 | 19.0 | 17.0 | 24 | 24.0 |
| 8 | 16.0 | 10.0 | 10.0 | 7.0 | 10.0 | 15.0 | 17.0 | 13.0 | 12.0 | 5.0 | 21.0 | 12.0 | 13.0 | 4.0 | 7.0 | 6.0 | 4.0 | 7.0 | 12.0 | 7.0 | 14.0 | 11.0 | 18.0 | 13.0 | 24 | 21.0 |
| 9 | 8.0 | 7.0 | 4.0 | 2.0 | 5.0 | 4.0 | 2.0 | 6.0 | 3.0 | 1.0 | 1.0 | 1.0 | 3.0 | 6.0 | 3.0 | 3.0 | -1.0 | 1.0 | 1.0 | -1.0 | 3.0 | .0 | 4.0 | 4.0 | 24 | 8.0 |
| 10 | 6.0 | 6.0 | 3.0 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 6.0 | 5.0 | 5.0 | 9.0 | 4.0 | 7.0 | 8.0 | 7.0 | 9.0 | 5.0 | 6.0 | 4.0 | 5.0 | 6.0 | .0 | 6.0 | 24 | 9.0 |
| 11 | 4.0 | 6.0 | 4.0 | 3.0 | 2.0 | 3.0 | 4.0 | 5.0 | .0 | 7.0 | AX | AX | BA | 5.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 21.0 | 8.0 | 8.0 | 11.0 | 21 | 21.0 |
| 12 | 9.0 | 4.0 | 8.0 | 5.0 | 6.0 | 7.0 | 6.0 | 5.0 | 7.0 | 6.0 | 7.0 | 7.0 | 6.0 | 10.0 | 14.0 | 9.0 | 10.0 | 12.0 | 8.0 | 10.0 | 14.0 | 13.0 | 14.0 | 17.0 | 24 | 17.0 |
| 13 | 11.0 | 4.0 | 1.0 | 6.0 | 6.0 | 2.0 | 1.0 | .0 | 4.0 | 3.0 | 9.0 | 7.0 | 10.0 | 6.0 | 4.0 | 3.0 | 4.0 | 6.0 | 3.0 | 3.0 | 5.0 | 4.0 | 7.0 | 2.0 | 24 | 11.0 |
| 14 | 2.0 | 3.0 | -1.0 | 3.0 | .0 | 3.0 | 1.0 | 4.0 | 1.0 | 2.0 | 2.0 | 4.0 | 5.0 | 3.0 | 5.0 | 6.0 | 3.0 | 5.0 | 2.0 | 9.0 | 3.0 | 6.0 | 2.0 | 5.0 | 24 | 9.0 |
| 15 | 2.0 | 6.0 | 10.0 | 8.0 | 9.0 | 8.0 | 6.0 | 11.0 | 5.0 | 4.0 | 4.0 | 7.0 | 8.0 | 9.0 | 7.0 | 8.0 | 7.0 | 6.0 | 7.0 | 7.0 | 4.0 | 3.0 | 4.0 | 4.0 | 24 | 11.0 |
| 16 | 6.0 | 7.0 | 2.0 | 7.0 | -1.0 | 12.0 | -1.0 | 4.0 | 1.0 | 2.0 | .0 | 7.0 | 7.0 | .0 | 1.0 | 5.0 | 3.0 | 5.0 | -1.0 | -1.0 | 1.0 | 3.0 | 4.0 | 6.0 | 24 | 12.0 |
| 17 | 4.0 | .0 | -1.0 | 4.0 | .0 | 2.0 | 1.0 | 3.0 | 1.0 | 4.0 | 11.0 | 5.0 | 9.0 | 3.0 | 6.0 | 7.0 | 4.0 | 3.0 | -1.0 | 1.0 | -1.0 | 5.0 | 1.0 | 3.0 | 24 | 11.0 |
| 18 | 3.0 | 4.0 | 5.0 | 6.0 | 5.0 | 9.0 | 5.0 | 7.0 | .0 | 10.0 | 11.0 | 9.0 | 5.0 | 6.0 | 7.0 | 10.0 | 4.0 | 5.0 | 3.0 | -3.0 | 3.0 | 4.0 | 2.0 | 5.0 | 24 | 11.0 |
| 19 | 13.0 | 12.0 | 12.0 | 11.0 | 13.0 | 13.0 | 10.0 | 9.0 | 4.0 | 12.0 | 12.0 | 12.0 | 14.0 | 14.0 | 9.0 | 13.0 | 10.0 | 7.0 | 5.0 | 4.0 | 9.0 | 9.0 | 5.0 | 8.0 | 24 | 14.0 |
| 20 | 8.0 | 9.0 | 9.0 | 9.0 | 11.0 | 12.0 | 8.0 | 7.0 | 11.0 | 13.0 | 23.0 | 20.0 | 19.0 | 12.0 | 20.0 | 20.0 | 19.0 | 20.0 | 20.0 | 17.0 | 20.0 | 22.0 | 22.0 | 19.0 | 24 | 23.0 |
| 21 | 20.0 | 20.0 | 17.0 | 19.0 | 18.0 | 26.0 | 25.0 | 20.0 | 18.0 | 22.0 | 23.0 | 23.0 | 18.0 | 16.0 | 15.0 | 5.0 | 17.0 | 21.0 | 16.0 | 19.0 | 18.0 | 15.0 | 12.0 | 15.0 | 24 | 26.0 |
| 22 | 17.0 | 17.0 | 15.0 | 15.0 | 16.0 | 17.0 | 16.0 | 16.0 | 13.0 | 11.0 | 14.0 | 11.0 | 14.0 | 13.0 | 15.0 | 16.0 | 12.0 | 19.0 | 17.0 | 19.0 | 9.0 | 8.0 | 14.0 | 6.0 | 24 | 19.0 |
| 23 | 8.0 | 3.0 | 6.0 | .0 | 4.0 | 4.0 | -1.0 | 1.0 | .0 | 1.0 | 3.0 | AX | AX | BA | BA | BA | 10.0 | 3.0 | 2.0 | 4.0 | 2.0 | 5.0 | 3.0 | 4.0 | 19 | 10.0 |
| 24 | 5.0 | 1.0 | .0 | .0 | 2.0 | -2.0 | 1.0 | 1.0 | -3.0 | 3.0 | 3.0 | 5.0 | 12.0 | 15.0 | 14.0 | 17.0 | 4.0 | 10.0 | 7.0 | -1.0 | -1.0 | -2.0 | -1.0 | 2.0 | 24 | 17.0 |
| 25 | -1.0 | -1.0 | -1.0 | -2.0 | -1.0 | -2.0 | .0 | -4.0 | -5.0 | 2.0 | AZ | AZ | AZ | BA | BA | .0 | 2.0 | -1.0 | 1.0 | 4.0 | 1.0 | 3.0 | 2.0 | -3.0 | 19 | 4.0 |
| 26 | 1.0 | -1.0 | 2.0 | 2.0 | .0 | .0 | -2.0 | -2.0 | 2.0 | 4.0 | 3.0 | 3.0 | 5.0 | -3.0 | 5.0 | 2.0 | 3.0 | 2.0 | 4.0 | .0 | 1.0 | 6.0 | 10.0 | 23.0 | 24 | 23.0 |
| 27 | 14.0 | 11.0 | 13.0 | 7.0 | 14.0 | 9.0 | 10.0 | 13.0 | 4.0 | 17.0 | 12.0 | 13.0 | 8.0 | 9.0 | 7.0 | 9.0 | 5.0 | 6.0 | 4.0 | 1.0 | 19.0 | 32.0 | 33.0 | 31.0 | 24 | 33.0 |
| 28 | 44.0 | 29.0 | 22.0 | 19.0 | 16.0 | 13.0 | 12.0 | 14.0 | 5.0 | 14.0 | 20.0 | 14.0 | 14.0 | 9.0 | 8.0 | 3.0 | 7.0 | 8.0 | 1.0 | 4.0 | 7.0 | 8.0 | 9.0 | 10.0 | 24 | 44.0 |
| 29 | 10.0 | 10.0 | 10.0 | 11.0 | 11.0 | 15.0 | 13.0 | 13.0 | 11.0 | 14.0 | 15.0 | 14.0 | 12.0 | 8.0 | 11.0 | 2.0 | 3.0 | 4.0 | -5.0 | -3.0 | 2.0 | 5.0 | 14.0 | 14.0 | 24 | 15.0 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 27 | 25 | 25 | 26 | 26 | 27 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | | |
| MAX: | 44.0 | 29.0 | 22.0 | 19.0 | 18.0 | 26.0 | 25.0 | 20.0 | 18.0 | 22.0 | 23.0 | 23.0 | 19.0 | 16.0 | 20.0 | 20.0 | 19.0 | 21.0 | 20.0 | 19.0 | 21.0 | 32.0 | 33.0 | 33.0 | | |
| AVG: | 9.41 | 7.55 | 7.24 | 6.62 | 6.79 | 7.48 | 6.07 | 6.86 | 4.79 | 6.79 | 9.41 | 8.48 | 9.08 | 7.38 | 7.92 | 7.04 | 6.52 | 6.17 | 5.34 | 5.10 | 7.34 | 8.34 | 9.21 | 10.14 | | |

MONTHLY OBSERVATIONS: 678 MONTHLY MEAN: 7.36 MONTHLY MAX: 44.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-081-0013 POC: 3
COUNTY: (081) Guilford
CITY: (28000) Greensboro
SITE ADDRESS: 205 WILOUGHBY BLVD
SITE COMMENTS: MONITOR LOCATION MIDDLE OF PLAY FIELD
MONITOR COMMENTS: ID2=411?

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (3115) GREENSBORO, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 36.109167
LONGITUDE: -79.801111
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 247
PROBE HEIGHT: 2.06

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MARCH 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13.0 | 14.0 | 5.0 | 12.0 | 7.0 | 8.0 | 5.0 | 4.0 | -2.0 | 18.0 | 14.0 | 22.0 | 20.0 | 13.0 | 9.0 | 12.0 | 15.0 | 7.0 | 10.0 | 10.0 | 12.0 | 18.0 | 20.0 | 20.0 | 24 | 22.0 |
| 2 | 15.0 | 10.0 | -5.0 | 2.0 | 3.0 | 1.0 | -1.0 | 1.0 | 3.0 | 6.0 | -2.0 | -4.0 | -1.0 | 3.0 | 5.0 | 4.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 4.0 | 3.0 | 9.0 | 24 | 15.0 |
| 3 | 5.0 | 1.0 | 2.0 | .0 | 1.0 | 1.0 | 6.0 | 6.0 | 5.0 | 5.0 | 7.0 | AX | AX | AX | BA | BA | 7.0 | 4.0 | 8.0 | 2.0 | 10.0 | 5.0 | 6.0 | 8.0 | 19 | 10.0 |
| 4 | 6.0 | 3.0 | 7.0 | 8.0 | 9.0 | 9.0 | 13.0 | 12.0 | 9.0 | 10.0 | 5.0 | 5.0 | 7.0 | 2.0 | -3.0 | 9.0 | 5.0 | .0 | 5.0 | -2.0 | 2.0 | 2.0 | 3.0 | 1.0 | 24 | 13.0 |
| 5 | 4.0 | 6.0 | 7.0 | 10.0 | 4.0 | 3.0 | 7.0 | 2.0 | -4.0 | 6.0 | 9.0 | 7.0 | 7.0 | 4.0 | 2.0 | 3.0 | 7.0 | 3.0 | 5.0 | 12.0 | 12.0 | 4.0 | 7.0 | 18.0 | 24 | 18.0 |
| 6 | 15.0 | 15.0 | 14.0 | 13.0 | 12.0 | 13.0 | 13.0 | 9.0 | .0 | 5.0 | 5.0 | 6.0 | 3.0 | -1.0 | 5.0 | .0 | 3.0 | .0 | 3.0 | 3.0 | 1.0 | 12.0 | 20.0 | 14.0 | 24 | 20.0 |
| 7 | 17.0 | 9.0 | 8.0 | 5.0 | 8.0 | 7.0 | 8.0 | 9.0 | 10.0 | 14.0 | 10.0 | 10.0 | 9.0 | 9.0 | 8.0 | 9.0 | 6.0 | 5.0 | 9.0 | 8.0 | 10.0 | 10.0 | 10.0 | 11.0 | 24 | 17.0 |
| 8 | 10.0 | 8.0 | 10.0 | 9.0 | 9.0 | 7.0 | 12.0 | 11.0 | 6.0 | 14.0 | 17.0 | 14.0 | 12.0 | 13.0 | 12.0 | 8.0 | 8.0 | 8.0 | 9.0 | 7.0 | 15.0 | 9.0 | 10.0 | 10.0 | 24 | 17.0 |
| 9 | 11.0 | 10.0 | 12.0 | 15.0 | 13.0 | 14.0 | 14.0 | 12.0 | 8.0 | 10.0 | 7.0 | 10.0 | 10.0 | 7.0 | 4.0 | 15.0 | 19.0 | 13.0 | 16.0 | 6.0 | 8.0 | 10.0 | 10.0 | 5.0 | 24 | 19.0 |
| 10 | 8.0 | 8.0 | 8.0 | 10.0 | 6.0 | 6.0 | 8.0 | 3.0 | 7.0 | 6.0 | 8.0 | 5.0 | 12.0 | 9.0 | 13.0 | 13.0 | 12.0 | 13.0 | 6.0 | 8.0 | 11.0 | 17.0 | 16.0 | 12.0 | 24 | 17.0 |
| 11 | 13.0 | 12.0 | 12.0 | 10.0 | 13.0 | 13.0 | 11.0 | 14.0 | 10.0 | 14.0 | 12.0 | 19.0 | 16.0 | 10.0 | 9.0 | 8.0 | 11.0 | 5.0 | 1.0 | 5.0 | 9.0 | 12.0 | 11.0 | 12.0 | 24 | 19.0 |
| 12 | 14.0 | 16.0 | 16.0 | 16.0 | 17.0 | 10.0 | 7.0 | 7.0 | 1.0 | 3.0 | 2.0 | 6.0 | 9.0 | 13.0 | 16.0 | 14.0 | 16.0 | 17.0 | 14.0 | 13.0 | 17.0 | 15.0 | 19.0 | 19.0 | 24 | 19.0 |
| 13 | 13.0 | 14.0 | 13.0 | 12.0 | 14.0 | 13.0 | 8.0 | 7.0 | 10.0 | 13.0 | 10.0 | 10.0 | 12.0 | 10.0 | 13.0 | 7.0 | 14.0 | 14.0 | 12.0 | 14.0 | 8.0 | 10.0 | 12.0 | 12.0 | 24 | 14.0 |
| 14 | 7.0 | 5.0 | 6.0 | 5.0 | 5.0 | 4.0 | 6.0 | 6.0 | 6.0 | 6.0 | 7.0 | 9.0 | 7.0 | 20.0 | 13.0 | 11.0 | 17.0 | 13.0 | 13.0 | 7.0 | 6.0 | 9.0 | 11.0 | 1.0 | 24 | 20.0 |
| 15 | 2.0 | 1.0 | 2.0 | .0 | -1.0 | 4.0 | 3.0 | 1.0 | AX | AX | AX | BA | BA | 6.0 | 5.0 | 6.0 | 5.0 | 6.0 | .0 | 1.0 | 3.0 | 9.0 | 12.0 | 16.0 | 19 | 16.0 |
| 16 | 11.0 | 10.0 | 8.0 | 10.0 | 9.0 | 5.0 | 10.0 | 9.0 | 6.0 | 22.0 | 23.0 | 23.0 | 25.0 | 23.0 | 13.0 | 11.0 | 10.0 | 1.0 | 1.0 | 5.0 | -4.0 | 3.0 | 2.0 | 2.0 | 24 | 25.0 |
| 17 | 1.0 | 3.0 | 3.0 | .0 | .0 | 3.0 | 1.0 | 1.0 | -5.0 | 11.0 | 9.0 | 8.0 | 5.0 | 5.0 | 7.0 | 6.0 | 7.0 | 6.0 | 1.0 | 3.0 | 3.0 | 8.0 | 7.0 | 6.0 | 24 | 11.0 |
| 18 | 4.0 | 6.0 | 4.0 | 4.0 | 2.0 | 3.0 | 6.0 | 1.0 | -5.0 | 9.0 | 6.0 | 6.0 | 3.0 | 5.0 | 3.0 | 6.0 | 4.0 | 4.0 | 1.0 | .0 | 8.0 | 17.0 | 19.0 | 17.0 | 24 | 19.0 |
| 19 | 14.0 | 15.0 | 17.0 | 16.0 | 11.0 | 10.0 | 9.0 | 13.0 | 10.0 | 11.0 | 3.0 | 4.0 | 2.0 | 3.0 | 8.0 | 2.0 | 4.0 | 3.0 | 7.0 | 5.0 | 2.0 | 3.0 | 7.0 | 2.0 | 24 | 17.0 |
| 20 | 6.0 | 5.0 | 4.0 | 4.0 | 5.0 | 3.0 | 4.0 | 4.0 | 5.0 | 8.0 | 1.0 | 8.0 | 5.0 | 4.0 | 3.0 | 5.0 | 10.0 | 8.0 | 9.0 | 8.0 | 11.0 | 2.0 | 5.0 | 7.0 | 24 | 11.0 |
| 21 | 9.0 | 10.0 | 10.0 | 6.0 | 6.0 | 8.0 | 6.0 | 2.0 | .0 | 7.0 | 9.0 | 5.0 | 5.0 | 4.0 | 5.0 | 6.0 | 6.0 | 1.0 | 2.0 | 1.0 | 2.0 | 3.0 | 3.0 | 2.0 | 24 | 10.0 |
| 22 | 5.0 | 2.0 | 3.0 | 6.0 | 8.0 | 4.0 | 6.0 | 5.0 | .0 | 18.0 | 12.0 | 8.0 | 10.0 | 9.0 | 8.0 | 12.0 | 9.0 | 7.0 | 4.0 | 2.0 | 5.0 | 4.0 | 9.0 | 11.0 | 24 | 18.0 |
| 23 | 12.0 | 16.0 | 14.0 | 15.0 | 14.0 | 17.0 | 15.0 | 14.0 | 14.0 | 20.0 | 16.0 | 17.0 | 14.0 | 11.0 | 8.0 | 7.0 | 7.0 | 7.0 | 4.0 | 4.0 | 3.0 | 8.0 | 9.0 | 11.0 | 24 | 20.0 |
| 24 | 13.0 | 11.0 | 11.0 | 13.0 | 17.0 | 13.0 | 15.0 | 11.0 | 14.0 | 15.0 | 24.0 | 21.0 | 17.0 | 15.0 | 16.0 | 14.0 | 11.0 | 9.0 | 4.0 | 5.0 | 3.0 | 8.0 | 6.0 | 7.0 | 24 | 24.0 |
| 25 | 7.0 | 4.0 | 7.0 | 9.0 | 8.0 | 9.0 | 8.0 | 6.0 | 11.0 | 13.0 | 10.0 | 12.0 | 12.0 | 11.0 | 13.0 | 9.0 | 7.0 | 9.0 | 6.0 | 3.0 | 4.0 | 8.0 | 7.0 | 7.0 | 24 | 13.0 |
| 26 | 9.0 | 8.0 | 9.0 | 11.0 | 9.0 | 9.0 | 9.0 | 6.0 | 10.0 | 14.0 | 14.0 | 10.0 | 12.0 | 10.0 | 12.0 | 11.0 | 9.0 | 11.0 | 13.0 | 11.0 | 11.0 | 10.0 | 8.0 | 11.0 | 24 | 14.0 |
| 27 | 13.0 | 15.0 | 10.0 | 8.0 | 10.0 | 9.0 | 4.0 | 8.0 | 6.0 | 7.0 | 7.0 | 5.0 | 1.0 | 6.0 | 1.0 | 3.0 | 4.0 | 7.0 | 5.0 | 4.0 | .0 | 7.0 | 4.0 | -1.0 | 24 | 15.0 |
| 28 | -1.0 | 1.0 | -1.0 | .0 | -1.0 | -1.0 | 1.0 | 3.0 | 2.0 | 2.0 | 5.0 | 12.0 | 8.0 | 7.0 | 5.0 | 6.0 | 1.0 | 1.0 | -2.0 | -3.0 | -3.0 | .0 | 3.0 | -1.0 | 24 | 12.0 |
| 29 | 2.0 | 5.0 | 2.0 | 5.0 | 4.0 | 2.0 | 4.0 | 1.0 | 5.0 | 12.0 | 8.0 | 8.0 | 12.0 | 5.0 | 11.0 | 7.0 | 7.0 | 5.0 | 3.0 | .0 | -1.0 | 3.0 | 8.0 | 11.0 | 24 | 12.0 |
| 30 | 8.0 | 5.0 | 4.0 | 4.0 | 2.0 | 3.0 | 7.0 | 3.0 | 7.0 | 8.0 | 14.0 | 11.0 | 12.0 | 4.0 | 8.0 | 9.0 | 10.0 | 6.0 | 9.0 | 7.0 | 6.0 | 8.0 | 4.0 | 4.0 | 24 | 14.0 |
| 31 | 8.0 | 4.0 | 3.0 | 6.0 | 5.0 | 5.0 | 6.0 | .0 | 9.0 | 11.0 | 7.0 | 9.0 | 8.0 | 11.0 | 8.0 | 14.0 | 13.0 | 13.0 | 9.0 | 8.0 | 9.0 | 3.0 | 5.0 | 6.0 | 24 | 14.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 29 | 29 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 17.0 | 16.0 | 17.0 | 16.0 | 17.0 | 17.0 | 15.0 | 14.0 | 14.0 | 22.0 | 24.0 | 23.0 | 25.0 | 23.0 | 16.0 | 15.0 | 19.0 | 17.0 | 16.0 | 14.0 | 17.0 | 18.0 | 20.0 | 20.0 | | |
| AVG: | 8.84 | 8.13 | 7.26 | 7.87 | 7.39 | 6.94 | 7.45 | 6.16 | 5.27 | 10.60 | 9.30 | 9.86 | 9.45 | 8.37 | 8.00 | 8.23 | 8.55 | 6.65 | 6.06 | 5.06 | 5.94 | 7.77 | 8.90 | 8.71 | | |

MONTHLY OBSERVATIONS: 734 MONTHLY MEAN: 7.77 MONTHLY MAX: 25.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-081-0013 POC: 3
COUNTY: (081) Guilford
CITY: (28000) Greensboro
SITE ADDRESS: 205 WILOUGHBY BLVD
SITE COMMENTS: MONITOR LOCATION MIDDLE OF PLAY FIELD
MONITOR COMMENTS: ID2=411?

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (3115) GREENSBORO, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 36.109167
LONGITUDE: -79.801111
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 247
PROBE HEIGHT: 2.06

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: APRIL 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.0 | 9.0 | 5.0 | 7.0 | 8.0 | 7.0 | 6.0 | 4.0 | 6.0 | 3.0 | AX | BA | BA | 1.0 | 10.0 | 7.0 | 3.0 | 4.0 | 5.0 | 5.0 | 3.0 | 1.0 | 3.0 | 4.0 | 21 | 10.0 |
| 2 | 2.0 | 3.0 | 6.0 | 4.0 | 5.0 | 3.0 | 6.0 | 6.0 | .0 | 3.0 | .0 | 8.0 | 6.0 | 2.0 | 5.0 | 8.0 | .0 | 3.0 | 6.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 24 | 8.0 |
| 3 | 3.0 | 3.0 | 5.0 | .0 | 2.0 | 2.0 | 3.0 | -3.0 | 2.0 | 2.0 | 1.0 | .0 | 2.0 | 1.0 | 3.0 | 2.0 | 2.0 | 3.0 | 3.0 | 1.0 | 1.0 | 6.0 | 7.0 | 6.0 | 24 | 7.0 |
| 4 | 4.0 | 7.0 | 2.0 | 2.0 | 1.0 | 4.0 | 5.0 | -3.0 | 4.0 | 11.0 | 7.0 | 5.0 | 6.0 | 3.0 | 6.0 | 6.0 | 7.0 | 4.0 | 6.0 | 2.0 | 4.0 | 8.0 | 8.0 | 9.0 | 24 | 11.0 |
| 5 | 6.0 | 7.0 | 13.0 | 7.0 | 6.0 | 7.0 | 2.0 | 4.0 | 1.0 | 3.0 | 7.0 | 6.0 | 2.0 | 3.0 | 2.0 | 5.0 | 6.0 | 5.0 | 6.0 | 4.0 | 5.0 | 2.0 | 5.0 | 6.0 | 24 | 13.0 |
| 6 | 6.0 | 5.0 | 4.0 | 5.0 | 5.0 | 1.0 | 7.0 | .0 | 7.0 | 9.0 | 7.0 | 6.0 | 7.0 | 5.0 | 5.0 | 5.0 | 5.0 | 2.0 | 3.0 | 5.0 | 4.0 | 6.0 | 5.0 | 7.0 | 24 | 9.0 |
| 7 | 6.0 | 8.0 | 5.0 | 6.0 | 8.0 | 4.0 | -1.0 | .0 | .0 | AX | AX | BA | BA | BC | BC | 5.0 | 8.0 | 3.0 | 3.0 | 2.0 | -1.0 | 2.0 | 1.0 | .0 | 18 | 8.0 |
| 8 | .0 | .0 | 3.0 | 3.0 | .0 | 5.0 | 3.0 | -3.0 | 7.0 | 6.0 | 5.0 | 7.0 | 4.0 | .0 | 3.0 | .0 | 6.0 | 1.0 | 1.0 | 3.0 | 4.0 | 5.0 | 1.0 | 3.0 | 24 | 7.0 |
| 9 | 2.0 | 1.0 | 1.0 | 1.0 | 3.0 | 4.0 | 1.0 | 1.0 | 1.0 | 4.0 | 4.0 | 1.0 | 1.0 | AV | AV | 3.0 | 1.0 | 3.0 | 7.0 | .0 | 2.0 | 1.0 | 1.0 | 2.0 | 22 | 7.0 |
| 10 | 3.0 | 2.0 | 2.0 | 2.0 | -1.0 | -1.0 | 3.0 | -3.0 | 5.0 | 4.0 | 1.0 | 6.0 | 5.0 | 5.0 | 6.0 | 6.0 | 2.0 | 4.0 | 4.0 | 4.0 | 5.0 | 7.0 | 4.0 | 4.0 | 24 | 7.0 |
| 11 | 4.0 | 4.0 | 6.0 | 4.0 | 4.0 | 5.0 | 2.0 | 4.0 | 3.0 | 6.0 | 4.0 | 7.0 | 8.0 | 6.0 | 9.0 | 13.0 | 10.0 | 6.0 | 6.0 | 5.0 | 5.0 | 8.0 | 10.0 | 10.0 | 24 | 13.0 |
| 12 | 8.0 | 9.0 | 11.0 | 11.0 | 4.0 | 5.0 | 3.0 | 7.0 | 7.0 | 7.0 | 4.0 | 5.0 | 7.0 | 5.0 | 6.0 | 10.0 | 14.0 | 8.0 | 13.0 | 3.0 | -1.0 | 2.0 | .0 | 3.0 | 24 | 14.0 |
| 13 | 5.0 | 6.0 | 6.0 | 6.0 | 5.0 | 6.0 | 3.0 | .0 | 5.0 | 6.0 | 4.0 | AX | BA | BA | BC | 8.0 | 2.0 | 6.0 | 5.0 | 7.0 | 6.0 | 5.0 | 8.0 | 7.0 | 20 | 8.0 |
| 14 | 9.0 | 5.0 | 7.0 | 9.0 | 7.0 | 9.0 | 5.0 | 5.0 | 6.0 | 7.0 | 7.0 | 8.0 | 6.0 | 6.0 | 6.0 | 11.0 | 15.0 | 10.0 | 9.0 | 3.0 | 5.0 | 9.0 | 9.0 | 5.0 | 24 | 15.0 |
| 15 | 4.0 | 5.0 | 6.0 | 3.0 | 1.0 | 4.0 | 1.0 | 1.0 | 3.0 | 6.0 | 9.0 | 11.0 | 7.0 | 7.0 | 5.0 | 6.0 | 3.0 | 4.0 | 7.0 | 4.0 | 1.0 | 4.0 | 7.0 | 7.0 | 24 | 11.0 |
| 16 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 19.0 | 4.0 | -1.0 | .0 | 7.0 | 7.0 | 6.0 | 5.0 | 4.0 | 4.0 | 6.0 | 4.0 | 2.0 | 6.0 | .0 | 3.0 | 5.0 | 8.0 | 12.0 | 24 | 19.0 |
| 17 | 8.0 | 8.0 | 11.0 | 8.0 | 13.0 | 8.0 | 10.0 | 5.0 | 11.0 | 12.0 | 12.0 | 9.0 | 8.0 | 7.0 | 8.0 | 9.0 | 5.0 | 6.0 | 6.0 | 2.0 | 5.0 | 9.0 | 11.0 | 10.0 | 24 | 13.0 |
| 18 | 14.0 | 12.0 | 12.0 | 10.0 | 10.0 | 10.0 | 8.0 | 4.0 | 11.0 | 20.0 | 18.0 | 16.0 | 8.0 | 7.0 | 11.0 | 9.0 | 3.0 | 8.0 | 6.0 | -1.0 | -1.0 | 5.0 | 13.0 | 8.0 | 24 | 20.0 |
| 19 | 5.0 | 10.0 | 6.0 | 7.0 | 8.0 | 8.0 | 8.0 | 8.0 | 9.0 | 16.0 | 18.0 | 14.0 | 14.0 | 8.0 | 10.0 | 10.0 | 4.0 | 9.0 | 7.0 | 4.0 | 4.0 | 11.0 | 8.0 | 11.0 | 24 | 18.0 |
| 20 | 10.0 | 13.0 | 17.0 | 13.0 | 8.0 | 8.0 | 2.0 | 3.0 | 7.0 | 10.0 | 8.0 | 5.0 | 6.0 | 7.0 | 4.0 | 7.0 | 6.0 | 10.0 | 9.0 | 5.0 | 8.0 | 9.0 | 8.0 | 11.0 | 24 | 17.0 |
| 21 | 8.0 | 11.0 | 14.0 | 14.0 | 15.0 | 20.0 | 21.0 | 19.0 | 19.0 | 16.0 | AX | BA | BC | 17.0 | 12.0 | 14.0 | 12.0 | 7.0 | 11.0 | 11.0 | 12.0 | 14.0 | 11.0 | 13.0 | 21 | 21.0 |
| 22 | 13.0 | 13.0 | 12.0 | 9.0 | 11.0 | 9.0 | 10.0 | 14.0 | 14.0 | 8.0 | 7.0 | 6.0 | 11.0 | 14.0 | 8.0 | 12.0 | 9.0 | 6.0 | 4.0 | 3.0 | 4.0 | 4.0 | 3.0 | 6.0 | 24 | 14.0 |
| 23 | 6.0 | 6.0 | 10.0 | 8.0 | 4.0 | 5.0 | 7.0 | 3.0 | 5.0 | 5.0 | 9.0 | 5.0 | 8.0 | 6.0 | .0 | 2.0 | 4.0 | .0 | 7.0 | 1.0 | .0 | 3.0 | 4.0 | 4.0 | 24 | 10.0 |
| 24 | 6.0 | 6.0 | 7.0 | 8.0 | 7.0 | 7.0 | 7.0 | 5.0 | 11.0 | 9.0 | 9.0 | 9.0 | 5.0 | 5.0 | 7.0 | 10.0 | 11.0 | 7.0 | 7.0 | 3.0 | 6.0 | 8.0 | 6.0 | 7.0 | 24 | 11.0 |
| 25 | 6.0 | 7.0 | 7.0 | 6.0 | 9.0 | 9.0 | 11.0 | 8.0 | 11.0 | 8.0 | 13.0 | 11.0 | 9.0 | 8.0 | 6.0 | 10.0 | 7.0 | 7.0 | 11.0 | 6.0 | 7.0 | 7.0 | 10.0 | 12.0 | 24 | 13.0 |
| 26 | 10.0 | 10.0 | 10.0 | 8.0 | 10.0 | 12.0 | 11.0 | 7.0 | 10.0 | 10.0 | 11.0 | 14.0 | 14.0 | 12.0 | 10.0 | 11.0 | 7.0 | 13.0 | 11.0 | 9.0 | 9.0 | 9.0 | 11.0 | 10.0 | 24 | 14.0 |
| 27 | 12.0 | 15.0 | 14.0 | 12.0 | 14.0 | 12.0 | 9.0 | 10.0 | 21.0 | 18.0 | 16.0 | 18.0 | 16.0 | 15.0 | 13.0 | 12.0 | 15.0 | 18.0 | 6.0 | 11.0 | 15.0 | 10.0 | 12.0 | 18.0 | 24 | 21.0 |
| 28 | 12.0 | 11.0 | 11.0 | 12.0 | 10.0 | 7.0 | 11.0 | 16.0 | 17.0 | 17.0 | 16.0 | 20.0 | 20.0 | 18.0 | 17.0 | 22.0 | 12.0 | 18.0 | .0 | 8.0 | 7.0 | 7.0 | 9.0 | 7.0 | 24 | 22.0 |
| 29 | 13.0 | 2.0 | 2.0 | 3.0 | 3.0 | 5.0 | 5.0 | 2.0 | .0 | 3.0 | 9.0 | 9.0 | 7.0 | 6.0 | 5.0 | 6.0 | 9.0 | 7.0 | 5.0 | 7.0 | 7.0 | 6.0 | 9.0 | 12.0 | 24 | 13.0 |
| 30 | 13.0 | 9.0 | 9.0 | 8.0 | 7.0 | 7.0 | 3.0 | 4.0 | 6.0 | 7.0 | 8.0 | 3.0 | 5.0 | 6.0 | 5.0 | 5.0 | 8.0 | 8.0 | 5.0 | 9.0 | 8.0 | 13.0 | 8.0 | 5.0 | 24 | 13.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 27 | 26 | 26 | 27 | 27 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 14.0 | 15.0 | 17.0 | 14.0 | 15.0 | 20.0 | 21.0 | 19.0 | 21.0 | 20.0 | 18.0 | 20.0 | 20.0 | 18.0 | 17.0 | 22.0 | 15.0 | 18.0 | 13.0 | 11.0 | 15.0 | 14.0 | 13.0 | 18.0 | | |
| AVG: | 6.93 | 6.93 | 7.53 | 6.57 | 6.27 | 7.03 | 5.87 | 4.23 | 6.97 | 8.38 | 8.19 | 8.27 | 7.58 | 6.81 | 6.89 | 8.00 | 6.67 | 6.40 | 6.17 | 4.27 | 4.67 | 6.27 | 6.73 | 7.37 | | |

MONTHLY OBSERVATIONS: 702 MONTHLY MEAN: 6.68 MONTHLY MAX: 22.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-081-0013 POC: 3
COUNTY: (081) Guilford
CITY: (28000) Greensboro
SITE ADDRESS: 205 WILOUGHBY BLVD
SITE COMMENTS: MONITOR LOCATION MIDDLE OF PLAY FIELD
MONITOR COMMENTS: ID2=411?

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (3115) GREENSBORO, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 36.109167
LONGITUDE: -79.801111
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 247
PROBE HEIGHT: 2.06

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MAY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.0 | 5.0 | 9.0 | 13.0 | 11.0 | 8.0 | 6.0 | 6.0 | 9.0 | 9.0 | 5.0 | 2.0 | 6.0 | 4.0 | 7.0 | 11.0 | 14.0 | 9.0 | 6.0 | 7.0 | 7.0 | 5.0 | 6.0 | 2.0 | 24 | 14.0 |
| 2 | 7.0 | 7.0 | 8.0 | 6.0 | 8.0 | 7.0 | 3.0 | 6.0 | 8.0 | 3.0 | 14.0 | 13.0 | 12.0 | 6.0 | 9.0 | 11.0 | 12.0 | -4.0 | 5.0 | 4.0 | 8.0 | 9.0 | 14.0 | -3.0 | 24 | 14.0 |
| 3 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 1.0 | 2.0 | -1.0 | -1.0 | -1.0 | 5.0 | 8.0 | 7.0 | 7.0 | 7.0 | -4.0 | -3.0 | 5.0 | 7.0 | 7.0 | 7.0 | 6.0 | 4.0 | 24 | 8.0 |
| 4 | 5.0 | 7.0 | 7.0 | 9.0 | 6.0 | 8.0 | 4.0 | 3.0 | 8.0 | 1.0 | 6.0 | 7.0 | 8.0 | 8.0 | 5.0 | 5.0 | 8.0 | 6.0 | 7.0 | 7.0 | 8.0 | 8.0 | 7.0 | 10.0 | 24 | 10.0 |
| 5 | 10.0 | 9.0 | 11.0 | 8.0 | 7.0 | 7.0 | 2.0 | 7.0 | 4.0 | 2.0 | 3.0 | 2.0 | 3.0 | .0 | 2.0 | -1.0 | 1.0 | 4.0 | 4.0 | 1.0 | 1.0 | 5.0 | 4.0 | 2.0 | 24 | 11.0 |
| 6 | 2.0 | 2.0 | 2.0 | 4.0 | 5.0 | 2.0 | 5.0 | 4.0 | 5.0 | 1.0 | 4.0 | 14.0 | 3.0 | 6.0 | .0 | 5.0 | 4.0 | 3.0 | 7.0 | 6.0 | 4.0 | 5.0 | 5.0 | 6.0 | 24 | 14.0 |
| 7 | 10.0 | 7.0 | 5.0 | 6.0 | 5.0 | 5.0 | 7.0 | -1.0 | 8.0 | 12.0 | 11.0 | 8.0 | 7.0 | 12.0 | 9.0 | 2.0 | 13.0 | 8.0 | 9.0 | 5.0 | 5.0 | 8.0 | 8.0 | 8.0 | 24 | 13.0 |
| 8 | 11.0 | 8.0 | 11.0 | 10.0 | 11.0 | 11.0 | 11.0 | 5.0 | 8.0 | 15.0 | 13.0 | 11.0 | 13.0 | 5.0 | 8.0 | 11.0 | 6.0 | 9.0 | 5.0 | 2.0 | 7.0 | 9.0 | 7.0 | 12.0 | 24 | 15.0 |
| 9 | 10.0 | 13.0 | 13.0 | 14.0 | 15.0 | 10.0 | 14.0 | 12.0 | 16.0 | 25.0 | 22.0 | AX | AX | BA | BA | BA | 20.0 | 14.0 | 13.0 | 17.0 | 16.0 | 18.0 | 17.0 | 19.0 | 19 | 25.0 |
| 10 | 20.0 | 16.0 | 16.0 | 15.0 | 13.0 | 15.0 | 13.0 | 11.0 | 15.0 | 14.0 | 15.0 | AX | AX | BA | BA | BC | BC | 14.0 | 17.0 | 16.0 | 15.0 | 16.0 | 17.0 | 12.0 | 18 | 20.0 |
| 11 | 15.0 | 12.0 | 13.0 | 13.0 | 15.0 | 15.0 | 15.0 | 16.0 | 19.0 | 20.0 | 17.0 | 19.0 | 19.0 | 19.0 | 19.0 | 16.0 | 15.0 | 14.0 | 21.0 | 8.0 | 9.0 | 10.0 | 12.0 | 12.0 | 24 | 21.0 |
| 12 | 12.0 | 15.0 | 24.0 | 28.0 | 23.0 | 19.0 | 21.0 | 22.0 | 13.0 | 16.0 | 14.0 | 15.0 | 19.0 | 21.0 | 18.0 | 15.0 | 15.0 | 15.0 | 17.0 | -3.0 | 5.0 | 7.0 | 7.0 | 9.0 | 24 | 28.0 |
| 13 | 9.0 | 7.0 | 9.0 | 9.0 | 6.0 | 11.0 | 8.0 | 11.0 | 10.0 | 10.0 | 12.0 | 4.0 | 6.0 | 6.0 | 4.0 | 8.0 | 4.0 | 5.0 | 3.0 | 3.0 | 5.0 | 6.0 | 11.0 | 12.0 | 24 | 12.0 |
| 14 | 7.0 | 8.0 | 9.0 | 7.0 | 3.0 | 5.0 | 7.0 | -3.0 | 5.0 | 13.0 | 9.0 | 5.0 | 7.0 | 7.0 | 6.0 | 8.0 | 10.0 | -3.0 | 4.0 | 10.0 | 6.0 | 3.0 | 1.0 | 2.0 | 24 | 13.0 |
| 15 | .0 | 1.0 | 2.0 | 5.0 | 4.0 | .0 | 1.0 | -2.0 | 2.0 | 4.0 | 4.0 | 5.0 | 4.0 | 2.0 | 3.0 | 3.0 | 4.0 | 1.0 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 | 6.0 | 24 | 6.0 |
| 16 | 3.0 | 2.0 | 7.0 | 3.0 | 5.0 | 3.0 | 2.0 | -4.0 | 6.0 | 6.0 | 6.0 | 8.0 | 5.0 | 3.0 | 2.0 | 8.0 | 7.0 | 9.0 | 10.0 | 1.0 | 5.0 | 4.0 | 7.0 | 6.0 | 24 | 10.0 |
| 17 | 7.0 | 9.0 | 10.0 | 9.0 | 9.0 | 11.0 | 11.0 | 6.0 | 11.0 | 10.0 | 7.0 | 7.0 | 8.0 | 9.0 | 9.0 | 8.0 | 9.0 | 11.0 | 11.0 | 9.0 | 7.0 | 6.0 | 4.0 | 10.0 | 24 | 11.0 |
| 18 | 8.0 | 5.0 | 5.0 | 12.0 | 7.0 | 4.0 | 4.0 | 4.0 | 3.0 | 4.0 | 3.0 | 4.0 | 1.0 | 2.0 | 6.0 | 6.0 | 8.0 | 7.0 | 6.0 | 5.0 | 6.0 | 5.0 | 5.0 | 7.0 | 24 | 12.0 |
| 19 | 6.0 | 6.0 | 9.0 | 9.0 | 9.0 | 13.0 | 8.0 | 12.0 | 9.0 | 13.0 | 13.0 | 14.0 | 11.0 | 12.0 | 15.0 | 11.0 | 13.0 | 7.0 | 8.0 | 9.0 | 9.0 | 9.0 | 11.0 | 10.0 | 24 | 15.0 |
| 20 | 11.0 | 10.0 | 8.0 | 9.0 | 8.0 | 9.0 | 9.0 | 8.0 | 7.0 | 13.0 | 7.0 | 7.0 | 9.0 | 8.0 | 3.0 | 7.0 | 9.0 | 12.0 | 8.0 | 8.0 | 9.0 | 13.0 | 9.0 | 9.0 | 24 | 13.0 |
| 21 | 6.0 | 4.0 | 6.0 | 6.0 | 7.0 | 2.0 | .0 | 3.0 | 5.0 | 3.0 | 6.0 | 3.0 | 8.0 | 8.0 | 3.0 | 14.0 | 24.0 | -3.0 | 2.0 | 10.0 | 7.0 | 6.0 | 8.0 | 4.0 | 24 | 24.0 |
| 22 | 6.0 | 3.0 | 7.0 | 3.0 | 5.0 | 5.0 | 3.0 | 4.0 | 5.0 | 1.0 | 6.0 | 9.0 | 4.0 | 3.0 | 6.0 | 10.0 | 22.0 | 1.0 | 12.0 | 5.0 | 4.0 | 2.0 | 5.0 | 4.0 | 24 | 22.0 |
| 23 | 4.0 | 7.0 | 5.0 | 6.0 | 8.0 | 5.0 | 9.0 | 8.0 | 7.0 | 5.0 | AV | AV | 4.0 | 3.0 | 6.0 | 7.0 | 10.0 | 9.0 | 3.0 | 8.0 | 7.0 | 4.0 | 3.0 | 6.0 | 22 | 10.0 |
| 24 | 7.0 | 3.0 | 8.0 | 4.0 | 8.0 | 9.0 | 6.0 | 2.0 | 9.0 | 10.0 | 16.0 | 16.0 | 13.0 | 10.0 | 11.0 | 15.0 | 10.0 | 10.0 | 8.0 | 8.0 | 4.0 | 5.0 | 10.0 | 11.0 | 24 | 16.0 |
| 25 | 12.0 | 15.0 | 11.0 | 12.0 | 11.0 | 14.0 | 15.0 | 7.0 | 19.0 | 18.0 | 21.0 | 15.0 | 19.0 | 13.0 | 11.0 | 12.0 | 12.0 | 10.0 | 15.0 | 10.0 | 11.0 | 13.0 | 18.0 | 18.0 | 24 | 21.0 |
| 26 | 18.0 | 16.0 | 19.0 | 20.0 | 21.0 | 21.0 | 17.0 | 23.0 | 19.0 | 20.0 | 26.0 | 26.0 | AZ | AZ | 22.0 | 20.0 | 20.0 | 17.0 | 18.0 | 19.0 | 16.0 | 16.0 | 19.0 | 18.0 | 22 | 26.0 |
| 27 | 19.0 | 23.0 | 15.0 | 17.0 | 15.0 | 16.0 | 14.0 | 11.0 | 14.0 | 18.0 | 14.0 | 18.0 | 18.0 | 15.0 | 17.0 | 18.0 | 12.0 | 19.0 | 14.0 | 20.0 | 16.0 | 17.0 | 16.0 | 22.0 | 24 | 23.0 |
| 28 | 17.0 | 16.0 | 16.0 | 15.0 | 16.0 | 15.0 | 11.0 | 6.0 | 9.0 | 15.0 | 11.0 | 10.0 | 13.0 | 12.0 | 11.0 | 11.0 | 10.0 | 11.0 | 6.0 | 9.0 | 9.0 | 12.0 | 19.0 | 15.0 | 24 | 19.0 |
| 29 | 13.0 | 14.0 | 12.0 | 11.0 | 14.0 | 10.0 | 12.0 | 10.0 | 11.0 | 6.0 | 9.0 | 12.0 | 10.0 | AV | 3.0 | 4.0 | 7.0 | 6.0 | 4.0 | 6.0 | 10.0 | 5.0 | 6.0 | 5.0 | 23 | 14.0 |
| 30 | 8.0 | AV | AV | 4.0 | 9.0 | 8.0 | 10.0 | 4.0 | 6.0 | 4.0 | 5.0 | 12.0 | 5.0 | 7.0 | 7.0 | 3.0 | 6.0 | 4.0 | 5.0 | 5.0 | 3.0 | 7.0 | 3.0 | 3.0 | 22 | 12.0 |
| 31 | 7.0 | 7.0 | 8.0 | 6.0 | 6.0 | 8.0 | 5.0 | 3.0 | 6.0 | 5.0 | 9.0 | 6.0 | 14.0 | 9.0 | 5.0 | 9.0 | 10.0 | 7.0 | 14.0 | 10.0 | 6.0 | 2.0 | 10.0 | 9.0 | 24 | 14.0 |
| NO.: | 31 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 28 | 28 | 27 | 29 | 29 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 20.0 | 23.0 | 24.0 | 28.0 | 23.0 | 21.0 | 21.0 | 23.0 | 19.0 | 25.0 | 26.0 | 26.0 | 19.0 | 21.0 | 22.0 | 20.0 | 24.0 | 19.0 | 21.0 | 20.0 | 16.0 | 18.0 | 19.0 | 22.0 | | |
| AVG: | 9.00 | 8.63 | 9.57 | 9.55 | 9.45 | 8.97 | 8.19 | 6.65 | 8.87 | 9.52 | 10.23 | 9.89 | 9.18 | 8.04 | 8.07 | 9.10 | 10.37 | 7.39 | 8.74 | 7.55 | 7.52 | 7.87 | 8.90 | 8.71 | | |

MONTHLY OBSERVATIONS: 726 MONTHLY MEAN: 8.74 MONTHLY MAX: 28.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-081-0013 POC: 3
COUNTY: (081) Guilford
CITY: (28000) Greensboro
SITE ADDRESS: 205 WILOUGHBY BLVD
SITE COMMENTS: MONITOR LOCATION MIDDLE OF PLAY FIELD
MONITOR COMMENTS: ID2=411?

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (3115) GREENSBORO, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 36.109167
LONGITUDE: -79.801111
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 247
PROBE HEIGHT: 2.06

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JUNE 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.0 | 9.0 | 8.0 | 8.0 | 8.0 | 10.0 | 7.0 | 2.0 | 14.0 | AX | AX | BA | 15.0 | 12.0 | 9.0 | 7.0 | 7.0 | 11.0 | 13.0 | 15.0 | 11.0 | 4.0 | 5.0 | 6.0 | 21 | 15.0 |
| 2 | 6.0 | 4.0 | 7.0 | 6.0 | 2.0 | 7.0 | 4.0 | 6.0 | 8.0 | 5.0 | 2.0 | 8.0 | 10.0 | 14.0 | 12.0 | 13.0 | 6.0 | 23.0 | .0 | 8.0 | 6.0 | 12.0 | 11.0 | 8.0 | 24 | 23.0 |
| 3 | 9.0 | 10.0 | 5.0 | 10.0 | 6.0 | 6.0 | 5.0 | 8.0 | 8.0 | 15.0 | 12.0 | 12.0 | 13.0 | 11.0 | 13.0 | 11.0 | 11.0 | 14.0 | 5.0 | 14.0 | 10.0 | 11.0 | 12.0 | 12.0 | 24 | 15.0 |
| 4 | 10.0 | 9.0 | 11.0 | 10.0 | 10.0 | 10.0 | 9.0 | 5.0 | 9.0 | 15.0 | 16.0 | 16.0 | 16.0 | 11.0 | 14.0 | 12.0 | 11.0 | 13.0 | 15.0 | 12.0 | 14.0 | 20.0 | 5.0 | 6.0 | 24 | 20.0 |
| 5 | 7.0 | 8.0 | 4.0 | 4.0 | 9.0 | 6.0 | 6.0 | 10.0 | 11.0 | 10.0 | 10.0 | 10.0 | 10.0 | 3.0 | 8.0 | 5.0 | 6.0 | 5.0 | 7.0 | 6.0 | -3.0 | 5.0 | 7.0 | 5.0 | 24 | 11.0 |
| 6 | 4.0 | 5.0 | 4.0 | 3.0 | 4.0 | 5.0 | 5.0 | 2.0 | 4.0 | 10.0 | 7.0 | 7.0 | 8.0 | 8.0 | 3.0 | 10.0 | 11.0 | 5.0 | 6.0 | 9.0 | 10.0 | 7.0 | 9.0 | 10.0 | 24 | 11.0 |
| 7 | 10.0 | 11.0 | 12.0 | 6.0 | 6.0 | 9.0 | 7.0 | .0 | 10.0 | 11.0 | 10.0 | 13.0 | 11.0 | 7.0 | 6.0 | 10.0 | 7.0 | 6.0 | 2.0 | 6.0 | 3.0 | 5.0 | 6.0 | 5.0 | 24 | 13.0 |
| 8 | 7.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 2.0 | -2.0 | 13.0 | 9.0 | 5.0 | 8.0 | 4.0 | 4.0 | 8.0 | 6.0 | 8.0 | 6.0 | 4.0 | 7.0 | 4.0 | 8.0 | 5.0 | 5.0 | 24 | 13.0 |
| 9 | 5.0 | 1.0 | 5.0 | 6.0 | 5.0 | 4.0 | 2.0 | -5.0 | 8.0 | 9.0 | 8.0 | 8.0 | 6.0 | 4.0 | 6.0 | 6.0 | 8.0 | 5.0 | 9.0 | 9.0 | 7.0 | 8.0 | 5.0 | 9.0 | 24 | 9.0 |
| 10 | 8.0 | 8.0 | 9.0 | 8.0 | 9.0 | 7.0 | 6.0 | -2.0 | 10.0 | 17.0 | 11.0 | 8.0 | 11.0 | 5.0 | 9.0 | 6.0 | 9.0 | 11.0 | 8.0 | 8.0 | 6.0 | 8.0 | 8.0 | 8.0 | 24 | 17.0 |
| 11 | 8.0 | 14.0 | 7.0 | 14.0 | 13.0 | 15.0 | 14.0 | 9.0 | 19.0 | 23.0 | 19.0 | 17.0 | 15.0 | 13.0 | 10.0 | 11.0 | 9.0 | 12.0 | 10.0 | 12.0 | 8.0 | 11.0 | 11.0 | 14.0 | 24 | 23.0 |
| 12 | 16.0 | 16.0 | 14.0 | 15.0 | 20.0 | 18.0 | 16.0 | 6.0 | 19.0 | 18.0 | 14.0 | 19.0 | 17.0 | 14.0 | 14.0 | 16.0 | 15.0 | 15.0 | 14.0 | 16.0 | 13.0 | 9.0 | 11.0 | 15.0 | 24 | 20.0 |
| 13 | 14.0 | 15.0 | 16.0 | 12.0 | 4.0 | 6.0 | 3.0 | -3.0 | 5.0 | 4.0 | 6.0 | 3.0 | 2.0 | -1.0 | 4.0 | 5.0 | 3.0 | 6.0 | 9.0 | 10.0 | 4.0 | 5.0 | 7.0 | 7.0 | 24 | 16.0 |
| 14 | 6.0 | 8.0 | 11.0 | 8.0 | 8.0 | 7.0 | 8.0 | -1.0 | 10.0 | 10.0 | AX | BA | 6.0 | 5.0 | 8.0 | 9.0 | 7.0 | 6.0 | 7.0 | 10.0 | 5.0 | 9.0 | 9.0 | 13.0 | 22 | 13.0 |
| 15 | 9.0 | 11.0 | 15.0 | 15.0 | 16.0 | 15.0 | 12.0 | 15.0 | 14.0 | 13.0 | 21.0 | 18.0 | 17.0 | 26.0 | 17.0 | 19.0 | 17.0 | 19.0 | 18.0 | 8.0 | 10.0 | 3.0 | 8.0 | 7.0 | 24 | 26.0 |
| 16 | 9.0 | 7.0 | 7.0 | 9.0 | 8.0 | 9.0 | 5.0 | 5.0 | 3.0 | 9.0 | 8.0 | 12.0 | 8.0 | 7.0 | 5.0 | .0 | 6.0 | 6.0 | 7.0 | 10.0 | 7.0 | 9.0 | 8.0 | 9.0 | 24 | 12.0 |
| 17 | 6.0 | 11.0 | 7.0 | 7.0 | 9.0 | 10.0 | 5.0 | 1.0 | 9.0 | 9.0 | 12.0 | 10.0 | 4.0 | 7.0 | 7.0 | 13.0 | -5.0 | 8.0 | 5.0 | 3.0 | 1.0 | 7.0 | 5.0 | 7.0 | 24 | 13.0 |
| 18 | 7.0 | 6.0 | 3.0 | 8.0 | 6.0 | 6.0 | 6.0 | -1.0 | 5.0 | 8.0 | 7.0 | 6.0 | 8.0 | 5.0 | 6.0 | 3.0 | 6.0 | 5.0 | 6.0 | 8.0 | 4.0 | 4.0 | 4.0 | 7.0 | 24 | 8.0 |
| 19 | 5.0 | 8.0 | 6.0 | 5.0 | 6.0 | 5.0 | 5.0 | -5.0 | 9.0 | 10.0 | 8.0 | 7.0 | 4.0 | 8.0 | 4.0 | 9.0 | 8.0 | 6.0 | 6.0 | 5.0 | 9.0 | 7.0 | 6.0 | 6.0 | 24 | 10.0 |
| 20 | 10.0 | 8.0 | 10.0 | 12.0 | 9.0 | 8.0 | 6.0 | -2.0 | 10.0 | 13.0 | 11.0 | 9.0 | 7.0 | 9.0 | 7.0 | 10.0 | 6.0 | 6.0 | 12.0 | 6.0 | 5.0 | 11.0 | 11.0 | 8.0 | 24 | 13.0 |
| 21 | 11.0 | 11.0 | 6.0 | 11.0 | 12.0 | 12.0 | 10.0 | 12.0 | 12.0 | 15.0 | 16.0 | 10.0 | 14.0 | 16.0 | 10.0 | 14.0 | 10.0 | 8.0 | 10.0 | 13.0 | 10.0 | 15.0 | 10.0 | 13.0 | 24 | 16.0 |
| 22 | 16.0 | 12.0 | 14.0 | 11.0 | 11.0 | 10.0 | 11.0 | 8.0 | 9.0 | 11.0 | 13.0 | 13.0 | 13.0 | 12.0 | 12.0 | 12.0 | 11.0 | 12.0 | 11.0 | 13.0 | 14.0 | 11.0 | 13.0 | 15.0 | 24 | 16.0 |
| 23 | 14.0 | 16.0 | 15.0 | 17.0 | 16.0 | 17.0 | 17.0 | 18.0 | 18.0 | 22.0 | 18.0 | 17.0 | 18.0 | 16.0 | 18.0 | 11.0 | 10.0 | 21.0 | 21.0 | 16.0 | 9.0 | 7.0 | 6.0 | .0 | 24 | 22.0 |
| 24 | 4.0 | 4.0 | 2.0 | 1.0 | 8.0 | .0 | 5.0 | 5.0 | 7.0 | 7.0 | 12.0 | 10.0 | 12.0 | 13.0 | 10.0 | 11.0 | 14.0 | 12.0 | 16.0 | 13.0 | 10.0 | 12.0 | 17.0 | 7.0 | 24 | 17.0 |
| 25 | 8.0 | 6.0 | 9.0 | 6.0 | 10.0 | 6.0 | 5.0 | 9.0 | 6.0 | 5.0 | 7.0 | 6.0 | 13.0 | 12.0 | 14.0 | 11.0 | 10.0 | 12.0 | 9.0 | 8.0 | 9.0 | 8.0 | 8.0 | 10.0 | 24 | 14.0 |
| 26 | 9.0 | 8.0 | 8.0 | 8.0 | 7.0 | 11.0 | 9.0 | 2.0 | 11.0 | 14.0 | 12.0 | 13.0 | 10.0 | 11.0 | 8.0 | 13.0 | 10.0 | 11.0 | 9.0 | 15.0 | 10.0 | 9.0 | 8.0 | 9.0 | 24 | 15.0 |
| 27 | 10.0 | 10.0 | 12.0 | 9.0 | 9.0 | 10.0 | 8.0 | 9.0 | 16.0 | 8.0 | 16.0 | 14.0 | 14.0 | 13.0 | 19.0 | 15.0 | 15.0 | 15.0 | 15.0 | 13.0 | 16.0 | 16.0 | 14.0 | 10.0 | 24 | 19.0 |
| 28 | 12.0 | 10.0 | 9.0 | 11.0 | AV | AV | AV | AV | 14.0 | 13.0 | 10.0 | 13.0 | 9.0 | 6.0 | 12.0 | 14.0 | 15.0 | 13.0 | 9.0 | 9.0 | 12.0 | 13.0 | 12.0 | 14.0 | 20 | 15.0 |
| 29 | 13.0 | 14.0 | 10.0 | 10.0 | 7.0 | 12.0 | 8.0 | 1.0 | 8.0 | 13.0 | 12.0 | 14.0 | 11.0 | 9.0 | 11.0 | 16.0 | 7.0 | 19.0 | 4.0 | 6.0 | 11.0 | 14.0 | 8.0 | 11.0 | 24 | 19.0 |
| 30 | 12.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 9.0 | 12.0 | 16.0 | 12.0 | 21.0 | 18.0 | 23.0 | 18.0 | 19.0 | 12.0 | 9.0 | 14.0 | 16.0 | 17.0 | 15.0 | 13.0 | 18.0 | 16.0 | 24 | 23.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 30 | 29 | 28 | 28 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 16.0 | 16.0 | 16.0 | 17.0 | 20.0 | 18.0 | 17.0 | 18.0 | 19.0 | 23.0 | 21.0 | 19.0 | 23.0 | 26.0 | 19.0 | 19.0 | 17.0 | 23.0 | 21.0 | 17.0 | 16.0 | 20.0 | 18.0 | 16.0 | | |
| AVG: | 9.13 | 9.20 | 8.73 | 8.87 | 8.76 | 8.93 | 7.41 | 4.28 | 10.50 | 11.66 | 11.57 | 11.39 | 10.97 | 9.93 | 10.10 | 10.33 | 8.90 | 10.83 | 9.43 | 10.17 | 8.33 | 9.37 | 8.90 | 9.07 | | |

MONTHLY OBSERVATIONS: 711 MONTHLY MEAN: 9.45 MONTHLY MAX: 26.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-081-0013 POC: 3
COUNTY: (081) Guilford
CITY: (28000) Greensboro
SITE ADDRESS: 205 WILOUGHBY BLVD
SITE COMMENTS: MONITOR LOCATION MIDDLE OF PLAY FIELD
MONITOR COMMENTS: ID2=411?

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (3115) GREENSBORO, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 36.109167
LONGITUDE: -79.801111
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 247
PROBE HEIGHT: 2.06

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JULY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17.0 | 10.0 | 9.0 | 9.0 | 7.0 | 7.0 | 8.0 | 11.0 | 16.0 | 11.0 | 8.0 | 14.0 | 13.0 | 13.0 | 7.0 | 11.0 | 8.0 | 11.0 | 5.0 | 14.0 | 7.0 | 10.0 | 12.0 | 12.0 | 24 | 17.0 |
| 2 | 13.0 | 10.0 | 12.0 | 14.0 | 14.0 | 11.0 | 12.0 | 15.0 | 6.0 | 15.0 | 10.0 | 15.0 | 12.0 | 15.0 | 9.0 | 11.0 | 13.0 | 14.0 | 13.0 | 11.0 | 13.0 | 10.0 | 15.0 | 10.0 | 24 | 15.0 |
| 3 | 10.0 | 10.0 | 8.0 | 3.0 | 4.0 | 5.0 | 6.0 | 8.0 | 5.0 | 11.0 | 6.0 | 7.0 | 8.0 | 10.0 | 10.0 | 10.0 | 12.0 | 13.0 | 14.0 | 14.0 | 19.0 | 16.0 | 19.0 | 22.0 | 24 | 22.0 |
| 4 | 19.0 | 19.0 | 11.0 | 13.0 | 11.0 | 7.0 | -1.0 | -2.0 | 1.0 | 5.0 | 4.0 | 2.0 | 10.0 | 16.0 | 15.0 | 17.0 | 22.0 | 17.0 | 21.0 | 20.0 | 17.0 | 14.0 | 37.0 | 13.0 | 24 | 37.0 |
| 5 | 13.0 | 11.0 | 10.0 | 11.0 | 9.0 | 12.0 | 11.0 | 7.0 | 22.0 | 21.0 | 21.0 | 19.0 | 17.0 | 15.0 | 15.0 | 22.0 | -4.0 | 12.0 | -1.0 | 1.0 | 4.0 | 3.0 | 4.0 | 4.0 | 24 | 22.0 |
| 6 | 4.0 | 3.0 | 3.0 | 8.0 | 6.0 | 5.0 | 3.0 | 5.0 | 9.0 | AX | BA | BA | 10.0 | 8.0 | 8.0 | 1.0 | 9.0 | 6.0 | 4.0 | 11.0 | 2.0 | 7.0 | 9.0 | 10.0 | 21 | 11.0 |
| 7 | 11.0 | 8.0 | 9.0 | 8.0 | 9.0 | 8.0 | 7.0 | 5.0 | 6.0 | 5.0 | 3.0 | 8.0 | 4.0 | 4.0 | 6.0 | 4.0 | 9.0 | 8.0 | 10.0 | .0 | 4.0 | 4.0 | 1.0 | 2.0 | 24 | 11.0 |
| 8 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 4.0 | 4.0 | .0 | 10.0 | 13.0 | 8.0 | 13.0 | 9.0 | 13.0 | 14.0 | 14.0 | 9.0 | 9.0 | 11.0 | 8.0 | 1.0 | 2.0 | 5.0 | 7.0 | 24 | 14.0 |
| 9 | 4.0 | 8.0 | 5.0 | 5.0 | 2.0 | 3.0 | 5.0 | 1.0 | 5.0 | 7.0 | 7.0 | 11.0 | 9.0 | 10.0 | 7.0 | 8.0 | 6.0 | 4.0 | 6.0 | 10.0 | 7.0 | 9.0 | 10.0 | 13.0 | 24 | 13.0 |
| 10 | 9.0 | 11.0 | 8.0 | 7.0 | 5.0 | 8.0 | 6.0 | 7.0 | 5.0 | 10.0 | 11.0 | 10.0 | 7.0 | 4.0 | 7.0 | 4.0 | 7.0 | 6.0 | 5.0 | 10.0 | 7.0 | 6.0 | 9.0 | 10.0 | 24 | 11.0 |
| 11 | 12.0 | 10.0 | 13.0 | 9.0 | 9.0 | 17.0 | 11.0 | 9.0 | 10.0 | 10.0 | 13.0 | 13.0 | 12.0 | 12.0 | 10.0 | 16.0 | 6.0 | 11.0 | 16.0 | 13.0 | 8.0 | 6.0 | .0 | 4.0 | 24 | 17.0 |
| 12 | 4.0 | 5.0 | 7.0 | 7.0 | 8.0 | 5.0 | 7.0 | 10.0 | 9.0 | 8.0 | 10.0 | 10.0 | 12.0 | 10.0 | 7.0 | 7.0 | 10.0 | 9.0 | 6.0 | 61.0 | 11.0 | 4.0 | 5.0 | 8.0 | 24 | 61.0 |
| 13 | 10.0 | 7.0 | 10.0 | 10.0 | 9.0 | 9.0 | 11.0 | 8.0 | 10.0 | 17.0 | 23.0 | 22.0 | 18.0 | 19.0 | 20.0 | 22.0 | 17.0 | 20.0 | 22.0 | 22.0 | 13.0 | 14.0 | 14.0 | 17.0 | 24 | 23.0 |
| 14 | 15.0 | 17.0 | 16.0 | 16.0 | 17.0 | 17.0 | 16.0 | 13.0 | 22.0 | 23.0 | 16.0 | 15.0 | 13.0 | 14.0 | 13.0 | 14.0 | 12.0 | 14.0 | 4.0 | 3.0 | 7.0 | 11.0 | 11.0 | 8.0 | 24 | 23.0 |
| 15 | 9.0 | 13.0 | 16.0 | 13.0 | 15.0 | 10.0 | 9.0 | 7.0 | 11.0 | 9.0 | AX | BA | BA | 8.0 | 7.0 | 5.0 | 8.0 | 10.0 | 1.0 | 2.0 | 1.0 | 5.0 | -1.0 | 6.0 | 21 | 16.0 |
| 16 | 4.0 | 8.0 | 13.0 | 5.0 | 8.0 | 5.0 | 8.0 | 3.0 | 15.0 | 13.0 | 7.0 | 6.0 | 15.0 | 14.0 | 8.0 | 11.0 | 13.0 | 15.0 | -4.0 | 3.0 | 7.0 | 13.0 | 10.0 | 8.0 | 24 | 15.0 |
| 17 | 10.0 | 9.0 | 4.0 | 10.0 | 9.0 | 10.0 | 13.0 | 7.0 | 8.0 | 6.0 | 13.0 | 8.0 | 11.0 | 10.0 | 9.0 | 8.0 | 13.0 | 10.0 | 7.0 | 10.0 | 8.0 | 6.0 | 9.0 | 7.0 | 24 | 13.0 |
| 18 | 10.0 | 9.0 | 10.0 | 9.0 | 8.0 | 10.0 | 8.0 | 4.0 | 9.0 | 11.0 | 13.0 | 13.0 | 8.0 | 7.0 | 8.0 | 10.0 | 9.0 | 8.0 | 11.0 | 11.0 | 9.0 | 7.0 | 13.0 | 11.0 | 24 | 13.0 |
| 19 | 8.0 | 13.0 | 12.0 | 11.0 | 12.0 | 12.0 | 12.0 | 3.0 | 10.0 | 8.0 | 12.0 | 5.0 | 11.0 | 11.0 | 10.0 | 11.0 | 8.0 | 11.0 | 9.0 | 9.0 | 11.0 | 11.0 | 11.0 | 7.0 | 24 | 13.0 |
| 20 | 8.0 | 10.0 | 8.0 | 6.0 | 9.0 | 10.0 | 8.0 | 6.0 | 10.0 | 13.0 | 13.0 | 11.0 | 11.0 | 9.0 | 11.0 | BA | BA | BA | 16.0 | 14.0 | 17.0 | 17.0 | 19.0 | 20.0 | 21 | 20.0 |
| 21 | 18.0 | 17.0 | 18.0 | 23.0 | 19.0 | 16.0 | 15.0 | 14.0 | 18.0 | 18.0 | 13.0 | 18.0 | 15.0 | 18.0 | 10.0 | 11.0 | 12.0 | 12.0 | 15.0 | 16.0 | 12.0 | 15.0 | 15.0 | 13.0 | 24 | 23.0 |
| 22 | 14.0 | 15.0 | 13.0 | 11.0 | 12.0 | 14.0 | 12.0 | 11.0 | 11.0 | 13.0 | 13.0 | 15.0 | 13.0 | 12.0 | 12.0 | 15.0 | 9.0 | 12.0 | 10.0 | 9.0 | 8.0 | 12.0 | 10.0 | 9.0 | 24 | 15.0 |
| 23 | 9.0 | 10.0 | 9.0 | 8.0 | 8.0 | 12.0 | 10.0 | 5.0 | 9.0 | 18.0 | 9.0 | 15.0 | 11.0 | 13.0 | 13.0 | 11.0 | 9.0 | 11.0 | 10.0 | 14.0 | 9.0 | 9.0 | 14.0 | 15.0 | 24 | 18.0 |
| 24 | 15.0 | 15.0 | 14.0 | 12.0 | 12.0 | 15.0 | 11.0 | 10.0 | 15.0 | 15.0 | 16.0 | 17.0 | 16.0 | 13.0 | 8.0 | 13.0 | 9.0 | 12.0 | 10.0 | 10.0 | 11.0 | 12.0 | 12.0 | 17.0 | 24 | 17.0 |
| 25 | 15.0 | 13.0 | 15.0 | 14.0 | 13.0 | 14.0 | 12.0 | 13.0 | 16.0 | 18.0 | 18.0 | 21.0 | 15.0 | 13.0 | 13.0 | 15.0 | 11.0 | 13.0 | 12.0 | 12.0 | 8.0 | 12.0 | 13.0 | 14.0 | 24 | 21.0 |
| 26 | 12.0 | 12.0 | 12.0 | 14.0 | 15.0 | 13.0 | 15.0 | 13.0 | 15.0 | 13.0 | 14.0 | 14.0 | 17.0 | 13.0 | 11.0 | 15.0 | 17.0 | 14.0 | 10.0 | 9.0 | 11.0 | 11.0 | 9.0 | 12.0 | 24 | 17.0 |
| 27 | 13.0 | 14.0 | 15.0 | 15.0 | 11.0 | 14.0 | 10.0 | 10.0 | 11.0 | 12.0 | 15.0 | 17.0 | 11.0 | 10.0 | 11.0 | 15.0 | 15.0 | 10.0 | 13.0 | 2.0 | 10.0 | 8.0 | 8.0 | 9.0 | 24 | 17.0 |
| 28 | 8.0 | 6.0 | 8.0 | 6.0 | 9.0 | 10.0 | 5.0 | 6.0 | 9.0 | 14.0 | 17.0 | 19.0 | 20.0 | 11.0 | 10.0 | 14.0 | 7.0 | 7.0 | 6.0 | 8.0 | 8.0 | 7.0 | 8.0 | 11.0 | 24 | 20.0 |
| 29 | 6.0 | 9.0 | 11.0 | 7.0 | 12.0 | 10.0 | 7.0 | 2.0 | 5.0 | AX | BA | 2.0 | .0 | 2.0 | -1.0 | 8.0 | 5.0 | 7.0 | 6.0 | 5.0 | 4.0 | 5.0 | 7.0 | 12.0 | 22 | 12.0 |
| 30 | 7.0 | 9.0 | 8.0 | 7.0 | 8.0 | 9.0 | 9.0 | 6.0 | 7.0 | 11.0 | 8.0 | 11.0 | 11.0 | 12.0 | 9.0 | 9.0 | 9.0 | 7.0 | 6.0 | 5.0 | 8.0 | 7.0 | 10.0 | 12.0 | 24 | 12.0 |
| 31 | 10.0 | 11.0 | 11.0 | 11.0 | 12.0 | 12.0 | 13.0 | 7.0 | 11.0 | 11.0 | 8.0 | 9.0 | 12.0 | 14.0 | 12.0 | 10.0 | 12.0 | 6.0 | 5.0 | 8.0 | 8.0 | 3.0 | 8.0 | 5.0 | 24 | 14.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 28 | 29 | 30 | 31 | 31 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 19.0 | 19.0 | 18.0 | 23.0 | 19.0 | 17.0 | 16.0 | 15.0 | 22.0 | 23.0 | 23.0 | 22.0 | 20.0 | 19.0 | 20.0 | 22.0 | 22.0 | 20.0 | 22.0 | 61.0 | 19.0 | 17.0 | 37.0 | 22.0 | | |
| AVG: | 10.32 | 10.48 | 10.35 | 9.90 | 9.90 | 10.13 | 9.13 | 7.23 | 10.52 | 12.38 | 11.75 | 12.41 | 11.70 | 11.39 | 9.97 | 11.40 | 10.07 | 10.63 | 9.00 | 11.13 | 8.71 | 8.90 | 10.52 | 10.58 | | |

MONTHLY OBSERVATIONS: 733 MONTHLY MEAN: 10.33 MONTHLY MAX: 61.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-081-0013 POC: 3
COUNTY: (081) Guilford
CITY: (28000) Greensboro
SITE ADDRESS: 205 WILOUGHBY BLVD
SITE COMMENTS: MONITOR LOCATION MIDDLE OF PLAY FIELD
MONITOR COMMENTS: ID2=411?

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (3115) GREENSBORO, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 36.109167
LONGITUDE: -79.801111
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 247
PROBE HEIGHT: 2.06

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: AUGUST 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.0 | 3.0 | 1.0 | 4.0 | 5.0 | 4.0 | 5.0 | 2.0 | 3.0 | 8.0 | 10.0 | 13.0 | 11.0 | 14.0 | 7.0 | 7.0 | 6.0 | 12.0 | 12.0 | 13.0 | 11.0 | 10.0 | 11.0 | 12.0 | 24 | 14.0 |
| 2 | 14.0 | 12.0 | 8.0 | 9.0 | 11.0 | 8.0 | 12.0 | 9.0 | 9.0 | AX | AX | BA | BA | 11.0 | 3.0 | 21.0 | 19.0 | 14.0 | 6.0 | 10.0 | 8.0 | 9.0 | 8.0 | 10.0 | 20 | 21.0 |
| 3 | 7.0 | 7.0 | 11.0 | 7.0 | 7.0 | 11.0 | 10.0 | 9.0 | 5.0 | 7.0 | 8.0 | 11.0 | 7.0 | 9.0 | 11.0 | 10.0 | 13.0 | 13.0 | 12.0 | 10.0 | 11.0 | 10.0 | 9.0 | 5.0 | 24 | 13.0 |
| 4 | 9.0 | 9.0 | 6.0 | 8.0 | 4.0 | 8.0 | 5.0 | 7.0 | 5.0 | 4.0 | 6.0 | 6.0 | 8.0 | 7.0 | 10.0 | 7.0 | 11.0 | 11.0 | 10.0 | 14.0 | 12.0 | 9.0 | 7.0 | 7.0 | 24 | 14.0 |
| 5 | 8.0 | 8.0 | 4.0 | 5.0 | 6.0 | 7.0 | 6.0 | 7.0 | 6.0 | 5.0 | 8.0 | 4.0 | 7.0 | 10.0 | -3.0 | 6.0 | 1.0 | 16.0 | 6.0 | 16.0 | 3.0 | 6.0 | 3.0 | 7.0 | 24 | 16.0 |
| 6 | 3.0 | 4.0 | 2.0 | 10.0 | 11.0 | 15.0 | 12.0 | 12.0 | 13.0 | 6.0 | 11.0 | 10.0 | 10.0 | 11.0 | 12.0 | 12.0 | 12.0 | 11.0 | 2.0 | 11.0 | 15.0 | 11.0 | 15.0 | 16.0 | 24 | 16.0 |
| 7 | 10.0 | -1.0 | 1.0 | 6.0 | 4.0 | 8.0 | 6.0 | 6.0 | 3.0 | 6.0 | 7.0 | 10.0 | 2.0 | 6.0 | 9.0 | 6.0 | 9.0 | 13.0 | 14.0 | 9.0 | 12.0 | 12.0 | 9.0 | 10.0 | 24 | 14.0 |
| 8 | 10.0 | 12.0 | 8.0 | 11.0 | 11.0 | 7.0 | 11.0 | 7.0 | 5.0 | 5.0 | 3.0 | 11.0 | 11.0 | 8.0 | 13.0 | 21.0 | 23.0 | 24.0 | 15.0 | 12.0 | 14.0 | 12.0 | 13.0 | 10.0 | 24 | 24.0 |
| 9 | 11.0 | 12.0 | 5.0 | 7.0 | 7.0 | 9.0 | 10.0 | 11.0 | 7.0 | 8.0 | 13.0 | 7.0 | 10.0 | 9.0 | 10.0 | 6.0 | 9.0 | 6.0 | 12.0 | 8.0 | 6.0 | 6.0 | 6.0 | 5.0 | 24 | 13.0 |
| 10 | 5.0 | 3.0 | 5.0 | 7.0 | 4.0 | 4.0 | 2.0 | .0 | 5.0 | 5.0 | 15.0 | 9.0 | 6.0 | 9.0 | 15.0 | -4.0 | 7.0 | 14.0 | 16.0 | 8.0 | 9.0 | 7.0 | 6.0 | 5.0 | 24 | 16.0 |
| 11 | 8.0 | 7.0 | 6.0 | 6.0 | 5.0 | 2.0 | 3.0 | 4.0 | 6.0 | 12.0 | 14.0 | 7.0 | 7.0 | 8.0 | 5.0 | 8.0 | 8.0 | 9.0 | 8.0 | 8.0 | 9.0 | 4.0 | 10.0 | 7.0 | 24 | 14.0 |
| 12 | 8.0 | 8.0 | 9.0 | 10.0 | 8.0 | 8.0 | 5.0 | 4.0 | 5.0 | 6.0 | 14.0 | 8.0 | 6.0 | 5.0 | 4.0 | 5.0 | 3.0 | 4.0 | 1.0 | 3.0 | 2.0 | 3.0 | 4.0 | 5.0 | 24 | 14.0 |
| 13 | 5.0 | 6.0 | 11.0 | 10.0 | 8.0 | 6.0 | 9.0 | 5.0 | 10.0 | 10.0 | 11.0 | 11.0 | 9.0 | 5.0 | 13.0 | 6.0 | 8.0 | 10.0 | 7.0 | 8.0 | 6.0 | 6.0 | 9.0 | 7.0 | 24 | 13.0 |
| 14 | 8.0 | 13.0 | 10.0 | 9.0 | 11.0 | 10.0 | 9.0 | 6.0 | 6.0 | 8.0 | 14.0 | 13.0 | 8.0 | 4.0 | 5.0 | 5.0 | 10.0 | 12.0 | 9.0 | 10.0 | 6.0 | 4.0 | 7.0 | 7.0 | 24 | 14.0 |
| 15 | 6.0 | 8.0 | 7.0 | 7.0 | 8.0 | 7.0 | 9.0 | 3.0 | 8.0 | 12.0 | 11.0 | 13.0 | 12.0 | 12.0 | 10.0 | 10.0 | 8.0 | 10.0 | 11.0 | 7.0 | 3.0 | 10.0 | 9.0 | 10.0 | 24 | 13.0 |
| 16 | 9.0 | 7.0 | 9.0 | 9.0 | 6.0 | 7.0 | 8.0 | 6.0 | 4.0 | 8.0 | 9.0 | 11.0 | 8.0 | 5.0 | 9.0 | 11.0 | 8.0 | 5.0 | 7.0 | 4.0 | 6.0 | 5.0 | 3.0 | 9.0 | 24 | 11.0 |
| 17 | 5.0 | 2.0 | 6.0 | 2.0 | 6.0 | 5.0 | 3.0 | 3.0 | 7.0 | 5.0 | 10.0 | AZ | BA | BA | 12.0 | 8.0 | AV | AV | AV | 4.0 | 6.0 | 3.0 | 7.0 | 7.0 | 18 | 12.0 |
| 18 | 4.0 | 5.0 | 8.0 | 5.0 | 3.0 | 6.0 | 7.0 | 4.0 | 7.0 | .0 | 4.0 | 7.0 | 1.0 | 2.0 | 4.0 | 7.0 | 5.0 | 3.0 | 8.0 | 4.0 | 4.0 | 5.0 | 6.0 | 8.0 | 24 | 8.0 |
| 19 | 9.0 | 7.0 | 6.0 | 7.0 | 6.0 | 6.0 | .0 | .0 | 1.0 | 3.0 | 7.0 | 3.0 | 7.0 | 5.0 | 6.0 | 7.0 | 7.0 | -1.0 | 7.0 | 2.0 | 3.0 | 2.0 | 5.0 | .0 | 24 | 9.0 |
| 20 | 3.0 | 3.0 | 3.0 | 1.0 | 3.0 | 1.0 | 3.0 | .0 | .0 | 7.0 | 11.0 | 9.0 | 5.0 | 10.0 | 6.0 | 13.0 | 4.0 | 6.0 | 2.0 | 9.0 | 7.0 | 6.0 | 6.0 | 10.0 | 24 | 13.0 |
| 21 | 8.0 | 10.0 | 8.0 | 7.0 | 9.0 | 8.0 | 7.0 | 5.0 | 5.0 | 4.0 | 5.0 | 7.0 | 7.0 | 6.0 | 5.0 | 7.0 | 7.0 | 8.0 | -5.0 | 3.0 | 3.0 | 4.0 | 2.0 | 5.0 | 24 | 10.0 |
| 22 | 1.0 | 7.0 | 2.0 | 6.0 | 5.0 | 4.0 | 1.0 | 6.0 | .0 | 5.0 | 8.0 | 5.0 | 6.0 | 6.0 | 2.0 | 7.0 | 4.0 | 1.0 | 11.0 | 1.0 | 5.0 | 5.0 | 6.0 | 8.0 | 24 | 11.0 |
| 23 | 6.0 | 8.0 | 6.0 | 6.0 | 3.0 | 6.0 | 4.0 | 4.0 | -2.0 | 9.0 | 12.0 | 6.0 | 5.0 | 4.0 | 5.0 | 9.0 | 2.0 | 11.0 | 8.0 | 7.0 | 6.0 | 8.0 | 7.0 | 9.0 | 24 | 12.0 |
| 24 | 9.0 | 15.0 | 10.0 | 10.0 | 9.0 | 12.0 | 6.0 | 8.0 | 8.0 | 3.0 | 8.0 | 5.0 | 10.0 | 9.0 | 9.0 | 8.0 | 10.0 | 7.0 | 13.0 | 9.0 | 7.0 | 8.0 | 12.0 | 10.0 | 24 | 15.0 |
| 25 | 13.0 | 11.0 | 14.0 | 10.0 | 11.0 | 11.0 | 11.0 | 12.0 | 9.0 | 15.0 | 15.0 | 16.0 | 15.0 | 15.0 | 11.0 | 9.0 | 11.0 | 12.0 | 12.0 | 10.0 | 7.0 | 12.0 | 13.0 | 12.0 | 24 | 16.0 |
| 26 | 11.0 | 11.0 | 11.0 | 12.0 | 11.0 | 13.0 | 14.0 | 14.0 | 8.0 | 14.0 | 12.0 | 10.0 | 16.0 | 15.0 | 15.0 | 13.0 | 11.0 | 12.0 | 13.0 | 10.0 | 9.0 | 13.0 | 15.0 | 16.0 | 24 | 16.0 |
| 27 | 12.0 | 15.0 | 16.0 | 13.0 | 12.0 | 13.0 | 13.0 | 14.0 | 10.0 | 17.0 | 16.0 | 18.0 | 17.0 | 22.0 | 13.0 | 26.0 | 29.0 | 20.0 | -1.0 | 5.0 | 8.0 | 6.0 | 8.0 | 9.0 | 24 | 29.0 |
| 28 | 10.0 | 12.0 | 12.0 | 10.0 | 16.0 | 10.0 | 8.0 | 7.0 | 5.0 | 14.0 | 11.0 | 13.0 | 10.0 | 8.0 | 7.0 | 9.0 | 9.0 | 11.0 | 8.0 | 10.0 | 11.0 | .0 | 15.0 | 15.0 | 24 | 16.0 |
| 29 | 11.0 | 14.0 | 8.0 | 11.0 | 12.0 | 6.0 | 6.0 | 8.0 | 3.0 | 14.0 | 9.0 | 8.0 | 11.0 | 6.0 | 12.0 | 7.0 | 12.0 | 9.0 | 10.0 | 9.0 | 11.0 | 12.0 | 14.0 | 13.0 | 24 | 14.0 |
| 30 | 12.0 | 12.0 | 11.0 | 11.0 | 11.0 | 10.0 | 8.0 | 10.0 | AX | BA | 17.0 | 14.0 | 14.0 | 10.0 | 11.0 | 11.0 | 7.0 | 18.0 | 21.0 | 17.0 | 18.0 | 19.0 | 23.0 | 21.0 | 22 | 23.0 |
| 31 | 22.0 | 22.0 | 24.0 | 22.0 | 21.0 | 18.0 | 18.0 | 16.0 | 14.0 | 17.0 | 17.0 | 12.0 | 16.0 | 16.0 | 15.0 | 12.0 | 11.0 | 6.0 | 12.0 | 9.0 | 13.0 | 12.0 | 12.0 | 8.0 | 24 | 24.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 30 | 29 | 29 | 30 | 31 | 31 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 22.0 | 22.0 | 24.0 | 22.0 | 21.0 | 18.0 | 18.0 | 16.0 | 14.0 | 17.0 | 17.0 | 18.0 | 17.0 | 22.0 | 15.0 | 26.0 | 29.0 | 24.0 | 21.0 | 17.0 | 18.0 | 19.0 | 23.0 | 21.0 | | |
| AVG: | 8.42 | 8.77 | 8.00 | 8.32 | 8.19 | 8.06 | 7.45 | 6.74 | 5.83 | 8.17 | 10.53 | 9.55 | 9.03 | 8.90 | 8.58 | 9.35 | 9.47 | 10.23 | 8.90 | 8.39 | 8.10 | 7.71 | 9.03 | 9.13 | | |

MONTHLY OBSERVATIONS: 732 MONTHLY MEAN: 8.53 MONTHLY MAX: 29.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-081-0013 POC: 3
COUNTY: (081) Guilford
CITY: (28000) Greensboro
SITE ADDRESS: 205 WILOUGHBY BLVD
SITE COMMENTS: MONITOR LOCATION MIDDLE OF PLAY FIELD
MONITOR COMMENTS: ID2=411?

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (3115) GREENSBORO, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 36.109167
LONGITUDE: -79.801111
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 247
PROBE HEIGHT: 2.06

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: SEPTEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10.0 | 8.0 | 10.0 | 6.0 | 6.0 | 4.0 | 6.0 | 4.0 | 4.0 | 9.0 | 8.0 | 13.0 | 4.0 | 20.0 | 11.0 | 9.0 | 16.0 | 4.0 | 7.0 | 9.0 | 6.0 | 11.0 | 8.0 | 9.0 | 24 | 20.0 |
| 2 | 5.0 | 8.0 | 6.0 | 11.0 | 9.0 | 14.0 | 10.0 | 9.0 | 10.0 | 8.0 | 13.0 | 8.0 | 10.0 | 7.0 | 8.0 | 6.0 | 7.0 | 7.0 | 7.0 | 3.0 | 4.0 | 3.0 | 2.0 | 3.0 | 24 | 14.0 |
| 3 | 6.0 | 5.0 | 4.0 | 6.0 | 5.0 | 3.0 | 5.0 | 4.0 | 3.0 | 3.0 | 4.0 | 6.0 | 4.0 | 5.0 | 4.0 | 6.0 | 6.0 | 8.0 | 6.0 | 4.0 | 3.0 | 5.0 | 10.0 | 7.0 | 24 | 10.0 |
| 4 | 6.0 | 6.0 | 8.0 | 6.0 | 6.0 | 8.0 | 4.0 | 5.0 | 1.0 | 5.0 | 5.0 | 9.0 | 8.0 | 9.0 | 3.0 | 3.0 | 4.0 | 7.0 | 8.0 | 6.0 | 8.0 | 11.0 | 7.0 | 11.0 | 24 | 11.0 |
| 5 | 11.0 | 11.0 | 10.0 | 10.0 | 8.0 | 8.0 | 4.0 | 4.0 | 4.0 | 12.0 | 9.0 | 8.0 | 8.0 | 6.0 | 7.0 | 10.0 | 4.0 | 8.0 | 11.0 | 4.0 | 8.0 | 12.0 | 12.0 | 11.0 | 24 | 12.0 |
| 6 | 9.0 | 10.0 | 10.0 | 13.0 | 9.0 | 10.0 | 8.0 | 6.0 | 3.0 | 11.0 | 10.0 | 8.0 | 8.0 | 11.0 | 7.0 | 7.0 | 8.0 | 13.0 | 12.0 | 9.0 | 8.0 | 11.0 | 12.0 | 14.0 | 24 | 14.0 |
| 7 | 13.0 | 11.0 | 11.0 | 11.0 | 9.0 | 11.0 | 10.0 | 4.0 | 6.0 | 13.0 | 16.0 | 13.0 | 13.0 | 15.0 | 10.0 | 5.0 | 5.0 | 7.0 | 20.0 | 7.0 | 8.0 | 12.0 | 11.0 | 11.0 | 24 | 20.0 |
| 8 | 9.0 | 14.0 | 7.0 | 9.0 | 8.0 | 12.0 | 11.0 | 9.0 | 9.0 | 16.0 | 18.0 | 13.0 | 13.0 | 8.0 | 9.0 | 7.0 | 8.0 | 9.0 | 6.0 | 5.0 | 11.0 | 15.0 | 16.0 | 16.0 | 24 | 18.0 |
| 9 | 15.0 | 16.0 | 15.0 | 14.0 | 15.0 | 17.0 | 16.0 | 17.0 | 15.0 | 24.0 | 22.0 | 19.0 | 17.0 | 15.0 | 13.0 | 13.0 | 14.0 | 17.0 | 12.0 | 11.0 | 10.0 | 13.0 | 20.0 | 20.0 | 24 | 24.0 |
| 10 | 21.0 | 19.0 | 21.0 | 22.0 | 21.0 | 23.0 | 22.0 | 22.0 | 20.0 | 24.0 | 23.0 | 25.0 | 25.0 | 21.0 | 23.0 | 14.0 | 16.0 | 15.0 | 18.0 | 17.0 | 20.0 | 18.0 | 19.0 | 21.0 | 24 | 25.0 |
| 11 | 20.0 | 19.0 | 20.0 | 22.0 | 19.0 | 20.0 | 19.0 | 15.0 | 18.0 | 15.0 | 8.0 | 4.0 | 9.0 | 3.0 | 3.0 | 2.0 | -2.0 | 8.0 | 5.0 | 3.0 | 6.0 | 2.0 | 5.0 | 3.0 | 24 | 22.0 |
| 12 | 5.0 | 7.0 | 5.0 | 7.0 | 5.0 | 6.0 | 9.0 | 4.0 | 7.0 | 3.0 | 5.0 | AX | BA | 9.0 | 8.0 | 9.0 | 2.0 | 9.0 | 5.0 | 9.0 | 9.0 | 10.0 | 10.0 | 11.0 | 22 | 11.0 |
| 13 | 12.0 | 13.0 | 8.0 | 8.0 | 9.0 | 8.0 | 10.0 | 13.0 | 7.0 | 7.0 | 11.0 | 11.0 | 10.0 | 11.0 | 10.0 | 9.0 | 16.0 | 7.0 | 10.0 | 7.0 | 8.0 | 10.0 | 12.0 | 9.0 | 24 | 16.0 |
| 14 | 8.0 | 8.0 | 7.0 | 6.0 | 8.0 | 7.0 | 3.0 | 4.0 | 4.0 | 9.0 | 9.0 | 12.0 | 10.0 | 12.0 | 10.0 | 7.0 | 11.0 | 11.0 | 7.0 | 7.0 | 9.0 | 10.0 | 8.0 | 8.0 | 24 | 12.0 |
| 15 | 10.0 | 11.0 | 9.0 | 9.0 | 12.0 | 11.0 | 10.0 | 6.0 | 12.0 | 9.0 | 14.0 | 16.0 | 17.0 | 11.0 | 14.0 | 12.0 | 13.0 | 17.0 | 17.0 | 13.0 | 8.0 | 13.0 | 10.0 | 12.0 | 24 | 17.0 |
| 16 | 9.0 | 9.0 | 8.0 | 6.0 | 11.0 | 11.0 | 8.0 | 2.0 | 4.0 | 13.0 | 10.0 | 11.0 | 10.0 | 12.0 | 13.0 | 10.0 | 9.0 | 17.0 | 11.0 | 8.0 | 7.0 | 8.0 | 11.0 | 10.0 | 24 | 17.0 |
| 17 | 8.0 | 10.0 | 11.0 | 7.0 | 8.0 | 7.0 | 8.0 | 7.0 | 8.0 | 5.0 | 7.0 | 7.0 | 6.0 | 9.0 | 8.0 | 6.0 | 1.0 | 8.0 | 6.0 | 8.0 | 6.0 | 9.0 | 12.0 | 12.0 | 24 | 12.0 |
| 18 | 8.0 | 6.0 | 7.0 | 4.0 | 6.0 | 8.0 | 4.0 | 2.0 | 3.0 | 6.0 | 13.0 | 8.0 | 5.0 | 9.0 | 6.0 | 8.0 | 5.0 | 4.0 | 5.0 | 1.0 | 3.0 | 5.0 | 4.0 | 4.0 | 24 | 13.0 |
| 19 | 5.0 | 3.0 | 3.0 | 6.0 | 4.0 | 4.0 | 1.0 | 6.0 | 5.0 | 6.0 | 1.0 | -4.0 | 2.0 | -2.0 | 5.0 | 4.0 | 5.0 | 3.0 | 5.0 | 3.0 | -3.0 | -1.0 | 3.0 | 1.0 | 24 | 6.0 |
| 20 | 5.0 | 3.0 | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | 2.0 | 6.0 | 3.0 | 3.0 | 3.0 | 7.0 | 9.0 | 6.0 | 6.0 | 11.0 | 7.0 | 1.0 | 2.0 | 6.0 | 4.0 | 4.0 | 5.0 | 24 | 11.0 |
| 21 | 8.0 | 10.0 | 8.0 | 6.0 | 6.0 | 8.0 | 7.0 | 7.0 | 3.0 | 6.0 | 4.0 | 2.0 | 12.0 | 6.0 | 2.0 | 9.0 | 6.0 | 1.0 | 8.0 | 8.0 | 1.0 | 2.0 | 4.0 | 3.0 | 24 | 12.0 |
| 22 | 5.0 | 4.0 | 8.0 | 8.0 | 3.0 | 1.0 | 6.0 | 4.0 | 2.0 | 7.0 | 6.0 | 7.0 | 5.0 | 5.0 | 3.0 | 5.0 | 6.0 | 6.0 | 9.0 | 8.0 | 6.0 | 5.0 | 6.0 | 4.0 | 24 | 9.0 |
| 23 | 6.0 | 6.0 | 7.0 | 8.0 | 7.0 | 6.0 | 5.0 | 11.0 | 6.0 | 6.0 | 7.0 | 3.0 | 7.0 | 5.0 | 6.0 | 7.0 | 7.0 | 6.0 | 5.0 | 3.0 | 6.0 | 6.0 | 6.0 | 8.0 | 24 | 11.0 |
| 24 | 6.0 | 7.0 | 8.0 | 8.0 | 6.0 | 6.0 | 5.0 | 2.0 | 3.0 | 7.0 | 11.0 | 14.0 | 10.0 | 11.0 | 9.0 | 8.0 | 9.0 | 9.0 | 7.0 | 11.0 | 13.0 | 18.0 | 17.0 | 20.0 | 24 | 20.0 |
| 25 | 21.0 | 16.0 | 13.0 | 16.0 | 23.0 | 27.0 | 29.0 | 24.0 | 24.0 | 25.0 | 15.0 | 5.0 | 4.0 | 9.0 | 7.0 | 10.0 | 15.0 | 16.0 | 16.0 | 17.0 | 14.0 | 12.0 | 11.0 | 8.0 | 24 | 29.0 |
| 26 | 8.0 | 8.0 | 9.0 | 5.0 | 10.0 | 7.0 | 5.0 | 3.0 | 5.0 | 4.0 | AX | BA | 1.0 | 10.0 | 5.0 | 11.0 | 8.0 | 10.0 | 12.0 | 12.0 | 1.0 | 5.0 | 6.0 | 5.0 | 22 | 12.0 |
| 27 | 3.0 | 2.0 | 1.0 | .0 | 1.0 | 3.0 | 1.0 | 3.0 | 6.0 | 6.0 | 5.0 | 9.0 | 7.0 | 9.0 | 9.0 | 12.0 | 10.0 | 12.0 | 13.0 | 11.0 | 8.0 | 12.0 | 11.0 | 8.0 | 24 | 13.0 |
| 28 | 4.0 | 7.0 | 6.0 | 4.0 | 5.0 | 2.0 | 3.0 | 2.0 | 6.0 | 6.0 | 4.0 | 13.0 | 10.0 | 6.0 | 4.0 | 11.0 | 7.0 | 7.0 | 10.0 | 10.0 | 4.0 | .0 | 6.0 | 1.0 | 24 | 13.0 |
| 29 | 4.0 | .0 | 2.0 | 4.0 | 4.0 | 5.0 | 4.0 | 4.0 | 3.0 | -5.0 | 5.0 | 7.0 | 4.0 | 2.0 | 9.0 | -1.0 | .0 | 8.0 | 7.0 | 5.0 | 3.0 | 3.0 | 4.0 | 8.0 | 24 | 9.0 |
| 30 | 4.0 | 7.0 | 7.0 | 7.0 | 9.0 | 7.0 | 6.0 | 10.0 | 11.0 | 12.0 | 10.0 | 18.0 | 9.0 | 14.0 | 14.0 | 15.0 | 13.0 | 13.0 | 10.0 | 11.0 | 14.0 | 8.0 | 13.0 | 14.0 | 24 | 18.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 21.0 | 19.0 | 21.0 | 22.0 | 23.0 | 27.0 | 29.0 | 24.0 | 24.0 | 25.0 | 23.0 | 25.0 | 25.0 | 21.0 | 23.0 | 15.0 | 16.0 | 17.0 | 20.0 | 17.0 | 20.0 | 18.0 | 20.0 | 21.0 | | |
| AVG: | 8.80 | 8.80 | 8.47 | 8.47 | 8.53 | 8.93 | 8.07 | 7.17 | 7.27 | 9.17 | 9.52 | 9.57 | 8.79 | 9.23 | 8.20 | 8.00 | 8.00 | 9.13 | 9.20 | 7.73 | 7.17 | 8.40 | 9.33 | 9.23 | | |

MONTHLY OBSERVATIONS: 716 MONTHLY MEAN: 8.54 MONTHLY MAX: 29.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-081-0013 POC: 3
COUNTY: (081) Guilford
CITY: (28000) Greensboro
SITE ADDRESS: 205 WILOUGHBY BLVD
SITE COMMENTS: MONITOR LOCATION MIDDLE OF PLAY FIELD
MONITOR COMMENTS: ID2=411?

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (3115) GREENSBORO, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 36.109167
LONGITUDE: -79.801111
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 247
PROBE HEIGHT: 2.06

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: OCTOBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -4.0 | 5.0 | 7.0 | 6.0 | 7.0 | 7.0 | -5.0 | 11.0 | 7.0 | 2.0 | 6.0 | 9.0 | 6.0 | 5.0 | 9.0 | 6.0 | 6.0 | 9.0 | 4.0 | 7.0 | 13.0 | 17.0 | 16.0 | 20.0 | 24 | 20.0 |
| 2 | 21.0 | 20.0 | 20.0 | 23.0 | 23.0 | 16.0 | 9.0 | 5.0 | 8.0 | 2.0 | 5.0 | 9.0 | 10.0 | 3.0 | 8.0 | 10.0 | 3.0 | 11.0 | .0 | 9.0 | 14.0 | 15.0 | 21.0 | 13.0 | 24 | 23.0 |
| 3 | 13.0 | 11.0 | 8.0 | 5.0 | 8.0 | 11.0 | 6.0 | 4.0 | 2.0 | .0 | -1.0 | 5.0 | 7.0 | 5.0 | 5.0 | 9.0 | .0 | 6.0 | 2.0 | 1.0 | 6.0 | 5.0 | 10.0 | 7.0 | 24 | 13.0 |
| 4 | 6.0 | 7.0 | 7.0 | 6.0 | 5.0 | 7.0 | 8.0 | 13.0 | 3.0 | 6.0 | 7.0 | 7.0 | 9.0 | 7.0 | 10.0 | 10.0 | 7.0 | 13.0 | 6.0 | 4.0 | 5.0 | 4.0 | 8.0 | 8.0 | 24 | 13.0 |
| 5 | 5.0 | 7.0 | 8.0 | 1.0 | 9.0 | 4.0 | 3.0 | .0 | 7.0 | 7.0 | 5.0 | 5.0 | 4.0 | 7.0 | 6.0 | 7.0 | 4.0 | 6.0 | 7.0 | 7.0 | 4.0 | 6.0 | 6.0 | 5.0 | 24 | 9.0 |
| 6 | 5.0 | 3.0 | 2.0 | 5.0 | 4.0 | 6.0 | 4.0 | 6.0 | 4.0 | AX | AX | BA | 3.0 | 1.0 | 2.0 | 5.0 | 2.0 | 6.0 | 5.0 | 8.0 | -1.0 | 2.0 | 4.0 | 5.0 | 21 | 8.0 |
| 7 | 3.0 | 3.0 | 2.0 | .0 | -1.0 | 3.0 | 2.0 | 1.0 | -2.0 | -1.0 | 2.0 | .0 | 6.0 | .0 | 3.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 4.0 | 3.0 | .0 | 24 | 6.0 |
| 8 | .0 | 2.0 | 3.0 | 7.0 | .0 | -1.0 | 4.0 | 2.0 | 5.0 | .0 | -2.0 | 3.0 | -3.0 | 1.0 | 1.0 | .0 | -1.0 | 1.0 | -2.0 | .0 | 2.0 | 3.0 | -2.0 | 5.0 | 24 | 7.0 |
| 9 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 3.0 | -4.0 | 2.0 | 3.0 | 5.0 | 3.0 | 4.0 | 4.0 | 2.0 | .0 | 7.0 | -3.0 | 2.0 | -1.0 | 3.0 | 3.0 | 5.0 | 24 | 7.0 |
| 10 | 1.0 | 2.0 | 4.0 | 2.0 | 5.0 | 4.0 | 4.0 | 2.0 | -4.0 | 1.0 | 3.0 | 3.0 | 2.0 | -1.0 | 2.0 | 2.0 | 5.0 | 11.0 | .0 | 4.0 | 5.0 | 9.0 | 6.0 | 6.0 | 24 | 11.0 |
| 11 | 7.0 | 8.0 | 5.0 | 1.0 | 5.0 | 1.0 | 3.0 | 2.0 | -5.0 | -2.0 | 5.0 | 3.0 | 2.0 | 3.0 | 3.0 | -1.0 | 5.0 | 9.0 | .0 | 5.0 | 7.0 | 2.0 | 8.0 | 8.0 | 24 | 9.0 |
| 12 | 7.0 | 8.0 | 5.0 | 7.0 | 3.0 | 5.0 | 4.0 | 5.0 | -2.0 | 1.0 | 7.0 | 7.0 | 8.0 | 8.0 | 7.0 | 5.0 | 9.0 | 13.0 | 6.0 | 5.0 | 6.0 | 9.0 | 9.0 | 6.0 | 24 | 13.0 |
| 13 | 3.0 | 5.0 | 6.0 | 9.0 | 5.0 | 8.0 | 8.0 | 5.0 | -1.0 | 8.0 | 11.0 | 9.0 | 6.0 | 7.0 | 13.0 | 7.0 | 10.0 | 11.0 | 6.0 | 7.0 | 10.0 | 10.0 | 7.0 | 8.0 | 24 | 13.0 |
| 14 | 6.0 | 1.0 | 5.0 | 2.0 | 4.0 | 2.0 | 8.0 | 6.0 | 4.0 | .0 | -1.0 | 6.0 | 1.0 | 4.0 | 7.0 | 3.0 | 6.0 | 11.0 | .0 | 3.0 | 4.0 | 12.0 | 15.0 | 18.0 | 24 | 18.0 |
| 15 | 13.0 | 8.0 | 3.0 | 4.0 | 6.0 | 7.0 | 9.0 | 9.0 | 5.0 | 2.0 | 5.0 | 2.0 | 7.0 | 10.0 | 9.0 | 4.0 | 10.0 | 12.0 | 5.0 | 11.0 | 7.0 | 9.0 | 7.0 | 13.0 | 24 | 13.0 |
| 16 | 11.0 | 8.0 | 11.0 | 10.0 | 12.0 | 10.0 | 12.0 | 12.0 | 9.0 | 4.0 | 12.0 | 14.0 | 12.0 | 10.0 | 9.0 | 9.0 | 10.0 | 10.0 | 5.0 | 7.0 | 11.0 | 19.0 | 29.0 | 18.0 | 24 | 29.0 |
| 17 | 15.0 | 10.0 | 9.0 | 12.0 | 9.0 | 11.0 | 9.0 | 10.0 | 7.0 | 14.0 | 12.0 | 15.0 | 12.0 | 10.0 | 8.0 | 10.0 | 8.0 | 10.0 | 8.0 | 5.0 | 9.0 | 13.0 | 11.0 | 10.0 | 24 | 15.0 |
| 18 | 11.0 | 9.0 | 10.0 | 6.0 | 8.0 | 10.0 | 8.0 | 10.0 | 7.0 | 9.0 | 12.0 | 11.0 | 13.0 | 10.0 | 10.0 | 7.0 | 11.0 | 16.0 | 11.0 | 12.0 | 9.0 | 12.0 | 11.0 | 9.0 | 24 | 16.0 |
| 19 | 11.0 | 11.0 | 10.0 | 7.0 | 9.0 | 9.0 | 6.0 | 10.0 | 1.0 | 7.0 | AX | BA | 7.0 | 10.0 | 14.0 | 12.0 | 11.0 | 14.0 | 7.0 | 9.0 | 9.0 | 12.0 | 12.0 | 14.0 | 22 | 14.0 |
| 20 | 13.0 | 15.0 | 11.0 | 12.0 | 9.0 | 6.0 | 12.0 | 8.0 | 2.0 | 11.0 | 16.0 | 14.0 | 10.0 | 4.0 | 5.0 | 8.0 | 6.0 | 15.0 | 10.0 | 8.0 | 16.0 | 15.0 | 14.0 | 15.0 | 24 | 16.0 |
| 21 | 15.0 | 16.0 | 13.0 | 10.0 | 7.0 | 9.0 | 9.0 | 8.0 | 6.0 | 14.0 | 10.0 | 13.0 | 11.0 | 6.0 | -3.0 | -5.0 | 4.0 | 5.0 | -2.0 | -1.0 | .0 | -3.0 | .0 | -1.0 | 24 | 16.0 |
| 22 | 2.0 | .0 | -1.0 | 1.0 | 1.0 | 2.0 | -3.0 | 1.0 | -5.0 | 3.0 | .0 | 4.0 | 1.0 | -1.0 | 2.0 | 2.0 | 3.0 | 6.0 | .0 | 1.0 | 3.0 | 6.0 | 7.0 | 5.0 | 24 | 7.0 |
| 23 | 7.0 | 4.0 | 5.0 | 4.0 | 3.0 | 2.0 | 2.0 | .0 | -5.0 | 4.0 | 2.0 | 2.0 | .0 | 4.0 | 1.0 | 2.0 | 6.0 | 10.0 | 4.0 | 5.0 | 4.0 | 5.0 | 10.0 | 5.0 | 24 | 10.0 |
| 24 | 7.0 | 7.0 | 6.0 | 8.0 | 8.0 | 3.0 | 3.0 | 4.0 | -3.0 | 10.0 | 11.0 | 6.0 | 8.0 | 7.0 | 8.0 | 9.0 | 5.0 | 10.0 | 6.0 | 3.0 | 7.0 | 7.0 | 8.0 | 8.0 | 24 | 11.0 |
| 25 | 6.0 | 10.0 | 2.0 | 2.0 | 3.0 | 4.0 | 4.0 | 4.0 | -5.0 | 8.0 | 5.0 | 5.0 | 4.0 | 2.0 | 4.0 | 4.0 | 3.0 | 15.0 | 2.0 | 1.0 | 4.0 | 9.0 | 11.0 | 13.0 | 24 | 15.0 |
| 26 | 17.0 | 14.0 | 16.0 | 10.0 | 12.0 | 8.0 | 2.0 | 2.0 | 1.0 | 1.0 | 8.0 | 11.0 | 11.0 | 7.0 | 9.0 | 6.0 | 6.0 | 12.0 | 6.0 | 7.0 | 7.0 | 16.0 | 10.0 | 14.0 | 24 | 17.0 |
| 27 | 15.0 | 10.0 | 10.0 | 11.0 | 9.0 | 11.0 | 8.0 | 7.0 | 17.0 | 15.0 | 12.0 | 10.0 | 11.0 | 13.0 | 11.0 | 10.0 | 8.0 | 5.0 | 11.0 | 12.0 | 12.0 | 10.0 | 9.0 | 12.0 | 24 | 17.0 |
| 28 | 11.0 | 8.0 | 10.0 | 10.0 | 5.0 | 8.0 | 9.0 | 8.0 | 6.0 | 9.0 | 9.0 | 10.0 | 13.0 | 11.0 | 6.0 | 7.0 | 4.0 | 11.0 | 2.0 | 10.0 | 14.0 | 16.0 | 18.0 | 23.0 | 24 | 23.0 |
| 29 | 22.0 | 17.0 | 18.0 | 14.0 | 14.0 | 14.0 | 11.0 | 9.0 | 4.0 | 11.0 | 10.0 | 14.0 | 10.0 | 12.0 | 14.0 | 11.0 | 14.0 | 14.0 | 15.0 | 21.0 | 45.0IK | 23.0 | 22.0 | 25.0 | 24 | 45.0 |
| 30 | 29.0 | 17.0 | 19.0 | 16.0 | 18.0 | 15.0 | 15.0 | 17.0 | 12.0 | 16.0 | 14.0 | 14.0 | 15.0 | 12.0 | 14.0 | 12.0 | 13.0 | 14.0 | 16.0 | 14.0 | 18.0 | 14.0 | 15.0 | 15.0 | 24 | 29.0 |
| 31 | 13.0 | 10.0 | 10.0 | 9.0 | 12.0 | 11.0 | 10.0 | 14.0 | 7.0 | 10.0 | 10.0 | 9.0 | 10.0 | 7.0 | 6.0 | 7.0 | 12.0 | 7.0 | 5.0 | 4.0 | 8.0 | 5.0 | 2.0 | 5.0 | 24 | 14.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 29.0 | 20.0 | 20.0 | 23.0 | 23.0 | 16.0 | 15.0 | 17.0 | 17.0 | 16.0 | 16.0 | 15.0 | 15.0 | 13.0 | 14.0 | 12.0 | 14.0 | 16.0 | 16.0 | 21.0 | 45.0 | 23.0 | 29.0 | 25.0 | | |
| AVG: | 9.52 | 8.35 | 7.97 | 7.19 | 7.29 | 7.00 | 6.06 | 6.39 | 2.84 | 5.80 | 6.83 | 7.76 | 7.06 | 6.06 | 6.68 | 5.87 | 6.16 | 9.71 | 4.65 | 6.23 | 8.35 | 9.32 | 10.00 | 10.23 | | |

MONTHLY OBSERVATIONS: 739 MONTHLY MEAN: 7.22 MONTHLY MAX: 45.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-081-0013 POC: 3
COUNTY: (081) Guilford
CITY: (28000) Greensboro
SITE ADDRESS: 205 WILOUGHBY BLVD
SITE COMMENTS: MONITOR LOCATION MIDDLE OF PLAY FIELD
MONITOR COMMENTS: ID2=411?

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (3115) GREENSBORO, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 36.109167
LONGITUDE: -79.801111
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 247
PROBE HEIGHT: 2.06

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: NOVEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.0 | 3.0 | 8.0 | 7.0 | 6.0 | 5.0 | 9.0 | 7.0 | 5.0 | 7.0 | 6.0 | 4.0 | 6.0 | 6.0 | 5.0 | 7.0 | 9.0 | 10.0 | 10.0 | 9.0 | 8.0 | 13.0 | 11.0 | 9.0 | 24 | 13.0 |
| 2 | 9.0IT | 11.0IT | 11.0IT | 13.0IT | 13.0IT | 11.0IT | 9.0IT | 9.0IT | 5.0IT | 15.0IT | 15.0IT | 17.0IT | 18.0IT | 20.0IT | 22.0IT | 22.0IT | 20.0IT | 22.0IT | 21.0IT | 18.0IT | 25.0IT | 20.0IT | 24.0IT | 20.0IT | 24 | 25.0 |
| 3 | 19.0IT | 17.0IT | 14.0IT | 15.0IT | 14.0IT | 14.0IT | 15.0IT | 14.0IT | 9.0IT | 16.0IT | 25.0IT | 22.0IT | 22.0IT | 18.0IT | 15.0IT | 11.0IT | 14.0IT | 17.0IT | 15.0IT | 15.0IT | 16.0IT | 14.0IT | 17.0IT | 17.0IT | 24 | 25.0 |
| 4 | 15.0 | 15.0 | 14.0 | 17.0 | 9.0 | 3.0 | 2.0 | 3.0 | -1.0 | 7.0 | AX | AX | BA | 2.0 | .0 | .0 | 1.0 | 8.0 | 2.0 | 6.0 | 17.0 | 8.0 | 8.0 | 8.0 | 21 | 17.0 |
| 5 | 6.0 | 6.0 | 4.0 | 5.0 | 1.0 | 2.0 | 6.0 | 10.0 | .0 | 3.0 | 6.0 | 2.0 | 8.0 | 6.0 | 4.0 | 3.0 | 6.0 | 12.0 | 7.0 | 27.0 | 41.0 | 40.0 | 38.0 | 38.0 | 24 | 41.0 |
| 6 | 35.0 | 25.0 | 19.0 | 17.0 | 16.0 | 14.0 | 10.0 | 11.0 | 4.0 | 6.0 | 4.0 | 7.0 | 5.0 | 5.0 | 4.0 | 4.0 | 2.0 | 9.0 | 6.0 | 12.0 | 16.0 | 15.0 | 12.0 | 12.0 | 24 | 35.0 |
| 7 | 13.0 | 8.0 | 6.0 | 9.0 | 7.0 | 6.0 | 6.0 | 2.0 | -3.0 | 4.0 | 5.0 | 5.0 | 4.0 | 1.0 | 3.0 | .0 | 3.0 | 9.0 | 3.0 | 4.0 | 6.0 | 4.0 | 7.0 | 5.0 | 24 | 13.0 |
| 8 | 8.0 | 10.0 | 2.0 | 5.0 | 6.0 | 4.0 | 3.0 | 5.0 | -1.0 | 9.0 | 13.0 | 7.0 | 7.0 | 6.0 | 4.0 | 8.0 | 5.0 | 7.0 | 7.0 | 8.0 | 10.0 | 11.0 | 12.0 | 11.0 | 24 | 13.0 |
| 9 | 11.0IT | 9.0IT | 16.0IT | 21.0IT | 22.0IT | 33.0IT | 39.0IT | 48.0IT | 51.0IT | 54.0IT | 41.0IT | 22.0IT | 7.0IT | 5.0IT | 8.0IT | 3.0IT | -2.0IT | 1.0IT | 3.0IT | .0IT | 3.0IT | 3.0IT | 4.0IT | 4.0IT | 24 | 54.0 |
| 10 | 3.0 | 5.0 | 3.0 | 3.0 | .0 | -1.0 | .0 | 4.0 | -5.0 | -1.0 | 3.0 | 3.0 | 1.0 | 4.0 | 3.0 | 3.0 | 2.0 | 7.0 | 6.0 | 1.0 | 6.0 | 9.0 | 3.0 | 7.0 | 24 | 9.0 |
| 11 | 7.0 | 5.0 | 1.0 | 5.0 | 4.0 | 4.0 | .0 | 5.0 | -4.0 | 2.0 | 7.0 | 6.0 | 5.0 | 5.0 | 7.0 | 8.0 | 10.0 | 7.0 | 1.0 | 7.0 | 5.0 | 7.0 | 5.0 | 7.0 | 24 | 10.0 |
| 12 | 7.0 | 9.0 | 7.0 | .0 | 3.0 | 3.0 | 3.0 | 2.0 | -4.0 | 1.0 | 3.0 | 3.0 | 4.0 | 8.0 | .0 | 3.0 | 5.0 | 7.0 | 2.0 | 6.0 | 18.0 | 21.0 | 25.0 | 26.0 | 24 | 26.0 |
| 13 | 31.0 | 28.0 | 28.0 | 16.0 | 8.0 | 12.0 | 11.0 | 9.0 | 1.0 | 7.0 | 9.0 | 6.0 | .0 | .0 | -1.0 | 6.0 | 6.0 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 17 | 31.0 |
| 14 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AX | BA | 9.0 | 11.0 | 5.0 | 4.0 | .0 | 6.0 | 11.0 | 13.0 | 8 | 13.0 |
| 15 | 16.0IT | 12.0IT | 14.0IT | 12.0IT | 6.0IT | 7.0IT | 13.0IT | 9.0IT | 5.0IT | 6.0IT | 20.0IT | 26.0IT | 24.0IT | 19.0IT | 19.0IT | 17.0IT | 16.0IT | 23.0IT | 19.0IT | 24.0IT | 26.0IT | 30.0IT | 33.0IT | 35.0IT | 24 | 35.0 |
| 16 | 40.0IT | 45.0IT | 46.0IT | 46.0IT | 39.0IT | 33.0IT | 24.0IT | 18.0IT | 14.0IT | 14.0IT | 22.0IT | 21.0IT | 12.0IT | 10.0IT | 14.0IT | 10.0IT | 14.0IT | 19.0IT | 16.0IT | 16.0IT | 16.0IT | 19.0IT | 20.0IT | 28.0IT | 24 | 46.0 |
| 17 | 35.0IT | 37.0IT | 26.0IT | 16.0IT | 14.0IT | 10.0IT | 11.0IT | 10.0IT | 7.0IT | 7.0IT | 13.0IT | 13.0IT | 10.0IT | 11.0IT | 8.0IT | 9.0IT | 9.0IT | 13.0IT | 9.0IT | 8.0IT | 10.0IT | 15.0IT | 17.0IT | 19.0IT | 24 | 37.0 |
| 18 | 19.0IT | 18.0IT | 19.0IT | 20.0IT | 18.0IT | 20.0IT | 20.0IT | 23.0IT | 19.0IT | 20.0IT | 37.0IT | 54.0IT | 63.0IT | 65.0IT | 53.0IT | 62.0IT | 50.0IT | 49.0IT | 52.0IT | 44.0IT | 47.0IT | 50.0IT | 55.0IT | 52.0IT | 24 | 65.0 |
| 19 | 43.0IT | 43.0IT | 40.0IT | 34.0IT | 36.0IT | 30.0IT | 29.0IT | 24.0IT | 20.0IT | 22.0IT | 26.0IT | 20.0IT | 17.0IT | 23.0IT | 12.0IT | -4.0IT | 2.0IT | -1.0IT | -3.0IT | .0IT | -2.0IT | 4.0IT | .0IT | 1.0IT | 24 | 43.0 |
| 20 | .0 | 1.0 | 2.0 | 1.0 | .0 | 6.0 | 5.0 | -1.0 | 1.0 | 3.0 | 1.0 | 9.0 | 7.0 | 4.0 | 6.0 | 2.0 | 3.0 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 17 | 9.0 |
| 21 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | BA | 3.0 | 2.0 | 6.0 | .0 | 4.0 | 3.0 | 3.0 | 4.0 | 10.0 | 9 | 10.0 |
| 22 | 8.0 | .0 | 4.0 | 6.0 | 5.0 | -1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 11.0 | .0 | 2.0 | 2.0 | .0 | 2.0 | 7.0 | 3.0 | 10.0 | 5.0 | 10.0 | 14.0 | 16.0 | 24 | 16.0 |
| 23 | 19.0 | 19.0 | 17.0 | 14.0 | 14.0 | 11.0 | 8.0 | 9.0 | 6.0 | 5.0 | 10.0 | 18.0 | 8.0 | 8.0 | 13.0 | 7.0 | 7.0 | 10.0 | 11.0 | 10.0 | 7.0 | 11.0 | 9.0 | 11.0 | 24 | 19.0 |
| 24 | 14.0IT | 11.0IT | 10.0IT | 9.0IT | 11.0IT | 11.0IT | 12.0IT | 15.0IT | 11.0IT | 11.0IT | 13.0IT | 14.0IT | 13.0IT | 14.0IT | 17.0IT | 18.0IT | 19.0IT | 17.0IT | 42.0IT | 17.0IT | 19.0IT | 19.0IT | 28.0IT | 24.0IT | 24 | 42.0 |
| 25 | 28.0IT | 24.0IT | 23.0IT | 23.0IT | 22.0IT | 22.0IT | 20.0IT | 20.0IT | 17.0IT | 15.0IT | 18.0IT | 17.0IT | 15.0IT | 7.0IT | 10.0IT | 10.0IT | 11.0IT | 11.0IT | 22.0IT | 14.0IT | 15.0IT | 27.0IT | 18.0IT | 13.0IT | 24 | 28.0 |
| 26 | 13.0 | 9.0 | 10.0 | 7.0 | 6.0 | 7.0 | 3.0 | 4.0 | 2.0 | 1.0 | 5.0 | 2.0 | 3.0 | 9.0 | 3.0 | 9.0 | 6.0 | 7.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 4.0 | 24 | 13.0 |
| 27 | 8.0 | 8.0 | 9.0 | 5.0 | 5.0 | 4.0 | 5.0 | 6.0 | 1.0 | -3.0 | 6.0 | 8.0 | 2.0 | 6.0 | 8.0 | 7.0 | 7.0 | 12.0 | 10.0 | 12.0 | 18.0 | 29.0 | 38.0 | 38.0 | 24 | 38.0 |
| 28 | 41.0IT | 37.0IT | 28.0IT | 23.0IT | 18.0IT | 17.0IT | 11.0IT | 12.0IT | 9.0IT | 15.0IT | 13.0IT | 10.0IT | 7.0IT | 9.0IT | AZ | BA | 14.0IT | 9.0IT | 10.0IT | 10.0IT | 10.0IT | 11.0IT | 5.0IT | 9.0IT | 22 | 41.0 |
| 29 | 9.0 | 7.0 | 4.0 | 11.0 | 6.0 | 4.0 | 6.0 | 7.0 | 5.0 | 6.0 | 5.0 | 6.0 | 3.0 | 7.0 | 3.0 | 4.0 | 2.0 | 3.0 | 4.0 | 4.0 | 3.0 | 9.0 | 9.0 | 9.0 | 24 | 11.0 |
| 30 | 2.0 | 7.0 | 11.0 | 5.0 | 5.0 | 8.0 | 4.0 | 4.0 | 10.0 | 7.0 | 3.0 | 12.0 | 4.0 | 6.0 | 10.0 | 6.0 | 8.0 | 4.0 | 3.0 | 6.0 | 6.0 | .0 | 11.0 | 3.0 | 24 | 12.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 27 | 27 | 27 | 28 | 27 | 28 | 30 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | | |
| MAX: | 43.0 | 45.0 | 46.0 | 46.0 | 39.0 | 33.0 | 39.0 | 48.0 | 51.0 | 54.0 | 41.0 | 54.0 | 63.0 | 65.0 | 53.0 | 62.0 | 50.0 | 49.0 | 52.0 | 44.0 | 47.0 | 50.0 | 55.0 | 52.0 | | |
| AVG: | 16.61 | 15.32 | 14.14 | 13.04 | 11.21 | 10.68 | 10.18 | 10.32 | 6.61 | 9.29 | 12.22 | 12.78 | 10.19 | 10.21 | 9.33 | 8.50 | 8.73 | 11.29 | 10.43 | 10.79 | 12.79 | 14.71 | 15.79 | 16.04 | | |

MONTHLY OBSERVATIONS: 670 MONTHLY MEAN: 11.71 MONTHLY MAX: 65.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-081-0013 POC: 3
COUNTY: (081) Guilford
CITY: (28000) Greensboro
SITE ADDRESS: 205 WILOUGHBY BLVD
SITE COMMENTS: MONITOR LOCATION MIDDLE OF PLAY FIELD
MONITOR COMMENTS: ID2=411?

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (3115) GREENSBORO, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 36.109167
LONGITUDE: -79.801111
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 247
PROBE HEIGHT: 2.06

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: DECEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.0 | 4.0 | 3.0 | 2.0 | -1.0 | 4.0 | 4.0 | 2.0 | 1.0 | -4.0 | 5.0 | 1.0 | 4.0 | 5.0 | 2.0 | 3.0 | 4.0 | 3.0 | 3.0 | 2.0 | .0 | .0 | 3.0 | 4.0 | 24 | 5.0 |
| 2 | 4.0 | 2.0 | 1.0 | 6.0 | 8.0 | 4.0 | 4.0 | 3.0 | 4.0 | -5.0 | 4.0 | 2.0 | 1.0 | 2.0 | 3.0 | .0 | 1.0 | 5.0 | 3.0 | 4.0 | 4.0 | 12.0 | 10.0 | 4.0 | 24 | 12.0 |
| 3 | 3.0 | 2.0 | 5.0 | 4.0 | 5.0 | 6.0 | 5.0 | 6.0 | .0 | -4.0 | 12.0 | 5.0 | 4.0 | 3.0 | 6.0 | 2.0 | 4.0 | 5.0 | 3.0 | 5.0 | 12.0 | 22.0 | 5.0 | 9.0 | 24 | 22.0 |
| 4 | 8.0 | 5.0 | 6.0 | 4.0 | -1.0 | .0 | 2.0 | 5.0 | 7.0 | 7.0 | 1.0 | 9.0 | 8.0 | 5.0 | 7.0 | 12.0 | 10.0 | 12.0 | 13.0 | 5.0 | 9.0 | 7.0 | 6.0 | 5.0 | 24 | 13.0 |
| 5 | 7.0 | 8.0 | .0 | 4.0 | 3.0 | 3.0 | .0 | 3.0 | 2.0 | 1.0 | 2.0 | 7.0 | 5.0 | 6.0 | 3.0 | -5.0 | 7.0 | 1.0 | 4.0 | 2.0 | 3.0 | 6.0 | 2.0 | 1.0 | 24 | 8.0 |
| 6 | 4.0 | 8.0 | 5.0 | 3.0 | 7.0 | 2.0 | 5.0 | 2.0 | 5.0 | 5.0 | 2.0 | .0 | AV | AV | -4.0 | .0 | 1.0 | -1.0 | -4.0 | 1.0 | -1.0 | 4.0 | 3.0 | 3.0 | 22 | 8.0 |
| 7 | 4.0 | 4.0 | 8.0 | .0 | 5.0 | 3.0 | 4.0 | 1.0 | 2.0 | -2.0 | 3.0 | 2.0 | 4.0 | 3.0 | 7.0 | 5.0 | 10.0 | 6.0 | 4.0 | 4.0 | 5.0 | 13.0 | 12.0 | 13.0 | 24 | 13.0 |
| 8 | 16.0 | 14.0 | 18.0 | 16.0 | 15.0 | 13.0 | 11.0 | 11.0 | 5.0 | 6.0 | 8.0 | 6.0 | 4.0 | 2.0 | .0 | 3.0 | -1.0 | 4.0 | -2.0 | 3.0 | 1.0 | 4.0 | .0 | 1.0 | 24 | 18.0 |
| 9 | 2.0 | 3.0 | 3.0 | 1.0 | 2.0 | 2.0 | 4.0 | 4.0 | 3.0 | AX | BA | 5.0 | 2.0 | 1.0 | 5.0 | 2.0 | 2.0 | 8.0 | -1.0 | 1.0 | 2.0 | 3.0 | 10.0 | 5.0 | 22 | 10.0 |
| 10 | 3.0 | 6.0 | 2.0 | 5.0 | 2.0 | 4.0 | .0 | 5.0 | .0 | -2.0 | 5.0 | 2.0 | 5.0 | 2.0 | 5.0 | .0 | 4.0 | 7.0 | .0 | 14.0 | 31.0 | 22.0 | 36.0 | 49.0 | 24 | 49.0 |
| 11 | 64.0 | 63.0 | 67.0 | 55.0 | 44.0 | 31.0 | 31.0 | 29.0 | 27.0 | 16.0 | 24.0 | 11.0 | 10.0 | 9.0 | 6.0 | 6.0 | 5.0 | 8.0 | 10.0 | 7.0 | 12.0 | 12.0 | 13.0 | 11.0 | 24 | 67.0 |
| 12 | 12.0 | 10.0 | 10.0 | 10.0 | 13.0 | 9.0 | 10.0 | 11.0 | 14.0 | 14.0 | 15.0 | 16.0 | 14.0 | 14.0 | 15.0 | 14.0 | 13.0 | 13.0 | 10.0 | 9.0 | 18.0 | 16.0 | 33.0 | 18.0 | 24 | 33.0 |
| 13 | 10.0 | 6.0 | 2.0 | 3.0 | 4.0 | 3.0 | 1.0 | 1.0 | 4.0 | 3.0 | 4.0 | 5.0 | 3.0 | 6.0 | 7.0 | 8.0 | 5.0 | 7.0 | 4.0 | 8.0 | 7.0 | 9.0 | 11.0 | 11.0 | 24 | 11.0 |
| 14 | 6.0 | 4.0 | 8.0 | 6.0 | 4.0 | 4.0 | 4.0 | 9.0 | 5.0 | 1.0 | .0 | 3.0 | 3.0 | 1.0 | 3.0 | 1.0 | 1.0 | 4.0 | 5.0 | 5.0 | 10.0 | 10.0 | 14.0 | 12.0 | 24 | 14.0 |
| 15 | 14.0 | 15.0 | 11.0 | 9.0 | 10.0 | 7.0 | 4.0 | 4.0 | 1.0 | 2.0 | 2.0 | 4.0 | 3.0 | 3.0 | 4.0 | .0 | .0 | .0 | -2.0 | .0 | 2.0 | 2.0 | .0 | 1.0 | 24 | 15.0 |
| 16 | -1.0 | 3.0 | -1.0 | 1.0 | 1.0 | .0 | 2.0 | 2.0 | .0 | .0 | 2.0 | 3.0 | 4.0 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 13 | 4.0 |
| 17 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 18 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 19 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AX | BA | BA | 8.0 | 7.0 | 8.0 | 3.0 | 7.0 | 7.0 | 2.0 | 4.0 | 5.0 | 9 | 8.0 |
| 20 | -1.0 | 3.0 | 2.0 | 1.0 | 3.0 | 7.0 | 5.0 | 6.0 | 3.0 | 4.0 | 4.0 | 6.0 | 2.0 | 9.0 | 7.0 | 10.0 | 5.0 | 13.0 | 9.0 | 8.0 | 13.0 | 17.0 | 22.0 | 21.0 | 24 | 22.0 |
| 21 | 16.0 | 16.0 | 13.0 | 12.0 | 12.0 | 12.0 | 13.0 | 10.0 | 17.0 | 11.0 | 9.0 | 4.0 | 7.0 | 5.0 | 6.0 | 6.0 | 12.0 | 10.0 | 4.0 | 9.0 | 11.0 | 16.0 | 17.0 | 20.0 | 24 | 20.0 |
| 22 | 9.0 | 10.0 | 8.0 | 7.0 | 12.0 | 12.0 | 9.0 | 9.0 | 11.0 | 6.0 | 10.0 | 10.0 | 10.0 | 11.0 | 9.0 | 6.0 | 7.0 | 4.0 | 6.0 | 1.0 | 6.0 | 5.0 | .0 | .0 | 24 | 12.0 |
| 23 | 2.0 | 2.0 | 3.0 | 4.0 | 6.0 | 4.0 | 3.0 | 4.0 | 6.0 | 9.0 | 12.0 | 10.0 | 9.0 | 8.0 | 8.0 | 5.0 | 11.0 | 12.0 | 7.0 | 13.0 | 14.0 | 12.0 | 15.0 | 11.0 | 24 | 15.0 |
| 24 | 10.0 | 11.0 | 12.0 | 8.0 | 9.0 | 13.0 | 13.0 | 10.0 | 9.0 | 10.0 | 14.0 | 12.0 | 14.0 | 15.0 | 10.0 | 14.0 | 15.0 | 15.0 | 12.0 | 14.0 | 17.0 | 18.0 | 24.0 | 19.0 | 24 | 24.0 |
| 25 | 18.0 | 18.0 | 18.0 | 20.0 | 18.0 | 12.0 | 17.0 | 14.0 | 14.0 | 12.0 | 12.0 | 5.0 | 8.0 | 4.0 | 7.0 | 11.0 | 5.0 | 9.0 | 9.0 | 11.0 | 14.0 | 9.0 | 10.0 | 6.0 | 24 | 20.0 |
| 26 | 8.0 | 7.0 | 6.0 | 6.0 | 4.0 | 6.0 | 7.0 | 5.0 | 6.0 | 4.0 | 3.0 | 3.0 | 6.0 | 5.0 | 5.0 | 4.0 | 9.0 | 10.0 | 8.0 | 9.0 | 11.0 | 14.0 | 16.0 | 16.0 | 24 | 16.0 |
| 27 | 15.0 | 12.0 | 12.0 | 11.0 | 15.0 | 14.0 | 15.0 | 12.0 | 10.0 | 10.0 | 7.0 | 8.0 | 4.0 | 12.0 | 9.0 | 10.0 | 6.0 | 7.0 | 7.0 | 4.0 | 7.0 | 5.0 | 11.0 | 8.0 | 24 | 15.0 |
| 28 | 1.0 | -4.0 | -2.0 | 1.0 | 3.0 | 3.0 | 2.0 | .0 | -2.0 | -5.0 | 5.0 | 1.0 | 6.0 | 2.0 | 2.0 | .0 | 2.0 | 4.0 | 1.0 | 5.0 | 1.0 | 5.0 | 15.0 | 12.0 | 24 | 15.0 |
| 29 | 15.0 | 16.0 | 7.0 | 5.0 | 9.0 | 6.0 | 7.0 | 7.0 | 8.0 | 5.0 | 11.0 | 12.0 | 7.0 | 5.0 | 9.0 | -3.0 | 2.0 | 3.0 | -4.0 | .0 | 1.0 | 3.0 | -1.0 | 1.0 | 24 | 16.0 |
| 30 | 1.0 | 4.0 | 1.0 | 4.0 | .0 | 2.0 | -1.0 | 4.0 | 2.0 | 1.0 | .0 | 3.0 | 2.0 | 3.0 | -2.0 | -1.0 | 3.0 | 5.0 | 1.0 | 13.0 | 21.0 | 14.0 | 12.0 | 14.0 | 24 | 21.0 |
| 31 | 22.0 | 28.0 | 28.0 | 23.0 | 17.0 | 14.0 | 10.0 | 8.0 | 7.0 | -1.0 | 12.0 | 7.0 | 3.0 | 4.0 | 1.0 | 5.0 | 6.0 | 3.0 | 2.0 | 5.0 | 4.0 | 5.0 | 4.0 | 5.0 | 24 | 28.0 |
| NO.: | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 27 | 27 | 28 | 27 | 26 | 27 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | | |
| MAX: | 64.0 | 63.0 | 67.0 | 55.0 | 44.0 | 31.0 | 31.0 | 29.0 | 27.0 | 16.0 | 24.0 | 16.0 | 14.0 | 15.0 | 15.0 | 14.0 | 15.0 | 15.0 | 13.0 | 14.0 | 31.0 | 22.0 | 36.0 | 49.0 | | |
| AVG: | 9.75 | 10.00 | 9.14 | 8.25 | 8.18 | 7.14 | 6.82 | 6.68 | 6.11 | 3.85 | 6.96 | 5.79 | 5.63 | 5.58 | 5.19 | 4.50 | 5.57 | 6.61 | 4.11 | 6.04 | 8.64 | 9.54 | 10.96 | 10.18 | | |

MONTHLY OBSERVATIONS: 666 MONTHLY MEAN: 7.15 MONTHLY MAX: 67.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-101-0002 POC: 1
COUNTY: (101) Johnston
CITY: (00000) Not in a city
SITE ADDRESS: 1338 JACK ROAD
SITE COMMENTS: Upwind site for Raleigh
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.590833
LONGITUDE: -78.461944
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 127
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: 2016

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

| Day | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.2 | | 17.4 | | | | | AV | | | | |
| 2 | | | | | | 7.5 | 7.9 | | | | 9.2 | 4.7 |
| 3 | | 4.8 | | 4.1 | 4.6 | | | 6.6 | 4.2 | 9.2 | | |
| 4 | 4.5 | | 6.6 | | | | | 5.5 | | | | |
| 5 | | | | | | 6.6 | 9.9 | | | | 6.7 | 2.8 |
| 6 | | 5.5 | | 4.5 | 2.0 | | | | 9.8 | 4.5 | | |
| 7 | 7.8 | | 11.7 | | | | | 10.0 | | | | |
| 8 | | | | | | 6.0 | 7.0 | | | | 6.2 | 5.0 |
| 9 | | 4.6 | | 3.0 | 16.2 | | | | 14.7 | SA | | |
| 10 | 2.4 | | 8.2 | | | | | 6.5 | | | | |
| 11 | | | | | | 13.0 | 10.9 | | | | 6.0 | 9.2 |
| 12 | | 6.0 | | 4.6 | 13.7 | | | | 7.7 | AN | | |
| 13 | 3.1 | | 7.4 | | | | | 7.0 | | | | |
| 14 | | | | | | 13.2 | 15.4 | | | | 5.7 | 5.2 |
| 15 | | 5.0 | | 4.7 | 3.8 | | | | 9.2 | AN | | |
| 16 | 4.6 | | 13.8 | | | | | 5.2 | | | | |
| 17 | | | | | | 5.2 | AV | | | | 12.0 | 5.9 |
| 18 | | 5.9 | | 9.2 | 5.2 | | | | 4.5 | AN | | |
| 19 | 3.5 V | | 10.3 | | | | 8.7 | 6.1 | | 10.5 | | |
| 20 | | | | | | 8.4 | 8.4 | | | 10.4 | 3.3 | 5.1 |
| 21 | | 16.0 | | 11.6 | 3.8 | | | | 1.3 V | 5.4 | | |
| 22 | 6.5 | | 7.1 | | | | | 5.8 | | | | |
| 23 | | | | | | 14.5 | 11.0 | | | | 8.5 | 6.5 |
| 24 | | 4.4 | | 6.4 | 7.9 | | | | 22.7 | 8.3 | | |
| 25 | 12.7 | | 7.8 | | | | | 10.6 | | | | |
| 26 | | | | | | 8.0 | 10.8 | | | | 9.5 | 6.3 |
| 27 | | 5.4 | | 10.7 | 8.8 | | | | 8.0 | 7.9 | | |
| 28 | 9.0 | | 3.3 | | | | | 10.0 | | | | |
| 29 | | | | | | 10.2 | 7.9 | | | | 3.7 | 4.3 |
| 30 | | | | 5.6 | 4.4 | | | | 5.1 | 15.5 | | |
| 31 | 8.5 | | 6.0 | | | | | 7.6 | | | | |
| NO.: | 11 | 9 | 11 | 10 | 10 | 10 | 10 | 11 | 10 | 8 | 10 | 10 |
| MAX: | 12.7 | 16.0 | 17.4 | 11.6 | 16.2 | 14.5 | 15.4 | 10.6 | 22.7 | 15.5 | 12.0 | 9.2 |
| MEAN: | 6.07 | 6.40 | 9.05 | 6.44 | 7.04 | 9.26 | 9.79 | 7.35 | 8.72 | 8.96 | 7.08 | 5.50 |

ANNUAL OBSERVATIONS: 120 ANNUAL MEAN: 7.62 ANNUAL MAX: 22.7

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-101-0002 POC: 3
COUNTY: (101) Johnston
CITY: (00000) Not in a city
SITE ADDRESS: 1338 JACK ROAD
SITE COMMENTS: Upwind site for Raleigh
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.590833
LONGITUDE: -78.461944
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 127
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JUNE 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 15 | | | | | | | | | | BA | BA | BA | BC | BC | 11.0 | 18.0 | 17.0 | 16.0 | 18.0 | 15.0 | 4.0 | 8.0 | 8.0 | 13.0 | 10 | 18.0 |
| 16 | 11.0 | 8.0 | 4.0 | 7.0 | 6.0 | 11.0 | 7.0 | 7.0 | 4.0 | 11.0 | 12.0 | 12.0 | 10.0 | 8.0 | 8.0 | 9.0 | 5.0 | 5.0 | 7.0 | 1.0 | 8.0 | 8.0 | 2.0 | 9.0 | 24 | 12.0 |
| 17 | 6.0 | 11.0 | 9.0 | 5.0 | 3.0 | 6.0 | 4.0 | 5.0 | 13.0 | 11.0 | 4.0 | 7.0 | 3.0 | 5.0 | 10.0 | -1.0 | 14.0 | -5.0 | 4.0 | -5.0 | 1.0 | 6.0 | 2.0 | .0 | 24 | 14.0 |
| 18 | 7.0 | 6.0 | 3.0 | 1.0 | 6.0 | 6.0 | 5.0 | 4.0 | 10.0 | 9.0 | 6.0 | 8.0 | 7.0 | 3.0 | 5.0 | 5.0 | 4.0 | 4.0 | 5.0 | -1.0 | .0 | -1.0 | 4.0 | 3.0 | 24 | 10.0 |
| 19 | 9.0 | 7.0 | 7.0 | 7.0 | 8.0 | 5.0 | 3.0 | 9.0 | 14.0 | AV | AV | AV | 9.0 | 2.0 | 6.0 | 3.0 | 9.0 | 5.0 | 6.0 | 3.0 | 2.0 | 3.0 | 7.0 | 9.0 | 21 | 14.0 |
| 20 | 9.0 | 9.0 | 8.0 | 5.0 | 8.0 | 9.0 | 7.0 | 11.0 | 14.0 | 16.0 | 10.0 | 15.0 | 10.0 | 4.0 | 8.0 | 3.0 | 6.0 | 10.0 | 13.0 | 14.0 | 5.0 | 12.0 | 12.0 | 12.0 | 24 | 16.0 |
| 21 | 8.0 | 8.0 | 8.0 | 10.0 | 9.0 | 12.0 | 10.0 | 8.0 | 17.0 | 10.0 | 22.0 | 13.0 | 14.0 | 16.0 | 15.0 | 14.0 | 20.0 | 18.0 | 15.0 | 12.0 | 14.0 | 11.0 | 12.0 | 31.0 | 24 | 31.0 |
| 22 | AV | AV | AV | 9.0 | 8.0 | 8.0 | 5.0 | 14.0 | 15.0 | 17.0 | 17.0 | 15.0 | 13.0 | 16.0 | 9.0 | 14.0 | 9.0 | 11.0 | 17.0 | 8.0 | 12.0 | 12.0 | 15.0 | 14.0 | 21 | 17.0 |
| 23 | 18.0 | 19.0 | 18.0 | 17.0 | 16.0 | 15.0 | 22.0 | 17.0 | 21.0 | 23.0 | 20.0 | 26.0 | 18.0 | 6.0 | 14.0 | 19.0 | 19.0 | 16.0 | 13.0 | 13.0 | 19.0 | 4.0 | -4.0 | 1.0 | 24 | 26.0 |
| 24 | 2.0 | 6.0 | 5.0 | 3.0 | 2.0 | 2.0 | 2.0 | 7.0 | 6.0 | 4.0 | 10.0 | 11.0 | 13.0 | 13.0 | 17.0 | 14.0 | 11.0 | 20.0 | 9.0 | 9.0 | 8.0 | 13.0 | 17.0 | 16.0 | 24 | 20.0 |
| 25 | 19.0 | 16.0 | 18.0 | 17.0 | 19.0 | 15.0 | 11.0 | 19.0 | 15.0 | 15.0 | 9.0 | 17.0 | 11.0 | 17.0 | 12.0 | 6.0 | 11.0 | 8.0 | 11.0 | 5.0 | 5.0 | 6.0 | 10.0 | 7.0 | 24 | 19.0 |
| 26 | 6.0 | 14.0 | 4.0 | 9.0 | 7.0 | 11.0 | 5.0 | 12.0 | 14.0 | 7.0 | 6.0 | 9.0 | 10.0 | 6.0 | 6.0 | 9.0 | 9.0 | 6.0 | 7.0 | 4.0 | 6.0 | 1.0 | 9.0 | 6.0 | 24 | 14.0 |
| 27 | 5.0 | 9.0 | 12.0 | 13.0 | 12.0 | 15.0 | 16.0 | 17.0 | 17.0 | AV | AV | AV | 14.0 | 11.0 | 13.0 | 10.0 | 11.0 | 6.0 | 15.0 | 5.0 | 6.0 | 12.0 | 10.0 | 8.0 | 21 | 17.0 |
| 28 | 6.0 | .0 | 5.0 | 8.0 | 4.0 | 1.0 | -1.0 | 13.0 | 8.0 | 6.0 | 4.0 | 7.0 | 5.0 | 9.0 | 4.0 | 5.0 | 4.0 | 7.0 | 8.0 | 9.0 | 9.0 | 9.0 | 7.0 | 9.0 | 24 | 13.0 |
| 29 | 10.0 | 5.0 | 3.0 | 10.0 | 8.0 | 13.0 | 13.0 | 17.0 | 15.0 | AX | BA | BA | 19.0 2 | 10.0 2 | 9.0 2 | 8.0 2 | 14.0 2 | 15.0 2 | 17.0 2 | 10.0 2 | 17.0 2 | -5.0 2 | 6.0 2 | 7.0 2 | 21 | 19.0 |
| 30 | 4.0 2 | 4.0 2 | 3.0 2 | 8.0 2 | 4.0 2 | 7.0 2 | 8.0 2 | 6.0 2 | 8.0 2 | 9.0 2 | 13.0 2 | 10.0 2 | 8.0 2 | 11.0 2 | 7.0 2 | 11.0 2 | 11.0 2 | 15.0 2 | 10.0 2 | 13.0 2 | 11.0 2 | 9.0 2 | 5.0 2 | 6.0 2 | 24 | 15.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 14 | 14 | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 12 | 12 | 12 | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | | |
| MAX: | 19.0 | 19.0 | 18.0 | 17.0 | 19.0 | 15.0 | 22.0 | 19.0 | 21.0 | 23.0 | 22.0 | 26.0 | 19.0 | 17.0 | 17.0 | 19.0 | 20.0 | 20.0 | 18.0 | 15.0 | 19.0 | 13.0 | 17.0 | 31.0 | | |
| AVG: | 8.57 | 8.71 | 7.64 | 8.60 | 8.00 | 9.07 | 7.80 | 11.07 | 12.73 | 11.50 | 11.08 | 12.50 | 10.93 | 9.13 | 9.63 | 9.19 | 10.88 | 9.81 | 10.94 | 7.19 | 7.94 | 6.75 | 7.63 | 9.44 | | |

MONTHLY OBSERVATIONS: 358 MONTHLY MEAN: 9.39 MONTHLY MAX: 31.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-101-0002 POC: 3
COUNTY: (101) Johnston
CITY: (00000) Not in a city
SITE ADDRESS: 1338 JACK ROAD
SITE COMMENTS: Upwind site for Raleigh
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.590833
LONGITUDE: -78.461944
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 127
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JULY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -3.0 2 | 6.0 2 | 4.0 2 | 7.0 2 | 9.0 2 | 12.0 2 | 12.0 2 | 10.0 2 | 15.0 2 | 11.0 2 | 8.0 2 | 19.0 2 | 10.0 2 | 9.0 2 | 6.0 2 | 11.0 2 | 9.0 2 | 13.0 2 | 15.0 2 | 12.0 2 | 20.0 2 | 14.0 2 | 11.0 2 | 7.0 2 | 24 | 20.0 |
| 2 | 6.0 2 | 8.0 2 | 8.0 2 | 7.0 2 | 9.0 2 | 7.0 2 | 5.0 2 | 9.0 2 | 8.0 2 | 6.0 2 | 14.0 2 | 11.0 2 | 10.0 2 | 13.0 2 | 10.0 2 | 9.0 2 | 10.0 2 | 21.0 2 | -5.0 2 | 4.0 2 | 3.0 2 | 6.0 2 | 6.0 2 | 5.0 2 | 24 | 21.0 |
| 3 | 4.0 2 | 8.0 2 | 9.0 2 | 9.0 2 | 8.0 2 | 13.0 2 | -1.0 2 | 1.0 2 | 4.0 2 | 4.0 2 | 9.0 2 | 7.0 2 | 3.0 2 | 11.0 2 | 8.0 2 | 13.0 2 | 12.0 2 | 14.0 2 | 8.0 2 | 8.0 2 | 10.0 2 | 3.0 2 | 8.0 2 | 11.0 2 | 24 | 14.0 |
| 4 | 12.0 2 | 10.0 2 | 12.0 2 | 10.0 2 | 14.0 2 | 9.0 2 | 14.0 2 | 4.0 2 | 11.0 2 | 10.0 2 | 11.0 2 | 12.0 2 | 11.0 2 | 15.0 2 | 18.0 2 | 18.0 2 | 24.0 2 | 21.0 2 | 24.0 2 | 5.0 2 | 9.0 2 | 5.0 2 | 11.0 2 | 13.0 2 | 24 | 24.0 |
| 5 | 12.0 2 | 10.0 2 | 9.0 2 | 10.0 2 | 10.0 2 | 8.0 2 | 7.0 2 | 11.0 2 | 10.0 2 | 16.0 2 | 15.0 2 | 14.0 2 | 18.0 2 | 16.0 2 | 15.0 2 | 13.0 2 | 15.0 2 | AV | BA | BA | 10.0 2 | 6.0 2 | 5.0 2 | 6.0 2 | 21 | 18.0 |
| 6 | 11.0 2 | 10.0 2 | 9.0 2 | 8.0 2 | 5.0 2 | 7.0 2 | 7.0 2 | 10.0 2 | 13.0 2 | 13.0 2 | 18.0 2 | 11.0 2 | 15.0 2 | 9.0 2 | 6.0 2 | 9.0 2 | 6.0 2 | 2.0 2 | 8.0 2 | 6.0 2 | 9.0 2 | 5.0 2 | 6.0 2 | 8.0 2 | 24 | 18.0 |
| 7 | 12.0 2 | 6.0 2 | 10.0 2 | 9.0 2 | 8.0 2 | 9.0 2 | 8.0 2 | 6.0 2 | 12.0 2 | 7.0 2 | 9.0 2 | 10.0 2 | 7.0 2 | 8.0 2 | 10.0 2 | 9.0 2 | 27.0 2 | -5.0 2 | -4.0 2 | 11.0 2 | 4.0 2 | 6.0 2 | 7.0 2 | 7.0 2 | 24 | 27.0 |
| 8 | 8.0 2 | 5.0 2 | 3.0 2 | 4.0 2 | 4.0 2 | 5.0 2 | 5.0 2 | 1.0 2 | 9.0 2 | 6.0 2 | 7.0 2 | 11.0 2 | 8.0 2 | 10.0 2 | 10.0 2 | 16.0 2 | 8.0 2 | 12.0 2 | 11.0 2 | 8.0 2 | 9.0 2 | .0 2 | 8.0 2 | 4.0 2 | 24 | 16.0 |
| 9 | 4.0 2 | 5.0 2 | 1.0 2 | 8.0 2 | 5.0 2 | 2.0 2 | 3.0 2 | 5.0 2 | 8.0 2 | 13.0 2 | 11.0 2 | 9.0 2 | 9.0 2 | 9.0 2 | 7.0 2 | 10.0 2 | 11.0 2 | 13.0 2 | 7.0 2 | 8.0 2 | 16.0 2 | 7.0 2 | 6.0 2 | 5.0 2 | 24 | 16.0 |
| 10 | 9.0 2 | 9.0 2 | 11.0 2 | 10.0 2 | .0 2 | 9.0 2 | 8.0 2 | 6.0 2 | 11.0 2 | 5.0 2 | 12.0 2 | 9.0 2 | 8.0 2 | 3.0 2 | 5.0 2 | 7.0 2 | 5.0 2 | 7.0 2 | 6.0 2 | 4.0 2 | 5.0 2 | 6.0 2 | 9.0 2 | 14.0 2 | 24 | 14.0 |
| 11 | 15.0 2 | 13.0 2 | 12.0 2 | 12.0 2 | 10.0 2 | 10.0 2 | 11.0 2 | 11.0 2 | 13.0 2 | 15.0 2 | 16.0 2 | 16.0 2 | 10.0 2 | 16.0 2 | 17.0 2 | 16.0 2 | 19.0 2 | 14.0 2 | 4.0 2 | 6.0 2 | 2.0 2 | 4.0 2 | 7.0 2 | 5.0 2 | 24 | 19.0 |
| 12 | 7.0 2 | 10.0 2 | 9.0 2 | 4.0 2 | 1.0 2 | 8.0 2 | 6.0 2 | 7.0 2 | 9.0 2 | 11.0 2 | 10.0 2 | 7.0 2 | 9.0 2 | 10.0 2 | 6.0 2 | 9.0 2 | 10.0 2 | 13.0 2 | 10.0 2 | 13.0 2 | 10.0 2 | 11.0 2 | .0 2 | 1.0 2 | 24 | 13.0 |
| 13 | 5.0 2 | 4.0 2 | 8.0 2 | 4.0 2 | 5.0 2 | 5.0 2 | 6.0 2 | 8.0 2 | .3 2 | 13.0 2 | 19.0 2 | 19.0 2 | 19.0 2 | 20.0 2 | 20.0 2 | 19.0 2 | 21.0 2 | 20.0 2 | 25.0 2 | 19.0 2 | 18.0 2 | 13.0 2 | 16.0 2 | 13.0 2 | 24 | 25.0 |
| 14 | 17.0 2 | 16.0 2 | 17.0 2 | 14.0 2 | 14.0 2 | 14.0 2 | 11.0 2 | 16.0 2 | 20.0 2 | 22.0 2 | 24.0 2 | 25.0 2 | 25.0 2 | 20.0 2 | 18.0 2 | 18.0 2 | 15.0 2 | 24.0 2 | 14.0 2 | 17.0 2 | 9.0 2 | 12.0 2 | 11.0 2 | 15.0 2 | 24 | 25.0 |
| 15 | 13.0 2 | 14.0 2 | 15.0 2 | 16.0 2 | 16.0 2 | 13.0 2 | 12.0 2 | 15.0 2 | 15.0 2 | 17.0 2 | 14.0 2 | 15.0 2 | 18.0 2 | 23.0 2 | 17.0 2 | 19.0 2 | 19.0 2 | 6.0 2 | 1.0 2 | 3.0 2 | 9.0 2 | 9.0 2 | 7.0 2 | 3.0 2 | 24 | 23.0 |
| 16 | 8.0 2 | 8.0 2 | 7.0 2 | 9.0 2 | 7.0 2 | 7.0 2 | 9.0 2 | 3.0 2 | 9.0 2 | 5.0 2 | 6.0 2 | 7.0 2 | 8.0 2 | 11.0 2 | 10.0 2 | 17.0 2 | AV | BA | BA | 4.0 2 | 8.0 2 | 10.0 2 | 3.0 2 | 3.0 2 | 21 | 17.0 |
| 17 | 3.0 2 | 2.0 2 | 6.0 2 | 2.0 2 | 5.0 2 | 1.0 2 | 5.0 2 | 4.0 2 | 4.0 2 | 5.0 2 | 6.0 2 | 9.0 2 | 14.0 2 | 13.0 2 | 8.0 2 | 8.0 2 | 11.0 2 | 9.0 2 | 10.0 2 | 7.0 2 | 4.0 2 | 5.0 2 | 8.0 2 | 5.0 2 | 24 | 14.0 |
| 18 | 5.0 2 | 11.0 2 | 8.0 2 | 6.0 2 | 4.0 2 | 6.0 2 | 7.0 2 | 6.0 2 | 12.0 2 | AV | BA | AX | AX | BA | BA | 8.0 2 | 11.0 2 | 8.0 2 | 10.0 2 | 8.0 2 | 7.0 2 | 6.0 2 | 8.0 2 | 7.0 2 | 18 | 12.0 |
| 19 | 8.0 2 | 9.0 2 | 7.0 2 | 5.0 2 | 4.0 2 | 7.0 2 | 4.0 2 | 4.0 2 | 9.0 2 | 17.0 2 | 13.0 2 | 14.0 2 | 14.0 2 | 14.0 2 | 11.0 2 | 15.0 2 | 9.0 2 | 10.0 2 | 2.0 2 | 4.0 2 | -5.0 2 | 1.0 2 | 5.0 2 | 5.0 2 | 24 | 17.0 |
| 20 | 7.0 2 | 5.0 2 | 5.0 2 | 8.0 2 | 6.0 2 | 8.0 2 | 9.0 2 | .0 2 | 13.0 2 | 13.0 2 | 14.0 2 | 14.0 2 | 9.0 2 | 7.0 2 | 11.0 2 | 9.0 2 | 10.0 2 | 10.0 2 | 11.0 2 | 6.0 2 | 7.0 2 | 9.0 2 | 7.0 2 | 11.0 2 | 24 | 14.0 |
| 21 | 14.0 2 | 7.0 2 | 11.0 2 | 10.0 2 | 10.0 2 | 11.0 2 | 9.0 2 | 7.0 2 | 7.0 2 | 11.0 2 | 11.0 2 | 11.0 2 | 14.0 2 | 7.0 2 | 11.0 2 | 11.0 2 | 13.0 2 | 11.0 2 | 12.0 2 | 12.0 2 | 13.0 2 | 14.0 2 | 14.0 2 | 17.0 2 | 24 | 17.0 |
| 22 | 15.0 2 | 17.0 2 | 16.0 2 | 11.0 2 | 12.0 2 | 15.0 2 | 7.0 2 | 12.0 2 | 16.0 2 | 13.0 2 | 18.0 2 | 13.0 2 | 13.0 2 | 13.0 2 | 12.0 2 | 13.0 2 | 12.0 2 | 13.0 2 | 15.0 2 | 10.0 2 | 17.0 2 | 14.0 2 | 13.0 2 | 10.0 2 | 24 | 18.0 |
| 23 | 10.0 2 | 9.0 2 | 7.0 2 | 8.0 2 | 7.0 2 | 8.0 2 | 8.0 2 | 5.0 2 | 14.0 2 | 17.0 2 | 16.0 2 | 15.0 2 | 17.0 2 | 13.0 2 | 12.0 2 | 14.0 2 | 15.0 2 | 16.0 2 | 13.0 2 | 14.0 2 | 16.0 2 | 13.0 2 | 13.0 2 | 6.0 2 | 24 | 17.0 |
| 24 | 9.0 2 | 10.0 2 | 11.0 2 | 8.0 2 | 4.0 2 | 8.0 2 | 7.0 2 | 6.0 2 | 14.0 2 | 18.0 2 | 14.0 2 | 14.0 2 | 11.0 2 | 13.0 2 | 14.0 2 | 11.0 2 | 13.0 2 | 10.0 2 | 14.0 2 | 12.0 2 | 9.0 2 | 13.0 2 | 17.0 2 | 17.0 2 | 24 | 18.0 |
| 25 | 15.0 2 | 15.0 2 | 14.0 2 | 14.0 2 | 12.0 2 | 11.0 2 | 14.0 2 | 10.0 2 | 17.0 2 | 17.0 2 | 17.0 2 | 18.0 2 | 15.0 2 | 16.0 2 | 14.0 2 | 14.0 2 | 16.0 2 | 17.0 2 | 19.0 2 | 13.0 2 | 19.0 2 | 16.0 2 | 16.0 2 | 12.0 2 | 24 | 19.0 |
| 26 | 10.0 2 | 11.0 2 | 9.0 2 | 13.0 2 | 9.0 2 | 9.0 2 | 11.0 2 | 9.0 2 | 10.0 2 | 13.0 2 | 14.0 2 | 13.0 2 | 14.0 2 | 11.0 2 | 13.0 2 | 14.0 2 | 17.0 2 | 12.0 2 | 20.0 2 | 26.0 2 | 15.0 2 | 10.0 2 | 6.0 2 | 12.0 2 | 24 | 26.0 |
| 27 | 14.0 2 | 13.0 2 | 14.0 2 | 17.0 2 | 12.0 2 | 13.0 2 | 12.0 2 | 17.0 2 | 18.0 2 | 20.0 2 | AX | BA | BA | 22.0 2 | 20.0 2 | 22.0 2 | 18.0 2 | 14.0 2 | 23.0 2 | 21.0 2 | 19.0 2 | 15.0 2 | 17.0 2 | 11.0 2 | 21 | 23.0 |
| 28 | 16.0 2 | 6.0 2 | 15.0 2 | 12.0 2 | 14.0 2 | 14.0 2 | 11.0 2 | 7.0 2 | 10.0 2 | 15.0 2 | 12.0 2 | 10.0 2 | 7.0 2 | 11.0 2 | 8.0 2 | 10.0 2 | 10.0 2 | 14.0 2 | 12.0 2 | 7.0 2 | 12.0 2 | 14.0 2 | 13.0 2 | 11.0 2 | 24 | 16.0 |
| 29 | 13.0 2 | 13.0 2 | 10.0 2 | 7.0 2 | 11.0 2 | 12.0 2 | 10.0 2 | 8.0 2 | 17.0 2 | 11.0 2 | 15.0 2 | 5.0 2 | 5.0 2 | 5.0 2 | 3.0 2 | 2.0 2 | 8.0 2 | 5.0 2 | 6.0 2 | 3.0 2 | 7.0 2 | 10.0 2 | 9.0 2 | 2.0 2 | 24 | 17.0 |
| 30 | 10.0 2 | 7.0 2 | 13.0 2 | 11.0 2 | 9.0 2 | 10.0 2 | 13.0 2 | 8.0 2 | 11.0 2 | 12.0 2 | 20.0 2 | 11.0 2 | 12.0 2 | 12.0 2 | 10.0 2 | 11.0 2 | 8.0 2 | 10.0 2 | 12.0 2 | 3.0 2 | 10.0 2 | 8.0 2 | 10.0 2 | 11.0 2 | 24 | 20.0 |
| 31 | 8.0 2 | 8.0 2 | 13.0 2 | 9.0 2 | .0 2 | 9.0 2 | 7.0 2 | 10.0 2 | 9.0 2 | 16.0 2 | 15.0 2 | 8.0 2 | 14.0 2 | 8.0 2 | 9.0 2 | AV | BA | BA | BA | 1.0 2 | 2.0 2 | 4.0 2 | 5.0 2 | 2.0 2 | 20 | 16.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 29 | 29 | 30 | 30 | 30 | 29 | 28 | 28 | 30 | 31 | 31 | 31 | 31 | | |
| MAX: | 17.0 | 17.0 | 17.0 | 17.0 | 16.0 | 15.0 | 14.0 | 17.0 | 20.0 | 22.0 | 24.0 | 25.0 | 25.0 | 23.0 | 20.0 | 22.0 | 27.0 | 24.0 | 25.0 | 26.0 | 20.0 | 16.0 | 17.0 | 17.0 | | |
| AVG: | 9.58 | 9.19 | 9.77 | 9.10 | 7.87 | 9.03 | 8.29 | 7.61 | 11.24 | 12.40 | 13.38 | 12.31 | 11.97 | 12.27 | 11.30 | 12.50 | 13.17 | 11.93 | 10.82 | 9.17 | 9.77 | 8.68 | 9.10 | 8.35 | | |

MONTHLY OBSERVATIONS: 725 MONTHLY MEAN: 10.32 MONTHLY MAX: 27.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-101-0002 POC: 3
COUNTY: (101) Johnston
CITY: (00000) Not in a city
SITE ADDRESS: 1338 JACK ROAD
SITE COMMENTS: Upwind site for Raleigh
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.590833
LONGITUDE: -78.461944
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 127
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: AUGUST 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.0 2 | 5.0 2 | 3.0 2 | 3.0 2 | 2.0 2 | -1.0 2 | 8.0 2 | 8.0 2 | 10.0 2 | 14.0 2 | 15.0 2 | 13.0 2 | 10.0 2 | 11.0 2 | 12.0 2 | 13.0 2 | 11.0 2 | 11.0 2 | 4.0 2 | 5.0 2 | 11.0 2 | 9.0 2 | 10.0 2 | 6.0 2 | 24 | 15.0 |
| 2 | 8.0 2 | 8.0 2 | 8.0 2 | 8.0 2 | 7.0 2 | 8.0 2 | 8.0 2 | 1.0 2 | 7.0 2 | AX | BA | BA | 11.0 | 10.0 | 9.0 | 11.0 | 11.0 | 7.0 | 4.0 | 2.0 | 4.0 | 7.0 | 7.0 | 5.0 | 21 | 11.0 |
| 3 | 8.0 | 7.0 | 4.0 | 9.0 | 6.0 | 1.0 | 6.0 | 7.0 | 10.0 | 9.0 | 6.0 | 13.0 | 3.0 | 12.0 | 7.0 | 6.0 | 4.0 | 8.0 | 8.0 | 6.0 | 6.0 | 7.0 | 6.0 | 6.0 | 24 | 13.0 |
| 4 | 6.0 | 4.0 | 3.0 | 2.0 | 7.0 | 5.0 | 4.0 | 2.0 | 9.0 | 6.0 | 7.0 | 5.0 | 5.0 | 5.0 | 9.0 | 7.0 | 7.0 | 4.0 | 2.0 | 5.0 | 7.0 | 12.0 | 5.0 | 3.0 | 24 | 12.0 |
| 5 | 7.0 | 7.0 | 5.0 | 6.0 | 2.0 | 3.0 | 4.0 | 3.0 | 7.0 | 9.0 | 6.0 | 8.0 | BA | BA | BA | 1.0 2 | 9.0 2 | 11.0 2 | 7.0 2 | 5.0 2 | 6.0 2 | 8.0 2 | 5.0 2 | 6.0 2 | 21 | 11.0 |
| 6 | 9.0 2 | 9.0 2 | 8.0 2 | 8.0 2 | 7.0 2 | 8.0 2 | 10.0 2 | 11.0 2 | 8.0 2 | 8.0 2 | 12.0 2 | 14.0 2 | 13.0 2 | 14.0 2 | 14.0 2 | 13.0 2 | 10.0 2 | 13.0 2 | 11.0 2 | 7.0 2 | 7.0 2 | 9.0 2 | 10.0 2 | 6.0 2 | 24 | 14.0 |
| 7 | 7.0 2 | 10.0 2 | 11.0 2 | 7.0 2 | 11.0 2 | 12.0 2 | 12.0 2 | 9.0 2 | 14.0 2 | 8.0 2 | 8.0 2 | 17.0 2 | 6.0 2 | 22.0 2 | 14.0 2 | 4.0 2 | 5.0 2 | 5.0 2 | 9.0 2 | 10.0 2 | 9.0 2 | 9.0 2 | 11.0 2 | 5.0 2 | 24 | 22.0 |
| 8 | 7.0 2 | 8.0 2 | 9.0 2 | 11.0 2 | 7.0 2 | 10.0 2 | 6.0 2 | 6.0 2 | 14.0 2 | 13.0 2 | 15.0 2 | 10.0 2 | 10.0 2 | 6.0 2 | 12.0 2 | 12.0 2 | 8.0 2 | 5.0 2 | 2.0 2 | 4.0 2 | 3.0 2 | 2.0 2 | 2.0 2 | 3.0 2 | 24 | 15.0 |
| 9 | 6.0 2 | 2.0 2 | 5.0 2 | 10.0 2 | 5.0 2 | 6.0 2 | 4.0 2 | 3.0 2 | 8.0 2 | 5.0 2 | 3.0 2 | 11.0 2 | 9.0 2 | 11.0 2 | 14.0 2 | 16.0 2 | -5.0 2 | 4.0 2 | 9.0 2 | 11.0 2 | 3.0 2 | .0 2 | 8.0 2 | 4.0 2 | 24 | 16.0 |
| 10 | 4.0 2 | -5.0 2 | 2.0 2 | 4.0 2 | 4.0 2 | .0 2 | 2.0 2 | 4.0 2 | 9.0 2 | 8.0 2 | 10.0 2 | 9.0 2 | 10.0 2 | 9.0 2 | 9.0 2 | 9.0 2 | 8.0 2 | 9.0 2 | 14.0 2 | 8.0 2 | 7.0 2 | 7.0 2 | 8.0 2 | 7.0 2 | 24 | 14.0 |
| 11 | 7.0 2 | 7.0 2 | 6.0 2 | 4.0 2 | 1.0 2 | 8.0 2 | 3.0 2 | AX | AX | AT | BA | BA | 8.0 | 9.0 | 3.0 | 10.0 | -1.0 | 2.0 | 10.0 | 7.0 | 8.0 | 5.0 | 5.0 | 3.0 | 19 | 10.0 |
| 12 | 6.0 | 4.0 | 2.0 | 2.0 | 2.0 | 1.0 | 4.0 | 2.0 | 7.0 | 11.0 | 3.0 | 5.0 | 6.0 | 3.0 | 2.0 | 4.0 | 5.0 | 6.0 | 5.0 | 1.0 | .0 | 4.0 | 5.0 | 5.0 | 24 | 11.0 |
| 13 | 5.0 | 2.0 | 4.0 | 4.0 | 4.0 | 5.0 | 4.0 | 2.0 | 5.0 | 7.0 | 9.0 | 6.0 | 13.0 | 7.0 | 7.0 | 7.0 | 7.0 | 6.0 | 9.0 | 6.0 | 8.0 | 8.0 | 5.0 | 4.0 | 24 | 13.0 |
| 14 | 5.0 | .0 | 5.0 | 3.0 | 5.0 | 5.0 | 6.0 | 4.0 | 8.0 | 5.0 | 12.0 | 6.0 | 9.0 | 7.0 | 8.0 | 9.0 | 8.0 | 11.0 | 4.0 | 9.0 | 9.0 | 10.0 | 9.0 | 7.0 | 24 | 12.0 |
| 15 | 6.0 | 2.0 | 5.0 | 4.0 | -5.0 | 1.0 | 4.0 | 1.0 | 5.0 | BA | BA | BA | 10.0 | 12.0 | 9.0 | 10.0 | 9.0 | 5.0 | 10.0 | 8.0 | 5.0 | 3.0 | 5.0 | 5.0 | 21 | 12.0 |
| 16 | 2.0 | 6.0 | 3.0 | .0 | 1.0 | 1.0 | .0 | .0 | 5.0 | 5.0 | 8.0 | 5.0 | 12.0 | 6.0 | 2.0 | 5.0 | 5.0 | -3.0 | 5.0 | 1.0 | 9.0 | 5.0 | 6.0 | 5.0 | 24 | 12.0 |
| 17 | 7.0 | 6.0 | 2.0 | -5.0 | 1.0 | 2.0 | 3.0 | 3.0 | 7.0 | 2.0 | BA | BA | BA | 7.0 | 5.0 | 8.0 | 14.0 | 4.0 | 5.0 | 7.0 | 9.0 | 8.0 | 8.0 | 5.0 | 21 | 14.0 |
| 18 | 7.0 | 5.0 | 4.0 | 8.0 | 9.0 | 5.0 | -3.0 | 2.0 | 10.0 | 10.0 | 12.0 | 8.0 | 8.0 | 7.0 | 3.0 | 2.0 | 2.0 | 5.0 | 6.0 | 5.0 | 3.0 | 10.0 | 9.0 | 8.0 | 24 | 12.0 |
| 19 | 8.0 | 4.0 | 11.0 | 8.0 | 7.0 | 8.0 | 9.0 | 5.0 | 3.0 | 5.0 | 12.0 | 13.0 | 11.0 | 6.0 | 8.0 | 1.0 | 10.0 | 1.0 | 8.0 | 7.0 | 5.0 | 6.0 | 7.0 | -1.0 | 24 | 13.0 |
| 20 | 4.0 | 1.0 | 5.0 | 4.0 | -2.0 | 4.0 | 5.0 | 1.0 | -1.0 | 14.0 | 9.0 | 13.0 | 7.0 | 10.0 | 4.0 | 8.0 | 7.0 | 5.0 | 12.0 | 7.0 | 7.0 | 11.0 | 7.0 | 5.0 | 24 | 14.0 |
| 21 | 10.0 | 11.0 | 11.0 | 10.0 | 11.0 | 9.0 | 7.0 | 11.0 | 8.0 | 7.0 | 10.0 | 7.0 | 9.0 | 4.0 | 7.0 | 3.0 | 9.0 | 13.0 | 10.0 | 4.0 | .0 | .0 | 2.0 | 2.0 | 24 | 13.0 |
| 22 | 3.0 | 1.0 | 3.0 | 4.0 | 5.0 | 8.0 | 7.0 | 1.0 | 6.0 | 11.0 | 10.0 | 3.0 | 7.0 | 6.0 | 9.0 | 6.0 | 7.0 | 6.0 | 8.0 | 4.0 | 2.0 | -3.0 | 2.0 | 5.0 | 24 | 11.0 |
| 23 | 8.0 | 7.0 | 7.0 | 6.0 | 6.0 | 4.0 | 6.0 | 1.0 | 15.0 | 13.0 | AZ | BA | BA | .0 | 3.0 | 7.0 | 9.0 | 11.0 | 3.0 | 5.0 | 6.0 | 1.0 | 10.0 | 9.0 | 21 | 15.0 |
| 24 | 8.0 | 9.0 | 9.0 | 6.0 | 6.0 | 5.0 | 5.0 | 3.0 | 6.0 | 7.0 | 9.0 | 2.0 | 7.0 | 9.0 | 3.0 | 8.0 | 10.0 | 8.0 | 6.0 | 10.0 | 22.0 | 28.0 | 7.0 | 10.0 | 24 | 28.0 |
| 25 | 9.0 | 7.0 | 8.0 | 7.0 | 10.0 | 6.0 | 7.0 | 7.0 | 9.0 | 16.0 | 20.0 | 13.0 | 10.0 | 12.0 | 11.0 | 11.0 | 10.0 | 11.0 | 16.0 | 6.0 | 11.0 | 12.0 | 12.0 | 10.0 | 24 | 20.0 |
| 26 | 9.0 | 9.0 | 6.0 | 2.0 | 4.0 | 6.0 | -2.0 | .0 | 10.0 | 13.0 | 15.0 | 16.0 | 15.0 | 16.0 | 11.0 | 16.0 | 10.0 | 14.0 | 16.0 | 9.0 | 13.0 | 15.0 | 13.0 | 15.0 | 24 | 16.0 |
| 27 | 13.0 | 14.0 | 11.0 | 11.0 | 2.0 | 12.0 | 14.0 | 6.0 | 18.0 | 16.0 | 14.0 | 18.0 | 17.0 | 18.0 | -5.0 | 17.0 | 18.0 | 15.0 | 13.0 | 13.0 | 11.0 | 13.0 | 16.0 | 12.0 | 24 | 18.0 |
| 28 | 15.0 | 12.0 | 9.0 | 9.0 | 12.0 | 7.0 | 11.0 | 10.0 | 11.0 | 7.0 | 10.0 | 14.0 | 11.0 | 12.0 | 13.0 | 7.0 | 9.0 | 9.0 | 5.0 | 9.0 | 7.0 | 11.0 | 7.0 | 6.0 | 24 | 15.0 |
| 29 | 8.0 | 9.0 | 10.0 | 4.0 | 6.0 | 6.0 | -3.0 | 6.0 | 6.0 | 7.0 | BA | BA | BA | 8.0 | 9.0 | 6.0 | 6.0 | 9.0 | 5.0 | 6.0 | 6.0 | 9.0 | 6.0 | 8.0 | 21 | 10.0 |
| 30 | 8.0 | 2.0 | 8.0 | 6.0 | 7.0 | 7.0 | 8.0 | 5.0 | 10.0 | 14.0 | 11.0 | 11.0 | 12.0 | 12.0 | 9.0 | 10.0 | 11.0 | 9.0 | 9.0 | 12.0 | 10.0 | 4.0 | 7.0 | 14.0 | 24 | 14.0 |
| 31 | 6.0 | 7.0 | 7.0 | 3.0 | 9.0 | 9.0 | 7.0 | 5.0 | 10.0 | 8.0 | 4.0 | 9.0 | 5.0 | 11.0 | 7.0 | 2.0 | 10.0 | 10.0 | 8.0 | 9.0 | 9.0 | 6.0 | 5.0 | 6.0 | 24 | 11.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 28 | 25 | 25 | 27 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 15.0 | 14.0 | 11.0 | 11.0 | 12.0 | 12.0 | 14.0 | 11.0 | 18.0 | 16.0 | 20.0 | 18.0 | 17.0 | 22.0 | 14.0 | 17.0 | 18.0 | 15.0 | 16.0 | 13.0 | 22.0 | 28.0 | 16.0 | 15.0 | | |
| AVG: | 7.06 | 5.81 | 6.26 | 5.42 | 5.13 | 5.52 | 5.35 | 4.30 | 8.47 | 9.21 | 10.00 | 9.96 | 9.41 | 9.40 | 7.60 | 8.03 | 7.84 | 7.55 | 7.84 | 6.71 | 7.19 | 7.61 | 7.26 | 6.26 | | |

MONTHLY OBSERVATIONS: 721 MONTHLY MEAN: 7.23 MONTHLY MAX: 28.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-101-0002 POC: 3
COUNTY: (101) Johnston
CITY: (00000) Not in a city
SITE ADDRESS: 1338 JACK ROAD
SITE COMMENTS: Upwind site for Raleigh
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.590833
LONGITUDE: -78.461944
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 127
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: SEPTEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.0 | -2.0 | 2.0 | 3.0 | 3.0 | 5.0 | 6.0 | 6.0 | 14.0 | 14.0 | 13.0 | 10.0 | 12.0 | 11.0 | 7.0 | 8.0 | -5.0 | 4.0 | 9.0 | 12.0 | 8.0 | 12.0 | 12.0 | 10.0 | 24 | 14.0 |
| 2 | 7.0 | 11.0 | 11.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 | 14.0 | 20.0 | 15.0 | 13.0 | 11.0 | 5.0 | 5.0 | 5.0 | 4.0 | 5.0 | 5.0 | 3.0 | 6.0 | 6.0 | 3.0 | 24 | 20.0 |
| 3 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | -1.0 | .0 | .0 | 1.0 | 4.0 | 7.0 | 8.0 | 9.0 | 11.0 | 3.0 | 6.0 | 6.0 | 5.0 | 1.0 | 4.0 | -5.0 | 5.0 | 7.0 | 4.0 | 24 | 11.0 |
| 4 | 4.0 | 6.0 | 4.0 | 5.0 | 8.0 | 8.0 | 6.0 | 9.0 | 8.0 | 9.0 | 7.0 | 6.0 | 3.0 | .0 | 3.0 | 4.0 | 2.0 | 6.0 | 2.0 | 3.0 | -1.0 | 3.0 | 4.0 | 8.0 | 24 | 9.0 |
| 5 | 8.0 | 7.0 | 10.0 | 9.0 | 8.0 | 9.0 | 9.0 | 8.0 | 13.0 | 10.0 | 13.0 | 8.0 | 10.0 | 6.0 | 8.0 | 4.0 | 5.0 | 6.0 | 30.0 | 41.0 | 33.0 | 38.0 | 9.0 | 9.0 | 24 | 41.0 |
| 6 | 11.0 | 12.0 | 11.0 | 9.0 | 9.0 | 10.0 | 11.0 | 6.0 | 14.0 | 17.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 6.0 | 10.0 | 11.0 | 9.0 | 8.0 | 9.0 | 8.0 | 12.0 | 12.0 | 24 | 17.0 |
| 7 | 11.0 | 9.0 | 11.0 | 9.0 | 9.0 | 8.0 | 9.0 | 6.0 | 15.0 | 22.0 | AX | AX | BA | BA | 19.0 | 11.0 | 15.0 | 13.0 | 14.0 | 14.0 | 14.0 | 19.0 | 16.0 | 18.0 | 20 | 22.0 |
| 8 | 22.0 | 20.0 | 19.0 | 19.0 | 15.0 | 16.0 | 22.0 | 9.0 | 17.0 | 18.0 | 20.0 | 18.0 | 14.0 | 16.0 | 11.0 | 16.0 | 8.0 | 10.0 | 17.0 | 18.0 | 10.0 | 12.0 | 13.0 | 11.0 | 24 | 22.0 |
| 9 | 15.0 | 15.0 | 14.0 | 14.0 | 7.0 | 11.0 | 13.0 | 14.0 | 17.0 | 23.0 | 23.0 | 17.0 | 19.0 | 18.0 | 20.0 | 15.0 | 12.0 | 11.0 | 12.0 | 11.0 | 14.0 | 14.0 | 18.0 | 17.0 | 24 | 23.0 |
| 10 | 12.0 | 12.0 | 12.0 | 7.0 | 12.0 | 8.0 | 9.0 | 6.0 | 13.0 | 10.0 | 9.0 | 19.0 | 18.0 | 18.0 | 16.0 | 17.0 | 16.0 | 17.0 | 20.0 | 14.0 | 15.0 | 11.0 | 11.0 | 13.0 | 24 | 20.0 |
| 11 | 8.0 | 8.0 | 9.0 | 10.0 | 8.0 | 8.0 | 11.0 | 12.0 | 13.0 | 17.0 | 20.0 | 22.0 | 19.0 | 17.0 | 14.0 | 16.0 | 7.0 | 21.0 | 16.0 | 9.0 | 16.0 | 17.0 | 14.0 | 12.0 | 24 | 22.0 |
| 12 | 6.0 | 6.0 | 7.0 | 5.0 | 10.0 | 2.0 | 2.0 | 4.0 | 7.0 | 10.0 | 12.0 | 9.0 | 9.0 | 5.0 | 8.0 | 8.0 | 4.0 | 6.0 | 4.0 | 7.0 | 6.0 | 10.0 | 8.0 | 2.0 | 24 | 12.0 |
| 13 | 8.0 | 7.0 | 10.0 | 6.0 | 4.0 | 5.0 | 2.0 | 6.0 | 5.0 | 8.0 | 10.0 | 7.0 | 10.0 | 9.0 | 8.0 | 7.0 | 9.0 | 12.0 | 18.0 | 6.0 | 9.0 | 7.0 | 12.0 | 8.0 | 24 | 18.0 |
| 14 | 5.0 | 3.0 | 5.0 | 3.0 | 5.0 | 6.0 | 2.0 | 7.0 | 7.0 | 9.0 | BA | BA | 1.0 | 12.0 | 13.0 | 10.0 | 11.0 | 8.0 | 6.0 | 11.0 | 9.0 | 7.0 | 7.0 | 8.0 | 22 | 13.0 |
| 15 | 4.0 | 3.0 | 3.0 | 7.0 | 6.0 | 4.0 | 5.0 | 4.0 | 9.0 | 8.0 | 12.0 | 9.0 | 9.0 | 10.0 | 9.0 | 6.0 | 7.0 | 9.0 | 15.0 | 8.0 | 14.0 | 11.0 | 12.0 | 12.0 | 24 | 15.0 |
| 16 | 10.0 | 7.0 | 11.0 | 9.0 | 7.0 | 8.0 | 9.0 | 8.0 | 8.0 | 11.0 | 5.0 | 10.0 | 6.0 | 11.0 | 10.0 | 12.0 | 9.0 | 6.0 | 7.0 | 7.0 | 12.0 | 9.0 | -1.0 | 6.0 | 24 | 12.0 |
| 17 | 4.0 | 4.0 | 4.0 | 5.0 | 2.0 | 5.0 | 4.0 | 2.0 | 8.0 | 4.0 | 6.0 | 8.0 | 8.0 | 4.0 | 8.0 | 7.0 | 5.0 | 3.0 | 5.0 | 1.0 | 2.0 | 8.0 | 6.0 | 5.0 | 24 | 8.0 |
| 18 | 9.0 | 1.0 | 6.0 | 4.0 | 4.0 | 7.0 | 3.0 | -1.0 | 4.0 | 4.0 | 2.0 | 10.0 | 3.0 | 5.0 | 3.0 | 2.0 | 7.0 | 10.0 | -3.0 | -2.0 | 3.0 | 2.0 | 9.0 | 5.0 | 24 | 10.0 |
| 19 | 7.0 | 1.0 | 8.0 | 3.0 | 3.0 | 2.0 | 6.0 | 3.0 | 8.0 | 4.0 | 5.0 | 6.0 | 7.0 | -5.0 | 4.0 | 4.0 | 1.0 | 7.0 | 5.0 | 3.0 | 2.0 | 2.0 | 4.0 | 1.0 | 24 | 8.0 |
| 20 | 2.0 | 2.0 | 3.0 | 5.0 | 2.0 | 1.0 | 6.0 | 2.0 | 3.0 | 5.0 | 2.0 | 1.0 | 4.0 | 5.0 | .0 | 5.0 | 2.0 | 5.0 | 1.0 | 2.0 | 4.0 | 7.0 | 5.0 | 4.0 | 24 | 7.0 |
| 21 | 1.0 | 4.0 | .0 | 1.0 | .0 | .0 | 1.0 | -1.0 | -1.0 | -4.0 | -1.0 | 3.0 | -3.0 | -2.0 | -1.0 | .0 | 3.0 | .0 | 2.0 | -2.0 | -1.0 | 5.0 | 1.0 | 3.0 | 24 | 5.0 |
| 22 | -2.0 | 1.0 | -1.0 | 3.0 | -3.0 | .0 | 1.0 | 3.0 | AX | BA | BA | .0 | 2.0 | 7.0 | 3.0 | 3.0 | 5.0 | 2.0 | 3.0 | 5.0 | 2.0 | 2.0 | 1.0 | 3.0 | 21 | 7.0 |
| 23 | 9.0 | 6.0 | 7.0 | 5.0 | 7.0 | 4.0 | 5.0 | 3.0 | 2.0 | 4.0 | 1.0 | 5.0 | 9.0 | 10.0 | 3.0 | 11.0 | 7.0 | 1.0 | 9.0 | 9.0 | 3.0 | 26.0 | 6.0 | 7.0 | 24 | 26.0 |
| 24 | 17.0 | 8.0 | 6.0 | 12.0 | 8.0 | 5.0 | 11.0 | 6.0 | 10.0 | 21.0 | 13.0 | 22.0 | 18.0 | 17.0 | 15.0 | 16.0 | 20.0 | 37.0NS | 56.0NS | 43.0NS | 68.0NS | 28.0NS | 29.0NS | 37.0NS | 24 | 68.0 |
| 25 | 20.0 | 15.0 | 18.0 | 15.0 | 18.0 | 12.0 | 11.0 | 8.0 | 12.0 | 11.0 | 12.0 | 7.0 | 11.0 | 8.0 | 11.0 | 3.0 | 6.0 | 8.0 | 5.0 | 7.0 | 3.0 | 5.0 | 2.0 | 16.0 | 24 | 20.0 |
| 26 | 14.0 | 10.0 | 6.0 | 4.0 | 10.0 | 6.0 | 7.0 | 6.0 | 6.0 | BA | BA | BA | 9.0 | 4.0 | 18.0 | 14.0 | 12.0 | 9.0 | 12.0 | 9.0 | 10.0 | 12.0 | 10.0 | 11.0 | 21 | 18.0 |
| 27 | 9.0 | 15.0 | 13.0 | 6.0 | 9.0 | 9.0 | 10.0 | 8.0 | 13.0 | 8.0 | 6.0 | 11.0 | 8.0 | 11.0 | 1.0 | 7.0 | .0 | 3.0 | 9.0 | 6.0 | 5.0 | 8.0 | 5.0 | 6.0 | 24 | 15.0 |
| 28 | 7.0 | 8.0 | 7.0 | 5.0 | 6.0 | 10.0 | 5.0 | 8.0 | 6.0 | 8.0 | 5.0 | 7.0 | 15.0 | 14.0 | 15.0 | 4.0 | 6.0 | 5.0 | 6.0 | 6.0 | 4.0 | 5.0 | 5.0 | 6.0 | 24 | 15.0 |
| 29 | -1.0 | .0 | 6.0 | 2.0 | 1.0 | .0 | 2.0 | 1.0 | 2.0 | 3.0 | 6.0 | 3.0 | 3.0 | 4.0 | 4.0 | 2.0 | 4.0 | 4.0 | -1.0 | 4.0 | 4.0 | 3.0 | 5.0 | 6.0 | 24 | 6.0 |
| 30 | 7.0 | 5.0 | 4.0 | 5.0 | 8.0 | 6.0 | 6.0 | 7.0 | 7.0 | 11.0 | 8.0 | 7.0 | 6.0 | 1.0 | 9.0 | 9.0 | 3.0 | 4.0 | 4.0 | 4.0 | .0 | 3.0 | 2.0 | 3.0 | 24 | 11.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 26 | 27 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 22.0 | 20.0 | 19.0 | 19.0 | 18.0 | 16.0 | 22.0 | 14.0 | 17.0 | 23.0 | 23.0 | 22.0 | 19.0 | 18.0 | 20.0 | 17.0 | 20.0 | 37.0 | 56.0 | 43.0 | 68.0 | 38.0 | 29.0 | 37.0 | | |
| AVG: | 8.13 | 6.83 | 7.57 | 6.70 | 6.57 | 6.13 | 6.70 | 5.57 | 8.55 | 10.11 | 9.46 | 9.56 | 9.03 | 8.55 | 8.57 | 7.93 | 6.73 | 8.23 | 9.93 | 9.10 | 9.17 | 10.17 | 8.33 | 8.87 | | |

MONTHLY OBSERVATIONS: 708 MONTHLY MEAN: 8.17 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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-101-0002 POC: 3
COUNTY: (101) Johnston
CITY: (00000) Not in a city
SITE ADDRESS: 1338 JACK ROAD
SITE COMMENTS: Upwind site for Raleigh
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.590833
LONGITUDE: -78.461944
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 127
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: OCTOBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.0 | 6.0 | 3.0 | -5.0 | 3.0 | 6.0 | 8.0 | 7.0 | 6.0 | 7.0 | 4.0 | 13.0 | 13.0 | 11.0 | 12.0 | 11.0 | 10.0 | 8.0 | 11.0 | 12.0 | 11.0 | 13.0 | 13.0 | 18.0 | 24 | 18.0 |
| 2 | 12.0 | 12.0 | 16.0 | 11.0 | 16.0 | 10.0 | 8.0 | 9.0 | 12.0 | 13.0 | 13.0 | 19.0 | 17.0 | 15.0 | 16.0 | 13.0 | 7.0 | 9.0 | 11.0 | 12.0 | 9.0 | 13.0 | 8.0 | 10.0 | 24 | 19.0 |
| 3 | 9.0 | 11.0 | 10.0 | 11.0 | 13.0 | 13.0 | 10.0 | 7.0 | 21.0 | 17.0 | 4.0 | 9.0 | 6.0 | 6.0 | 7.0 | 9.0 | 4.0 | 7.0 | 3.0 | 4.0 | 5.0 | 7.0 | 9.0 | 17.0 | 24 | 21.0 |
| 4 | 13.0 | 14.0 | 12.0 | 11.0 | 7.0 | 12.0 | 9.0 | 9.0 | 6.0 | AX | AX | BA | BA | 11.0 | 9.0 | 2.0 | 8.0 | 8.0 | 6.0 | 5.0 | 1.0 | 10.0 | 6.0 | 4.0 | 20 | 14.0 |
| 5 | 7.0 | 5.0 | 6.0 | 7.0 | 3.0 | 2.0 | 3.0 | 6.0 | 6.0 | 5.0 | 8.0 | 6.0 | 8.0 | 11.0 | 4.0 | 9.0 | 7.0 | 3.0 | 3.0 | -5.0 | 5.0 | 5.0 | 5.0 | 2.0 | 24 | 11.0 |
| 6 | 5.0 | 6.0 | 6.0 | 6.0 | 5.0 | 2.0 | 1.0 | 4.0 | 4.0 | 5.0 | 7.0 | 6.0 | 3.0 | 7.0 | 6.0 | 5.0 | 8.0 | 8.0 | 9.0 | 5.0 | 5.0 | 4.0 | -1.0 | 4.0 | 24 | 9.0 |
| 7 | 2.0 | 1.0 | 1.0 | -1.0 | 1.0 | .0 | .0 | 5.0 | -2.0 | 4.0 | 6.0 | 5.0 | 3.0 | .0 | 7.0 | 2.0 | -2.0 | 2.0 | 5.0 | 2.0 | 1.0 | 2.0 | 2.0 | 4.0 | 24 | 7.0 |
| 8 | 4.0 | 1.0 | 1.0 | -2.0 | 1.0 | 2.0 | 3.0 | 1.0 | -2.0 | 1.0 | 2.0 | 3.0 | -2.0 | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | 13 | 4.0 |
| 9 | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | 0 | |
| 10 | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | BA | BA | 8.0 | 7.0 | 3.0 | -1.0 | 1.0 | 5.0 | 1.0 | 9.0 | 3.0 | 9 | 9.0 |
| 11 | 8.0 | 6.0 | 4.0 | 6.0 | 8.0 | 5.0 | 11.0 | 3.0 | 6.0 | 8.0 | -1.0 | 4.0 | 4.0 | 6.0 | 5.0 | 3.0 | 7.0 | 5.0 | 7.0 | -5.0 | 9.0 | 16.0 | 16.0 | 13.0 | 24 | 16.0 |
| 12 | 11.0 | 7.0 | 9.0 | 9.0 | 6.0 | 7.0 | 5.0 | 5.0 | 5.0 | 9.0 | 12.0 | 9.0 | 6.0 | 5.0 | 8.0 | 1.0 | 6.0 | 7.0 | 3.0 | 3.0 | 2.0 | 7.0 | 6.0 | 10.0 | 24 | 12.0 |
| 13 | 11.0 | 7.0 | 8.0 | 9.0 | 5.0 | 6.0 | 4.0 | 5.0 | 9.0 | 16.0 | 7.0 | 15.0 | 12.0 | 15.0 | 14.0 | 10.0 | 8.0 | 9.0 | 8.0 | 7.0 | 14.0 | 15.0 | 16.0 | 13.0 | 24 | 16.0 |
| 14 | 8.0 | 9.0 | 6.0 | 12.0 | 9.0 | 6.0 | -1.0 | 1.0 | 7.0 | 5.0 | 6.0 | 2.0 | 4.0 | 5.0 | 7.0 | 4.0 | 5.0 | 5.0 | 6.0 | 5.0 | 5.0 | 6.0 | 12.0 | 10.0 | 24 | 12.0 |
| 15 | 19.0 | 11.0 | 13.0 | 5.0 | 4.0 | 5.0 | 9.0 | 6.0 | 10.0 | 13.0 | 5.0 | 7.0 | 8.0 | 9.0 | 6.0 | 8.0 | 7.0 | 6.0 | 8.0 | 17.0 | .0 | 3.0 | 9.0 | 15.0 | 24 | 19.0 |
| 16 | 13.0 | 12.0 | 14.0 | 11.0 | 9.0 | 10.0 | 12.0 | 6.0 | 6.0 | 15.0 | 11.0 | 11.0 | 10.0 | 8.0 | 11.0 | 6.0 | 6.0 | 8.0 | 22.0 | 28.0 | 19.0 | 18.0 | 11.0 | 15.0 | 24 | 28.0 |
| 17 | 14.0 | 14.0 | 18.0 | 18.0 | 12.0 | 12.0 | 13.0 | 13.0 | 15.0 | AX | AX | BA | BA | 8.0 | 9.0 | 11.0 | 9.0 | 11.0 | 11.0 | 16.0 | 11.0 | 12.0 | 12.0 | 9.0 | 20 | 18.0 |
| 18 | 13.0 | 8.0 | 8.0 | 6.0 | 7.0 | 7.0 | 8.0 | 5.0 | 8.0 | 12.0 | 12.0 | 9.0 | AX | AX | BA | BC | BC | 9.0 | 5.0 | 6.0 | 9.0 | 11.0 | 12.0 | 10.0 | 19 | 13.0 |
| 19 | 10.0 | 10.0 | 9.0 | 8.0 | 5.0 | 10.0 | 6.0 | 7.0 | 14.0 | 13.0 | 15.0 | 19.0 | 16.0 | 15.0 | 12.0 | 12.0 | 8.0 | 13.0 | 5.0 | 9.0 | 10.0 | 9.0 | 11.0 | 13.0 | 24 | 19.0 |
| 20 | 16.0 | 11.0 | 11.0 | 8.0 | 7.0 | 9.0 | 10.0 | 10.0 | 8.0 | 19.0 | 18.0 | 17.0 | 22.0 | 12.0 | 13.0 | 13.0 | 8.0 | 9.0 | 6.0 | 5.0 | 8.0 | 9.0 | 10.0 | 8.0 | 24 | 22.0 |
| 21 | 2.0 | 7.0 | 3.0 | 5.0 | 5.0 | 3.0 | 11.0 | 6.0 | 12.0 | 5.0 | 6.0 | 13.0 | 13.0 | 11.0 | 3.0 | 14.0 | 3.0 | 7.0 | 4.0 | .0 | 2.0 | -5.0 | -2.0 | .0 | 24 | 14.0 |
| 22 | -2.0 | 1.0 | -1.0 | 6.0 | -1.0 | 2.0 | -1.0 | .0 | 4.0 | 5.0 | 7.0 | 2.0 | 1.0 | 5.0 | 5.0 | .0 | 3.0 | 3.0 | -5.0 | -1.0 | 9.0 | 13.0 | 15.0 | 9.0 | 24 | 15.0 |
| 23 | 11.0 | 6.0 | 7.0 | 3.0 | 5.0 | 4.0 | 7.0 | 5.0 | 3.0 | 10.0 | 7.0 | 5.0 | 6.0 | 6.0 | 5.0 | 7.0 | 3.0 | 6.0 | 3.0 | -5.0 | 5.0 | 8.0 | 8.0 | 6.0 | 24 | 11.0 |
| 24 | 8.0 | 7.0 | 7.0 | 6.0 | 5.0 | 8.0 | 8.0 | 5.0 | 6.0 | 7.0 | 17.0 | 16.0 | 13.0 | 12.0 | 9.0 | 5.0 | 9.0 | 10.0 | 4.0 | 10.0 | 14.0 | 8.0 | 11.0 | 7.0 | 24 | 17.0 |
| 25 | 8.0 | 8.0 | 8.0 | 10.0 | 8.0 | 8.0 | 10.0 | 7.0 | BA | BA | BA | 4.0 | 8.0 | 7.0 | 10.0 | 7.0 | 1.0 | 6.0 | -4.0 | 4.0 | 5.0 | 6.0 | 3.0 | 4.0 | 21 | 10.0 |
| 26 | 5.0 | 8.0 | 6.0 | 9.0 | 10.0 | 9.0 | 6.0 | 7.0 | 7.0 | 10.0 | 9.0 | 11.0 | 10.0 | 10.0 | 7.0 | 8.0 | 4.0 | 5.0 | -2.0 | 3.0 | 6.0 | 9.0 | 12.0 | 11.0 | 24 | 12.0 |
| 27 | 6.0 | 12.0 | 11.0 | 11.0 | 11.0 | 7.0 | 9.0 | 7.0 | 8.0 | 10.0 | 18.0 | 10.0 | 8.0 | 7.0 | 5.0 | 11.0 | 4.0 | 6.0 | 9.0 | 5.0 | 7.0 | 8.0 | 9.0 | 4.0 | 24 | 18.0 |
| 28 | 6.0 | 7.0 | 4.0 | 6.0 | 4.0 | 6.0 | 8.0 | 6.0 | 10.0 | 12.0 | 14.0 | 15.0 | 11.0 | 8.0 | 8.0 | 7.0 | 4.0 | 7.0 | 2.0 | 7.0 | 7.0 | 13.0 | 12.0 | 6.0 | 24 | 15.0 |
| 29 | 9.0 | 11.0 | 10.0 | 9.0 | 9.0 | 12.0 | 5.0 | 11.0 | 10.0 | 18.0 | 13.0 | 13.0 | 12.0 | 17.0 | 21.0 | 12.0 | 8.0 | 9.0 | 12.0 | 14.0 | 19.0 | 26.0 | 18.0 | 20.0 | 24 | 26.0 |
| 30 | 15.0 | 16.0 | 15.0 | 14.0 | 15.0 | 15.0 | 15.0 | 17.0 | 18.0 | 20.0 | 21.0 | 24.0 | 25.0 | 20.0 | 14.0 | 12.0 | 12.0 | 9.0 | 10.0 | 17.0 | 14.0 | 16.0 | 19.0 | 16.0 | 24 | 25.0 |
| 31 | 18.0 | AV | BA | BA | 18.0 | 14.0 | 16.0 | 12.0 | 7.0 | 7.0 | 7.0 | 8.0 | 7.0 | 6.0 | 5.0 | 10.0 | 3.0 | 4.0 | 3.0 | 6.0 | 4.0 | 8.0 | 5.0 | 1.0 | 21 | 18.0 |
| NO.: | 29 | 28 | 28 | 28 | 29 | 29 | 29 | 29 | 28 | 26 | 26 | 27 | 26 | 27 | 27 | 28 | 28 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | | |
| MAX: | 19.0 | 16.0 | 18.0 | 18.0 | 18.0 | 15.0 | 16.0 | 17.0 | 21.0 | 20.0 | 21.0 | 24.0 | 25.0 | 20.0 | 21.0 | 14.0 | 12.0 | 13.0 | 22.0 | 28.0 | 19.0 | 26.0 | 19.0 | 20.0 | | |
| AVG: | 9.10 | 8.36 | 8.04 | 7.46 | 7.24 | 7.31 | 7.34 | 6.62 | 8.00 | 10.23 | 9.54 | 10.19 | 9.38 | 9.37 | 8.81 | 7.86 | 5.96 | 6.97 | 5.66 | 6.45 | 7.62 | 9.34 | 9.52 | 9.03 | | |

MONTHLY OBSERVATIONS: 675 MONTHLY MEAN: 8.11 MONTHLY MAX: 28.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-101-0002 POC: 3
COUNTY: (101) Johnston
CITY: (00000) Not in a city
SITE ADDRESS: 1338 JACK ROAD
SITE COMMENTS: Upwind site for Raleigh
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.590833
LONGITUDE: -78.461944
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 127
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: NOVEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.0 | 3.0 | -1.0 | 1.0 | 3.0 | -1.0 | -1.0 | 4.0 | -1.0 | 4.0 | .0 | 10.0 | 2.0 | 6.0 | 6.0 | 6.0 | 6.0 | 2.0 | 4.0 | 5.0 | 6.0 | 5.0 | 10.0 | 11.0 | 24 | 11.0 |
| 2 | 8.0 | 8.0 | 12.0 | 9.0 | 10.0 | 6.0 | 11.0 | 7.0 | 7.0 | 12.0 | 13.0 | 16.0 | 20.0 | 20.0 | 13.0 | 17.0 | 13.0 | 15.0 | 10.0 | 16.0 | 19.0 | 16.0 | 18.0 | 18.0 | 24 | 20.0 |
| 3 | 22.0 | 22.0 | 22.0 | 23.0 | 23.0 | 20.0 | 20.0 | 15.0 | AZ | BA | BA | 19.0 | 20.0 | 23.0 | 19.0 | 23.0 | 20.0 | 19.0 | 19.0 | 17.0 | 14.0 | 16.0 | 16.0 | 16.0 | 21 | 23.0 |
| 4 | 17.0 | 24.0 | 24.0 | 17.0 | 20.0 | 18.0 | 6.0 | 5.0 | .0 | 2.0 | 4.0 | 4.0 | 4.0 | 5.0 | 3.0 | 5.0 | 5.0 | 2.0 | -1.0 | 1.0 | 6.0 | 7.0 | 8.0 | 5.0 | 24 | 24.0 |
| 5 | 3.0 | 5.0 | 5.0 | 2.0 | 7.0 | 8.0 | 9.0 | 8.0 | 5.0 | 1.0 | 8.0 | 11.0 | 8.0 | 11.0 | 6.0 | 5.0 | 1.0 | 5.0 | -1.0 | 8.0 | 9.0 | 16.0 | 19.0 | 26.0 | 24 | 26.0 |
| 6 | 24.0 | 21.0 | 18.0 | 20.0 | 22.0 | 24.0 | 16.0 | 13.0 | 16.0 | 12.0 | 13.0 | 14.0 | 16.0 | 10.0 | 6.0 | 5.0 | 6.0 | 10.0 | 3.0 | 12.0 | 13.0 | 12.0 | 17.0 | 15.0 | 24 | 24.0 |
| 7 | 15.0 | 7.0 | 13.0 | 7.0 | 6.0 | 6.0 | 4.0 | 6.0 | 3.0 | 2.0 | 7.0 | 4.0 | 2.0 | 8.0 | 4.0 | 7.0 | 3.0 | .0 | -5.0 | -1.0 | 4.0 | 6.0 | .0 | 5.0 | 24 | 15.0 |
| 8 | 4.0 | 4.0 | 7.0 | 11.0 | 4.0 | 3.0 | 5.0 | 6.0 | 5.0 | 9.0 | 9.0 | 9.0 | 8.0 | 12.0 | 5.0 | 5.0 | 8.0 | 3.0 | 2.0 | 3.0 | 12.0 | 9.0 | 10.0 | 12.0 | 24 | 12.0 |
| 9 | 12.0 | 10.0 | 12.0 | 13.0 | 7.0 | 9.0 | 7.0 | 11.0 | 11.0 | 12.0 | 11.0 | 16.0 | 31.0 | 35.0 | 33.0 | 33.0 | 2.0 | 2.0 | -2.0 | 3.0 | .0 | .0 | .0 | -2.0 | 24 | 35.0 |
| 10 | .0 | 3.0 | 2.0 | 1.0 | 3.0 | 1.0 | 3.0 | 4.0 | -2.0 | 1.0 | 3.0 | 10.0 | 5.0 | 6.0 | 4.0 | 6.0 | 6.0 | .0 | 4.0 | -3.0 | 11.0 | 12.0 | 9.0 | 7.0 | 24 | 12.0 |
| 11 | 8.0 | 6.0 | 10.0 | 8.0 | 7.0 | 8.0 | 5.0 | 12.0 | 13.0 | 12.0 | 18.0 | 18.0 | 11.0 | 11.0 | 6.0 | 4.0 | 7.0 | 1.0 | 3.0 | 3.0 | 9.0 | 8.0 | 7.0 | 7.0 | 24 | 18.0 |
| 12 | 7.0 | 3.0 | 7.0 | 4.0 | 3.0 | 1.0 | 3.0 | 2.0 | 4.0 | 5.0 | 4.0 | 8.0 | 5.0 | .0 | 2.0 | 4.0 | 4.0 | 1.0 | -5.0 | .0 | 3.0 | 4.0 | 6.0 | 11.0 | 24 | 11.0 |
| 13 | 8.0 | 11.0 | 8.0 | 12.0 | 13.0 | 15.0 | 14.0 | 14.0 | 11.0 | 8.0 | 8.0 | 8.0 | 10.0 | 2.0 | 8.0 | 13.0 | 3.0 | 7.0 | 2.0 | 6.0 | 8.0 | 11.0 | 12.0 | 14.0 | 24 | 15.0 |
| 14 | 18.0 | 17.0 | 10.0 | 8.0 | 8.0 | 13.0 | 6.0 | 4.0 | 8.0 | 4.0 | 6.0 | 12.0 | 12.0 | 7.0 | 8.0 | 9.0 | 10.0 | 6.0 | 9.0 | 9.0 | 3.0 | 6.0 | 3.0 | 6.0 | 24 | 18.0 |
| 15 | 7.0 | 8.0 | 5.0 | 4.0 | 4.0 | -3.0 | 1.0 | 5.0 | 3.0 | 3.0 | 9.0 | 11.0 | 30.0 | 21.0 | 14.0 | 17.0 | 16.0 | 18.0 | 14.0 | 17.0 | 17.0 | 18.0 | 32.0 | 30.0 | 24 | 32.0 |
| 16 | 30.0IT | 30.0IT | 26.0IT | 24.0IT | 27.0IT | 20.0IT | 24.0IT | 22.0IT | 30.0IT | 37.0IT | 24.0IT | AX | BA | BA | 12.0IT | 15.0IT | 15.0IT | 19.0IT | 14.0IT | 17.0IT | 15.0IT | 19.0IT | 20.0IT | 18.0IT | 21 | 37.0 |
| 17 | 18.0IT | 20.0IT | 20.0IT | 29.0IT | 29.0IT | 18.0IT | 19.0IT | 13.0IT | 14.0IT | 12.0IT | 17.0IT | 18.0IT | 14.0IT | 10.0IT | 10.0IT | 12.0IT | 8.0IT | 8.0IT | 6.0IT | 7.0IT | 8.0IT | 11.0IT | 14.0IT | 15.0IT | 24 | 29.0 |
| 18 | 12.0IT | 15.0IT | 15.0IT | 14.0IT | 15.0IT | 16.0IT | 14.0IT | 16.0IT | 13.0IT | 17.0IT | 29.0IT | 31.0IT | 30.0IT | 42.0IT | 50.0IT | 54.0IT | 63.0IT | 63.0IT | 71.0IT | 69.0IT | 73.0IT | 70.0IT | 65.0IT | 54.0IT | 24 | 73.0 |
| 19 | 48.0IT | 51.0IT | 55.0IT | 48.0IT | 38.0IT | 39.0IT | 36.0IT | 33.0IT | 33.0IT | 32.0IT | 29.0IT | 33.0IT | 28.0IT | 19.0IT | 16.0IT | 10.0IT | 10.0IT | 1.0IT | -2.0IT | -4.0IT | -3.0IT | -1.0IT | -4.0IT | .0IT | 24 | 55.0 |
| 20 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 4.0 | .0 | 5.0 | 6.0 | 8.0 | 6.0 | 5.0 | 5.0 | 10.0 | 4.0 | 4.0 | 2.0 | 4.0 | -3.0 | 11.0 | 5.0 | 3.0 | 6.0 | 3.0 | 24 | 11.0 |
| 21 | 2.0 | 2.0 | 4.0 | 5.0 | 2.0 | 3.0 | 3.0 | 7.0 | 5.0 | 8.0 | 5.0 | 7.0 | 8.0 | 7.0 | 4.0 | 4.0 | 5.0 | 2.0 | -5.0 | 6.0 | 19.0 | 7.0 | 6.0 | 8.0 | 24 | 19.0 |
| 22 | 4.0 | 4.0 | 4.0 | 5.0 | 3.0 | 3.0 | 4.0 | 7.0 | 5.0 | 3.0 | 8.0 | 9.0 | 9.0 | 7.0 | 7.0 | 13.0 | 8.0 | -1.0 | -5.0 | 3.0 | 6.0 | 4.0 | 8.0 | 10.0 | 24 | 13.0 |
| 23 | 9.0 | 11.0 | 10.0 | 10.0 | 8.0 | 12.0 | 9.0 | 12.0 | 10.0 | 6.0 | 19.0 | 15.0 | 18.0 | 15.0 | 13.0 | 14.0 | 10.0 | 6.0 | 5.0 | 5.0 | 11.0 | 9.0 | 17.0 | 12.0 | 24 | 19.0 |
| 24 | 16.0IT | 18.0IT | 14.0IT | 15.0IT | 14.0IT | 17.0IT | 17.0IT | 17.0IT | 12.0IT | 17.0IT | 19.0IT | 20.0IT | 20.0IT | 23.0IT | 19.0IT | 13.0IT | 10.0IT | 3.0IT | 2.0IT | .0IT | 7.0IT | 11.0IT | 13.0IT | 19.0IT | 24 | 23.0 |
| 25 | 12.0IT | 11.0IT | 14.0IT | 17.0IT | 16.0IT | 14.0IT | 20.0IT | 13.0IT | 16.0IT | 20.0IT | 28.0IT | 24.0IT | 22.0IT | 23.0IT | 24.0IT | 11.0IT | 12.0IT | 14.0IT | 10.0IT | 14.0IT | 13.0IT | 15.0IT | 19.0IT | 13.0IT | 24 | 28.0 |
| 26 | 17.0 | 22.0 | 22.0 | 23.0 | 18.0 | 17.0 | 14.0 | 19.0 | 21.0 | 21.0 | 18.0 | 14.0 | 12.0 | 13.0 | 10.0 | 7.0 | 3.0 | -1.0 | 3.0 | -1.0 | 10.0 | 9.0 | 8.0 | 3.0 | 24 | 23.0 |
| 27 | 6.0 | 7.0 | 3.0 | 5.0 | 6.0 | 5.0 | 8.0 | 11.0 | 2.0 | 6.0 | 7.0 | 8.0 | 14.0 | 12.0 | 9.0 | 14.0 | 8.0 | 5.0 | -5.0 | 2.0 | 4.0 | 8.0 | 8.0 | 5.0 | 24 | 14.0 |
| 28 | 14.0 | 11.0 | 13.0 | 9.0 | 13.0 | 14.0 | 19.0 | 21.0 | 17.0 | 17.0 | 13.0 | AX | BA | BA | 13.0 | 14.0 | 11.0 | 7.0 | 13.0 | 11.0 | 14.0 | 7.0 | 7.0 | 9.0 | 21 | 21.0 |
| 29 | 5.0 | 6.0 | 7.0 | 4.0 | 6.0 | 6.0 | 8.0 | 8.0 | 8.0 | 8.0 | 10.0 | 10.0 | 8.0 | 8.0 | 7.0 | 8.0 | 10.0 | 6.0 | 8.0 | 7.0 | 2.0 | 8.0 | 3.0 | 6.0 | 24 | 10.0 |
| 30 | 8.0 | 1.0 | 5.0 | 8.0 | 5.0 | 9.0 | 5.0 | 3.0 | 6.0 | 7.0 | 10.0 | 10.0 | 11.0 | 8.0 | 11.0 | 8.0 | 8.0 | 7.0 | 5.0 | 10.0 | 8.0 | 6.0 | 5.0 | 6.0 | 24 | 11.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 28 | 28 | 28 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 48.0 | 51.0 | 55.0 | 48.0 | 38.0 | 39.0 | 36.0 | 33.0 | 33.0 | 37.0 | 29.0 | 33.0 | 31.0 | 42.0 | 50.0 | 54.0 | 63.0 | 63.0 | 71.0 | 69.0 | 73.0 | 70.0 | 65.0 | 54.0 | | |
| AVG: | 11.97 | 12.13 | 12.27 | 11.97 | 11.43 | 10.83 | 10.30 | 10.77 | 9.69 | 10.55 | 12.24 | 13.36 | 13.68 | 13.36 | 11.53 | 12.00 | 9.77 | 7.80 | 5.77 | 8.43 | 10.87 | 11.07 | 12.07 | 12.07 | | |

MONTHLY OBSERVATIONS: 711 MONTHLY MEAN: 11.06 MONTHLY MAX: 73.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-101-0002 POC: 3
COUNTY: (101) Johnston
CITY: (00000) Not in a city
SITE ADDRESS: 1338 JACK ROAD
SITE COMMENTS: Upwind site for Raleigh
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.590833
LONGITUDE: -78.461944
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 127
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: DECEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.0 | 7.0 | 5.0 | 7.0 | 5.0 | 6.0 | .0 | 3.0 | 4.0 | 5.0 | 5.0 | 7.0 | 6.0 | 6.0 | 6.0 | 4.0 | 5.0 | 1.0 | -1.0 | 9.0 | 9.0 | 2.0 | 5.0 | 7.0 | 24 | 9.0 |
| 2 | 8.0 | 5.0 | 5.0 | 4.0 | .0 | 5.0 | 3.0 | 1.0 | 2.0 | 1.0 | 8.0 | 12.0 | 8.0 | 9.0 | 5.0 | 7.0 | 3.0 | 1.0 | 3.0 | -2.0 | 5.0 | 10.0 | 11.0 | 9.0 | 24 | 12.0 |
| 3 | 7.0 | 9.0 | 11.0 | 9.0 | 6.0 | 6.0 | 8.0 | 3.0 | 5.0 | 5.0 | 9.0 | 6.0 | 1.0 | 6.0 | 8.0 | 7.0 | 7.0 | -5.0 | 7.0 | 11.0 | 14.0 | 15.0 | 16.0 | 12.0 | 24 | 16.0 |
| 4 | 16.0 | 15.0 | 13.0 | 9.0 | 9.0 | 11.0 | 6.0 | 8.0 | 7.0 | 7.0 | 5.0 | 12.0 | 10.0 | 10.0 | 10.0 | 6.0 | 10.0 | 9.0 | 10.0 | 11.0 | 11.0 | 10.0 | 10.0 | 13.0 | 24 | 16.0 |
| 5 | 13.0 | 11.0 | 8.0 | 8.0 | 3.0 | .0 | 2.0 | 2.0 | 2.0 | .0 | .0 | 7.0 | 11.0 | 4.0 | 2.0 | 10.0 | 5.0 | -2.0 | 4.0 | 5.0 | 2.0 | 5.0 | 5.0 | 3.0 | 24 | 13.0 |
| 6 | 4.0 | 4.0 | 6.0 | 6.0 | 2.0 | 5.0 | 4.0 | 5.0 | 7.0 | 11.0 | 3.0 | 3.0 | 6.0 | 6.0 | 2.0 | 5.0 | 4.0 | -4.0 | -5.0 | -2.0 | 1.0 | 2.0 | 1.0 | 2.0 | 24 | 11.0 |
| 7 | .0 | 1.0 | 2.0 | 3.0 | 3.0 | .0 | 1.0 | 1.0 | 3.0 | 2.0 | 6.0 | 10.0 | 14.0 | 9.0 | 8.0 | 7.0 | 6.0 | 3.0 | 3.0 | 5.0 | 7.0 | 6.0 | 7.0 | 8.0 | 24 | 14.0 |
| 8 | 12.0 | 9.0 | 8.0 | 10.0 | 8.0 | 10.0 | 10.0 | 6.0 | 8.0 | 11.0 | 17.0 | 8.0 | 5.0 | 2.0 | 8.0 | 3.0 | 5.0 | .0 | .0 | 2.0 | .0 | -1.0 | .0 | 5.0 | 24 | 17.0 |
| 9 | 5.0 | 4.0 | 2.0 | 3.0 | 7.0 | 2.0 | 1.0 | 5.0 | 2.0 | 5.0 | 5.0 | 1.0 | 10.0 | 7.0 | 9.0 | 7.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 3.0 | 5.0 | 7.0 | 24 | 10.0 |
| 10 | 7.0 | 8.0 | 4.0 | 5.0 | 6.0 | 6.0 | 4.0 | 7.0 | 2.0 | 4.0 | 6.0 | 5.0 | 7.0 | 8.0 | 7.0 | 8.0 | 6.0 | 5.0 | 1.0 | 1.0 | 10.0 | 17.0 | 24.0 | 20.0 | 24 | 24.0 |
| 11 | 27.0 | 21.0 | 21.0 | 21.0 | 17.0 | 19.0 | 16.0 | 13.0 | 12.0 | 14.0 | 17.0 | 18.0 | 15.0 | 7.0 | 7.0 | 8.0 | 7.0 | 6.0 | 5.0 | 9.0 | 14.0 | 13.0 | 12.0 | 8.0 | 24 | 27.0 |
| 12 | 11.0 | 17.0 | 13.0 | 15.0 | 9.0 | 12.0 | 10.0 | 11.0 | 12.0 | 16.0 | AX | BA | BA | 23.0 | 20.0 | 15.0 | 14.0 | 13.0 | 9.0 | 7.0 | 7.0 | 10.0 | 7.0 | 2.0 | 21 | 23.0 |
| 13 | 5.0 | 6.0 | 6.0 | 9.0 | 10.0 | 13.0 | 9.0 | 8.0 | 10.0 | 8.0 | 14.0 | 9.0 | 10.0 | 12.0 | 10.0 | 12.0 | 9.0 | 6.0 | 10.0 | 12.0 | 15.0 | 14.0 | 10.0 | 14.0 | 24 | 15.0 |
| 14 | 17.0 | 16.0 | 22.0 | 14.0 | 13.0 | 13.0 | 13.0 | 14.0 | 11.0 | 11.0 | 9.0 | 8.0 | 8.0 | 4.0 | 6.0 | 2.0 | 7.0 | 5.0 | 5.0 | 6.0 | 5.0 | 3.0 | 4.0 | 9.0 | 24 | 22.0 |
| 15 | 7.0 | 9.0 | 12.0 | 15.0 | 16.0 | 16.0 | 14.0 | 17.0 | 14.0 | 6.0 | 4.0 | 5.0 | 6.0 | 5.0 | -1.0 | 7.0 | .0 | 1.0 | 3.0 | .0 | 2.0 | 1.0 | 1.0 | -2.0 | 24 | 17.0 |
| 16 | 5.0 | 6.0 | 1.0 | 2.0 | 3.0 | 3.0 | 1.0 | 5.0 | .0 | 2.0 | BA | BA | BA | .0 | 1.0 | 3.0 | 5.0 | 2.0 | 7.0 | 2.0 | 7.0 | 4.0 | 5.0 | 7.0 | 21 | 7.0 |
| 17 | 5.0 | 7.0 | 5.0 | 5.0 | 5.0 | 7.0 | 7.0 | 5.0 | 10.0 | 11.0 | 11.0 | 11.0 | 16.0 | 14.0 | 15.0 | 18.0 | 18.0 | 15.0 | 11.0 | 7.0 | 14.0 | 20.0 | 16.0 | 11.0 | 24 | 20.0 |
| 18 | 11.0 | 11.0 | 10.0 | 9.0 | 9.0 | 10.0 | 10.0 | 4.0 | 8.0 | 10.0 | 14.0 | 8.0 | 12.0 | 9.0 | 8.0 | 10.0 | 11.0 | -4.0 | -5.0 | 1.0 | 2.0 | 3.0 | -5.0 | -2.0 | 24 | 14.0 |
| 19 | 3.0 | -3.0 | .0 | -5.0 | 4.0 | .0 | 5.0 | 3.0 | 6.0 | 4.0 | 5.0 | 1.0 | 5.0 | 2.0 | 4.0 | 5.0 | 8.0 | 4.0 | 6.0 | 8.0 | 6.0 | 4.0 | 5.0 | 3.0 | 24 | 8.0 |
| 20 | 2.0 | 2.0 | 4.0 | 3.0 | 5.0 | 4.0 | 5.0 | 6.0 | 6.0 | 13.0 | 9.0 | 10.0 | 15.0 | 13.0 | 10.0 | 6.0 | 7.0 | 6.0 | 4.0 | BA | BA | 11.0 | 8.0 | 8.0 | 22 | 15.0 |
| 21 | 10.0 | 12.0 | 10.0 | 9.0 | 12.0 | 10.0 | 12.0 | 13.0 | 11.0 | 16.0 | 13.0 | 19.0 | AX | BA | BA | 11.0 | 5.0 | 6.0 | 5.0 | 2.0 | 8.0 | 6.0 | 3.0 | 9.0 | 21 | 19.0 |
| 22 | 7.0 | 10.0 | 10.0 | 9.0 | 13.0 | 9.0 | 9.0 | 13.0 | 10.0 | 12.0 | 14.0 | 13.0 | 15.0 | 11.0 | 12.0 | 10.0 | 8.0 | 8.0 | 8.0 | 8.0 | 6.0 | 4.0 | 9.0 | 7.0 | 24 | 15.0 |
| 23 | 5.0 | 2.0 | -2.0 | 3.0 | 6.0 | 10.0 | 10.0 | 8.0 | 7.0 | 11.0 | 8.0 | 10.0 | 9.0 | 6.0 | 11.0 | 14.0 | 6.0 | 6.0 | 2.0 | -4.0 | 8.0 | 15.0 | 10.0 | 13.0 | 24 | 15.0 |
| 24 | 11.0 | 12.0 | 10.0 | 13.0 | 10.0 | 12.0 | 9.0 | 14.0 | 11.0 | 12.0 | 10.0 | 13.0 | 12.0 | 18.0 | 17.0 | 15.0 | 15.0 | 17.0 | 12.0 | 12.0 | 11.0 | 14.0 | 19.0 | 21.0 | 24 | 21.0 |
| 25 | 23.0 | 25.0 | 19.0 | 21.0 | 24.0 | 17.0 | 13.0 | 16.0 | 12.0 | 13.0 | 9.0 | 10.0 | 8.0 | 13.0 | 8.0 | 15.0 | 5.0 | 7.0 | 2.0 | 6.0 | 9.0 | 5.0 | 3.0 | 4.0 | 24 | 25.0 |
| 26 | 5.0 | 7.0 | 6.0 | 8.0 | 4.0 | 7.0 | 4.0 | 4.0 | 5.0 | 1.0 | 10.0 | 4.0 | 11.0 | 9.0 | 12.0 | 11.0 | 10.0 | 9.0 | 11.0 | 11.0 | 15.0 | 14.0 | 17.0 | 14.0 | 24 | 17.0 |
| 27 | 13.0 | 15.0 | 13.0 | 16.0 | 14.0 | 11.0 | 10.0 | 8.0 | 10.0 | 6.0 | 10.0 | 6.0 | 3.0 | 9.0 | 7.0 | 9.0 | 14.0 | 8.0 | 7.0 | 10.0 | 10.0 | 10.0 | 7.0 | 10.0 | 24 | 16.0 |
| 28 | 8.0 | 5.0 | 1.0 | 1.0 | 1.0 | 3.0 | -5.0 | 3.0 | -1.0 | -2.0 | 6.0 | 4.0 | 8.0 | 5.0 | 6.0 | 4.0 | 4.0 | 4.0 | -3.0 | 1.0 | 10.0 | 6.0 | 19.0 | 23.0 | 24 | 23.0 |
| 29 | 13.0 | 11.0 | 14.0 | 14.0 | 11.0 | 10.0 | 12.0 | 8.0 | 5.0 | 10.0 | 6.0 | 11.0 | 10.0 | 5.0 | 9.0 | 12.0 | 8.0 | .0 | -3.0 | -2.0 | -1.0 | 2.0 | 2.0 | -5.0 | 24 | 14.0 |
| 30 | -1.0 | 4.0 | 2.0 | 1.0 | 2.0 | .0 | 1.0 | 2.0 | 1.0 | -1.0 | 1.0 | 8.0 | 5.0 | 6.0 | 2.0 | 6.0 | -1.0 | .0 | -1.0 | 5.0 | .0 | 3.0 | 7.0 | 6.0 | 24 | 8.0 |
| 31 | 5.0 | 8.0 | 5.0 | 7.0 | 7.0 | 15.0 | 11.0 | 10.0 | 8.0 | 5.0 | 7.0 | 8.0 | 5.0 | 4.0 | 8.0 | 8.0 | 2.0 | 2.0 | 7.0 | 6.0 | 3.0 | 8.0 | 8.0 | 6.0 | 24 | 15.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 29 | 28 | 30 | 30 | 31 | 31 | 31 | 31 | 30 | 30 | 31 | 31 | 31 | | |
| MAX: | 27.0 | 25.0 | 22.0 | 21.0 | 24.0 | 19.0 | 16.0 | 17.0 | 14.0 | 16.0 | 17.0 | 19.0 | 16.0 | 23.0 | 20.0 | 18.0 | 18.0 | 17.0 | 12.0 | 12.0 | 15.0 | 20.0 | 24.0 | 23.0 | | |
| AVG: | 8.71 | 8.90 | 7.94 | 8.19 | 7.87 | 8.13 | 6.94 | 7.29 | 6.77 | 7.39 | 8.31 | 8.52 | 8.96 | 8.07 | 7.90 | 8.55 | 7.06 | 4.35 | 4.19 | 5.10 | 7.20 | 7.71 | 8.10 | 8.13 | | |

MONTHLY OBSERVATIONS: 733 MONTHLY MEAN: 7.50 MONTHLY MAX: 27.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-121-0004 POC: 1
COUNTY: (121) Mitchell
CITY: (64260) Spruce Pine
SITE ADDRESS: 272 Hospital Dr
SITE COMMENTS: Monitor moved 10 meters on 3/31/2015
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.9124870009
LONGITUDE: -82.062082
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 788
PROBE HEIGHT: 2.31

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: 2016

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

| Day | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.8 | | 11.3 | | | | | 6.7 | | | 14.0 IT | |
| 2 | | | | | | 6.8 | 9.4 | | | | 14.1 IT | 2.8 |
| 3 | | 2.7 | | 3.3 | 4.3 | | | | 6.7 | 6.7 | 12.5 | |
| 4 | 3.7 V | | 3.6 | | | | | 4.4 | | | | |
| 5 | | | | | | 3.1 | 7.8 | | | | 5.3 | 3.8 |
| 6 | | 9.7 | | 5.9 | 4.7 | | | | BJ | 4.7 | | |
| 7 | 14.7 | | 9.4 | | | | | 8.5 | | | | |
| 8 | | | | | | 3.8 | 7.1 | | 9.8 | | 33.7 IT | 3.6 |
| 9 | | 3.5 V | | 3.3 | 11.4 | | | | 10.3 | 3.2 | | |
| 10 | 1.4 V | | 13.8 | | | | | 4.2 | | | | |
| 11 | | | | | | 11.2 | 7.0 | | | | 8.7 | 9.6 V |
| 12 | | 6.3 | | 4.7 | 7.5 | | | | 9.4 | 7.5 | | |
| 13 | 2.9 V | | 9.0 | | | | | 7.0 | | | | |
| 14 | | | | | | 10.1 | 8.6 | | | | P 58.9 IT | 5.4 |
| 15 | | 7.0 V | | 5.9 | 2.9 | | | | 6.6 | 9.2 | | |
| 16 | 4.3 | | 8.7 | | | | | 7.2 | | | | |
| 17 | | | | | | 4.7 | AJ | | | | 14.5 IT | 6.0 |
| 18 | | 5.7 | | 9.3 | 7.8 | | | | 7.9 | 6.7 | | |
| 19 | 5.6 V | | 11.1 | | | | | 3.6 | | | | |
| 20 | | | | | | 7.0 | 8.5 | | | | 4.2 V | 5.8 |
| 21 | | 7.8 | | 12.0 | 3.5 | | | | 5.1 | 4.3 | | |
| 22 | 5.0 V | | 6.2 | | | | | 5.3 | | | | |
| 23 | | | | | | 10.5 | 8.7 | | | | P 71.4 IT | 8.1 |
| 24 | | 2.7 | | 7.6 | 6.3 | | | | 5.6 | 6.5 | | |
| 25 | 21.1 | | 9.4 | | | | | 8.5 | | | | |
| 26 | | | | | | 10.1 | 7.9 | | | | 9.2 | 5.3 |
| 27 | | 4.4 | | 16.0 | 14.2 | | | | 7.7 | AN | | |
| 28 | 10.5 | | 3.0 | | | | | 10.5 | | | | |
| 29 | | | | | | 7.5 | 3.7 | | | | 4.0 | 3.6 |
| 30 | | | | 8.6 | 7.9 | | | | 5.6 | AN | | |
| 31 | 14.2 | | 6.2 | | | | | 9.2 | | | | |
| NO.: | 11 | 9 | 11 | 10 | 10 | 10 | 9 | 11 | 10 | 8 | 12 | 10 |
| MAX: | 21.1 | 9.7 | 13.8 | 16.0 | 14.2 | 11.2 | 9.4 | 10.5 | 10.3 | 9.2 | 71.4 | 9.6 |
| MEAN: | 7.93 | 5.53 | 8.34 | 7.66 | 7.05 | 7.48 | 7.63 | 6.83 | 7.47 | 6.10 | 20.88 | 5.40 |

ANNUAL OBSERVATIONS: 121 ANNUAL MEAN: 8.45 ANNUAL MAX: 71.4

2 Values marked with 'P' exceed the PRIMARY STANDARD of: 35.5
2 Values marked with 'S' exceed the SECONDARY STANDARD of: 35.5

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-121-0004 POC: 3
COUNTY: (121) Mitchell
CITY: (64260) Spruce Pine
SITE ADDRESS: 272 Hospital Dr
SITE COMMENTS: Monitor moved 10 meters on 3/31/2015
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.9124870009
LONGITUDE: -82.062082
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 788
PROBE HEIGHT: 2.31

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JULY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 18 | | | | | | | | | | | | | | | | | | BA | BA | BA | 10.0 | 6.0 | 5.0 | 7.0 | 4 | 10.0 |
| 19 | 7.0 | 7.0 | 10.0 | 8.0 | 8.0 | 10.0 | 9.0 | 6.0 | 14.0 | 13.0 | 6.0 | 13.0 | 14.0 | 10.0 | AX | 6.0 | 10.0 | 9.0 | 16.0 | 11.0 | 8.0 | 10.0 | 8.0 | 7.0 | 23 | 16.0 |
| 20 | 7.0 | 8.0 | 6.0 | 4.0 | 4.0 | 7.0 | 3.0 | 5.0 | 2.0 | 11.0 | 13.0 | 11.0 | 9.0 | 8.0 | 6.0 | 7.0 | 9.0 | 18.0 | 12.0 | 11.0 | 14.0 | 10.0 | 9.0 | 10.0 | 24 | 18.0 |
| 21 | 10.0 | 8.0 | 8.0 | 8.0 | 11.0 | 8.0 | 9.0 | 8.0 | 10.0 | 13.0 | 16.0 | 13.0 | 17.0 | 14.0 | 15.0 | 14.0 | 19.0 | 4.0 | 16.0 | 7.0 | 14.0 | 12.0 | 9.0 | 9.0 | 24 | 19.0 |
| 22 | 9.0 | 9.0 | 11.0 | 6.0 | 12.0 | 6.0 | 8.0 | 5.0 | 4.0 | 12.0 | 10.0 | 12.0 | 12.0 | 15.0 | 11.0 | 12.0 | 5.0 | 10.0 | 8.0 | 5.0 | 7.0 | 5.0 | 5.0 | 7.0 | 24 | 15.0 |
| 23 | 6.0 | 9.0 | 7.0 | 5.0 | 8.0 | 8.0 | 6.0 | 4.0 | 9.0 | 11.0 | 10.0 | 15.0 | 11.0 | 11.0 | 7.0 | 3.0 | 6.0 | 8.0 | 9.0 | 7.0 | 11.0 | 8.0 | 9.0 | 10.0 | 24 | 15.0 |
| 24 | 8.0 | 10.0 | 11.0 | 6.0 | 10.0 | 6.0 | 6.0 | 3.0 | 4.0 | 5.0 | 8.0 | 11.0 | 12.0 | 10.0 | 11.0 | 14.0 | 9.0 | 15.0 | 12.0 | 9.0 | 11.0 | 9.0 | 12.0 | 13.0 | 24 | 15.0 |
| 25 | 10.0 | 10.0 | 8.0 | 11.0 | 10.0 | 11.0 | 11.0 | 6.0 | AX | BA | 11.0 | 14.0 | 13.0 | 9.0 | 11.0 | 9.0 | 1.0 | 8.0 | 8.0 | -1.0 | 6.0 | 5.0 | 4.0 | 3.0 | 22 | 14.0 |
| 26 | 5.0 | 4.0 | 6.0 | 5.0 | 5.0 | 3.0 | 6.0 | 3.0 | 4.0 | 9.0 | 12.0 | 12.0 | 12.0 | 10.0 | 9.0 | 5.0 | 8.0 | 10.0 | 13.0 | 10.0 | 10.0 | 11.0 | 10.0 | 9.0 | 24 | 13.0 |
| 27 | 10.0 | 9.0 | 8.0 | 11.0 | 7.0 | 9.0 | 4.0 | 8.0 | 5.0 | 12.0 | 13.0 | 13.0 | 11.0 | 10.0 | 22.0 | 9.0 | 16.0 | 12.0 | 14.0 | 9.0 | 1.0 | 3.0 | 4.0 | 8.0 | 24 | 22.0 |
| 28 | 3.0 | 8.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 1.0 | 7.0 | 7.0 | 7.0 | 8.0 | 6.0 | 4.0 | 13.0 | 6.0 | 4.0 | 5.0 | 2.0 | 10.0 | 3.0 | 6.0 | 5.0 | 1.0 | 24 | 13.0 |
| 29 | .0 | .0 | .0 | 2.0 | 2.0 | .0 | 1.0 | .0 | .0 | 4.0 | 5.0 | 10.0 | 6.0 | 2.0 | 4.0 | 8.0 | 2.0 | 6.0 | 9.0 | 11.0 | 1.0 | .0 | 1.0 | 4.0 | 24 | 11.0 |
| 30 | 3.0 | 1.0 | 2.0 | 4.0 | 2.0 | -1.0 | .0 | 5.0 | 4.0 | 9.0 | 8.0 | 10.0 | 17.0 | -5.0 | 4.0 | 7.0 | 5.0 | 5.0 | 5.0 | 13.0 | 4.0 | 6.0 | 8.0 | 8.0 | 24 | 17.0 |
| 31 | 6.0 | 5.0 | 5.0 | 5.0 | 8.0 | 5.0 | 5.0 | 8.0 | 6.0 | 10.0 | 9.0 | 10.0 | 11.0 | 9.0 | 6.0 | 6.0 | 6.0 | 11.0 | 3.0 | 10.0 | 6.0 | 8.0 | 9.0 | 5.0 | 24 | 11.0 |
| NO.: | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 13 | 13 | 13 | 13 | 12 | 13 | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 14 | | |
| MAX: | 10.0 | 10.0 | 11.0 | 11.0 | 12.0 | 11.0 | 11.0 | 8.0 | 14.0 | 13.0 | 16.0 | 15.0 | 17.0 | 15.0 | 22.0 | 14.0 | 19.0 | 18.0 | 16.0 | 13.0 | 14.0 | 12.0 | 12.0 | 13.0 | | |
| AVG: | 6.46 | 6.77 | 6.62 | 6.08 | 7.08 | 5.92 | 5.62 | 4.77 | 5.75 | 9.67 | 9.85 | 11.69 | 11.62 | 8.23 | 9.92 | 8.15 | 7.69 | 9.31 | 9.77 | 8.62 | 7.57 | 7.07 | 7.00 | 7.21 | | |

MONTHLY OBSERVATIONS: 313 MONTHLY MEAN: 7.84 MONTHLY MAX: 22.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-121-0004 POC: 3
COUNTY: (121) Mitchell
CITY: (64260) Spruce Pine
SITE ADDRESS: 272 Hospital Dr
SITE COMMENTS: Monitor moved 10 meters on 3/31/2015
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.9124870009
LONGITUDE: -82.062082
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 788
PROBE HEIGHT: 2.31

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: AUGUST 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.0 | 7.0 | 5.0 | 6.0 | 7.0 | 4.0 | 6.0 | 3.0 | 2.0 | 9.0 | 9.0 | 11.0 | 7.0 | 13.0 | 5.0 | 7.0 | 11.0 | 5.0 | 2.0 | 8.0 | 4.0 | 4.0 | 7.0 | 12.0 | 24 | 13.0 |
| 2 | 6.0 | 7.0 | 3.0 | 8.0 | 9.0 | 6.0 | 8.0 | 7.0 | 11.0 | 6.0 | 15.0 | 9.0 | 11.0 | 11.0 | 6.0 | 4.0 | 7.0 | -1.0 | 11.0 | 8.0 | 9.0 | 3.0 | 8.0 | 4.0 | 24 | 15.0 |
| 3 | 2.0 | 4.0 | 7.0 | 4.0 | 8.0 | 4.0 | 7.0 | 5.0 | 5.0 | -1.0 | 9.0 | 10.0 | 8.0 | 5.0 | 13.0 | 5.0 | 9.0 | 13.0 | 3.0 | 5.0 | 7.0 | 3.0 | 3.0 | 4.0 | 24 | 13.0 |
| 4 | 2.0 | 5.0 | 7.0 | 8.0 | 4.0 | 6.0 | 7.0 | 7.0 | 4.0 | 4.0 | 2.0 | 3.0 | -2.0 | .0 | 3.0 | 1.0 | 3.0 | 5.0 | 1.0 | 5.0 | 10.0 | 7.0 | 12.0 | 7.0 | 24 | 12.0 |
| 5 | 11.0 | 13.0 | 8.0 | 10.0 | 8.0 | 5.0 | 8.0 | 2.0 | -1.0 | .0 | 2.0 | 7.0 | 5.0 | 9.0 | 11.0 | 2.0 | 2.0 | .0 | 7.0 | 7.0 | 4.0 | 5.0 | 6.0 | 6.0 | 24 | 13.0 |
| 6 | 5.0 | 3.0 | 3.0 | 4.0 | 6.0 | 6.0 | 3.0 | 2.0 | 2.0 | 15.0 | 21.0 | 16.0 | 10.0 | 8.0 | 10.0 | 12.0 | 5.0 | 9.0 | 9.0 | 10.0 | 12.0 | 9.0 | 10.0 | 9.0 | 24 | 21.0 |
| 7 | 9.0 | 6.0 | 8.0 | 7.0 | 7.0 | 9.0 | 9.0 | 5.0 | 5.0 | 13.0 | 12.0 | 8.0 | 9.0 | 12.0 | 15.0 | 13.0 | 9.0 | -2.0 | 5.0 | 8.0 | 5.0 | 4.0 | 9.0 | 9.0 | 24 | 15.0 |
| 8 | 5.0 | 9.0 | 7.0 | 8.0 | 7.0 | 2.0 | 3.0 | 2.0 | 3.0 | 1.0 | 1.0 | 6.0 | 6.0 | 6.0 | 5.0 | 8.0 | 5.0 | 8.0 | 6.0 | 7.0 | 9.0 | 4.0 | 6.0 | 8.0 | 24 | 9.0 |
| 9 | 10.0 | 5.0 | 3.0 | 5.0 | 6.0 | 6.0 | 5.0 | 7.0 | 4.0 | 9.0 | 7.0 | AX | 6.0 | 6.0 | 8.0 | 7.0 | 2.0 | 8.0 | 11.0 | 8.0 | -1.0 | .0 | 2.0 | 2.0 | 23 | 11.0 |
| 10 | 3.0 | 5.0 | 1.0 | 2.0 | 4.0 | 1.0 | 3.0 | 2.0 | .0 | 2.0 | 1.0 | 6.0 | 6.0 | 8.0 | 10.0 | 8.0 | 4.0 | .0 | 3.0 | 3.0 | 3.0 | .0 | 5.0 | 5.0 | 24 | 10.0 |
| 11 | 5.0 | 4.0 | 3.0 | 4.0 | 7.0 | 6.0 | 6.0 | 3.0 | 4.0 | 6.0 | 7.0 | 1.0 | 7.0 | 6.0 | 2.0 | 9.0 | 7.0 | 4.0 | 9.0 | 6.0 | 4.0 | 7.0 | 6.0 | 9.0 | 24 | 9.0 |
| 12 | 3.0 | 6.0 | 3.0 | 6.0 | 4.0 | 5.0 | 4.0 | 4.0 | .0 | 6.0 | 9.0 | 3.0 | 7.0 | 3.0 | 9.0 | 7.0 | 3.0 | 3.0 | 7.0 | 5.0 | 2.0 | 8.0 | 5.0 | 11.0 | 24 | 11.0 |
| 13 | 6.0 | 7.0 | 9.0 | 10.0 | 6.0 | 4.0 | 9.0 | 13.0 | 2.0 | 12.0 | 9.0 | 6.0 | 8.0 | 9.0 | 7.0 | 4.0 | 9.0 | 6.0 | 8.0 | 6.0 | 4.0 | 6.0 | 7.0 | 5.0 | 24 | 13.0 |
| 14 | 4.0 | 13.0 | 5.0 | 4.0 | 3.0 | 1.0 | 6.0 | 6.0 | 3.0 | 1.0 | 8.0 | 11.0 | 5.0 | -5.0 | 1.0 | -2.0 | AV | AV | -5.0 | 4.0 | 6.0 | .0 | 2.0 | 1.0 | 22 | 13.0 |
| 15 | .0 | 4.0 | 5.0 | 2.0 | .0 | 4.0 | .0 | 2.0 | .0 | -4.0 | 8.0 | 10.0 | 10.0 | 6.0 | 8.0 | 13.0 | 13.0 | 9.0 | 3.0 | 5.0 | 4.0 | 5.0 | 8.0 | 3.0 | 24 | 13.0 |
| 16 | 6.0 | 5.0 | 8.0 | 6.0 | 10.0 | 6.0 | 4.0 | 7.0 | 2.0 | 10.0 | 10.0 | 12.0 | 5.0 | 1.0 | 12.0 | .0 | 5.0 | 4.0 | 9.0 | 6.0 | 5.0 | 4.0 | 9.0 | 11.0 | 24 | 12.0 |
| 17 | 9.0 | 6.0 | 7.0 | 4.0 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 6.0 | 11.0 | 7.0 | 6.0 | -1.0 | 7.0 | .0 | 3.0 | 5.0 | 6.0 | 6.0 | 7.0 | 4.0 | 5.0 | 3.0 | 24 | 11.0 |
| 18 | 4.0 | 1.0 | 2.0 | 1.0 | 1.0 | 3.0 | 3.0 | .0 | .0 | 3.0 | 8.0 | 3.0 | 5.0 | 3.0 | -2.0 | -1.0 | 1.0 | 1.0 | 6.0 | 6.0 | -1.0 | 1.0 | 7.0 | 3.0 | 24 | 8.0 |
| 19 | 2.0 | .0 | .0 | 2.0 | 3.0 | 4.0 | 2.0 | 4.0 | 2.0 | 2.0 | 4.0 | 4.0 | 3.0 | 6.0 | 1.0 | 4.0 | 6.0 | 2.0 | 3.0 | 5.0 | 2.0 | 7.0 | 9.0 | 5.0 | 24 | 9.0 |
| 20 | 6.0 | 4.0 | -1.0 | 4.0 | 7.0 | 3.0 | .0 | .0 | -5.0 | 7.0 | 4.0 | 6.0 | 5.0 | -2.0 | 5.0 | 10.0 | -1.0 | -3.0 | 2.0 | 1.0 | -1.0 | -1.0 | 3.0 | 1.0 | 24 | 10.0 |
| 21 | -1.0 | .0 | 1.0 | 1.0 | 3.0 | 3.0 | 4.0 | 3.0 | 5.0 | 4.0 | 10.0 | 11.0 | 3.0 | 3.0 | 10.0 | 3.0 | 1.0 | 2.0 | .0 | .0 | 4.0 | -1.0 | 3.0 | 1.0 | 24 | 11.0 |
| 22 | 3.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 3.0 | 5.0 | -1.0 | 9.0 | 7.0 | 5.0 | 4.0 | 3.0 | 7.0 | 6.0 | 4.0 | 4.0 | 3.0 | 5.0 | 3.0 | 5.0 | .0 | 6.0 | 24 | 9.0 |
| 23 | 6.0 | 6.0 | 5.0 | 9.0 | 6.0 | 6.0 | 6.0 | 7.0 | 3.0 | 6.0 | 11.0 | 6.0 | 6.0 | 6.0 | 8.0 | 6.0 | 7.0 | 7.0 | 4.0 | 6.0 | 7.0 | 9.0 | 7.0 | 11.0 | 24 | 11.0 |
| 24 | 9.0 | 10.0 | 10.0 | 8.0 | 8.0 | 7.0 | 6.0 | 9.0 | 6.0 | 11.0 | 10.0 | 11.0 | 9.0 | 8.0 | 13.0 | 11.0 | 12.0 | 15.0 | 9.0 | 13.0 | 7.0 | 12.0 | 10.0 | 18.0 | 24 | 18.0 |
| 25 | 14.0 | 24.0 | 11.0 | 12.0 | 10.0 | 8.0 | 8.0 | 7.0 | 7.0 | 4.0 | 16.0 | 11.0 | 5.0 | 11.0 | 5.0 | 9.0 | 6.0 | 7.0 | 12.0 | 7.0 | 7.0 | 10.0 | 7.0 | 9.0 | 24 | 24.0 |
| 26 | 5.0 | 9.0 | 10.0 | 5.0 | 2.0 | 4.0 | 6.0 | 6.0 | 3.0 | 8.0 | 11.0 | 15.0 | 9.0 | 8.0 | 8.0 | 10.0 | 5.0 | 11.0 | 7.0 | 8.0 | 8.0 | 11.0 | 9.0 | 13.0 | 24 | 15.0 |
| 27 | 6.0 | 15.0 | 7.0 | 6.0 | 6.0 | 4.0 | 4.0 | 6.0 | 4.0 | 4.0 | 17.0 | 14.0 | 14.0 | 12.0 | 14.0 | 13.0 | 13.0 | 16.0 | 4.0 | 6.0 | 10.0 | 5.0 | 6.0 | 5.0 | 24 | 17.0 |
| 28 | 5.0 | 6.0 | 6.0 | 6.0 | 9.0 | 8.0 | 8.0 | 12.0 | 16.0 | 16.0 | 16.0 | 15.0 | 16.0 | 12.0 | 13.0 | 13.0 | 12.0 | 9.0 | 12.0 | 11.0 | 6.0 | 11.0 | 15.0 | 10.0 | 24 | 16.0 |
| 29 | 9.0 | 8.0 | 10.0 | 11.0 | 7.0 | 7.0 | 9.0 | 5.0 | 4.0 | 12.0 | 15.0 | 16.0 | 10.0 | 8.0 | AZ | AZ | 5.0 | 11.0 | 8.0 | 16.0 | 10.0 | 12.0 | 15.0 | 9.0 | 22 | 16.0 |
| 30 | 12.0 | 10.0 | 11.0 | 11.0 | 7.0 | 10.0 | 10.0 | 9.0 | 3.0 | 13.0 | 15.0 | 17.0 | 11.0 | 8.0 | 10.0 | 8.0 | 10.0 | 8.0 | 10.0 | 17.0 | 11.0 | 12.0 | 12.0 | 9.0 | 24 | 17.0 |
| 31 | 10.0 | 7.0 | 10.0 | 9.0 | 11.0 | 11.0 | 8.0 | 5.0 | 5.0 | 3.0 | 11.0 | 14.0 | 14.0 | 13.0 | 10.0 | 10.0 | 10.0 | 3.0 | 8.0 | 9.0 | 5.0 | 6.0 | 9.0 | 7.0 | 24 | 14.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 31 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 14.0 | 24.0 | 11.0 | 12.0 | 11.0 | 11.0 | 10.0 | 13.0 | 16.0 | 16.0 | 21.0 | 17.0 | 16.0 | 13.0 | 15.0 | 13.0 | 13.0 | 16.0 | 12.0 | 17.0 | 12.0 | 12.0 | 15.0 | 18.0 | | |
| AVG: | 5.81 | 6.90 | 5.77 | 6.06 | 5.97 | 5.29 | 5.45 | 5.16 | 3.32 | 6.35 | 9.55 | 9.13 | 7.35 | 6.32 | 7.80 | 6.67 | 6.27 | 5.63 | 5.90 | 7.00 | 5.55 | 5.55 | 7.16 | 6.97 | | |

MONTHLY OBSERVATIONS: 739 MONTHLY MEAN: 6.37 MONTHLY MAX: 24.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-121-0004 POC: 3
COUNTY: (121) Mitchell
CITY: (64260) Spruce Pine
SITE ADDRESS: 272 Hospital Dr
SITE COMMENTS: Monitor moved 10 meters on 3/31/2015
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.9124870009
LONGITUDE: -82.062082
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 788
PROBE HEIGHT: 2.31

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: SEPTEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.0 | 7.0 | 10.0 | 10.0 | 7.0 | 4.0 | 2.0 | 3.0 | 4.0 | 3.0 | 12.0 | 10.0 | 9.0 | 13.0 | 12.0 | 6.0 | 2.0 | 6.0 | 7.0 | 8.0 | 3.0 | 5.0 | 5.0 | 10.0 | 24 | 13.0 |
| 2 | 7.0 | 5.0 | 10.0 | 9.0 | 13.0 | 4.0 | 5.0 | 6.0 | 5.0 | 6.0 | 8.0 | 5.0 | 7.0 | 9.0 | 6.0 | 7.0 | 9.0 | 4.0 | 6.0 | 4.0 | 4.0 | 8.0 | 4.0 | 6.0 | 24 | 13.0 |
| 3 | 9.0 | 6.0 | 2.0 | 6.0 | 1.0 | 5.0 | 3.0 | 3.0 | -3.0 | -5.0 | 9.0 | 5.0 | 6.0 | 3.0 | 2.0 | 3.0 | 1.0 | 1.0 | 4.0 | 6.0 | 13.0 | 7.0 | 8.0 | 7.0 | 24 | 13.0 |
| 4 | 6.0 | 3.0 | 8.0 | 6.0 | 6.0 | 6.0 | 5.0 | 2.0 | -5.0 | 5.0 | 10.0 | 8.0 | 9.0 | 5.0 | 9.0 | 1.0 | 14.0 | 7.0 | 6.0 | 12.0 | 5.0 | 13.0 | 12.0 | 8.0 | 24 | 14.0 |
| 5 | 8.0 | 6.0 | 1.0 | 6.0 | 3.0 | 8.0 | 4.0 | 3.0 | 3.0 | -3.0 | 5.0 | 6.0 | 4.0 | 5.0 | 2.0 | 6.0 | 5.0 | 5.0 | 6.0 | 9.0 | 4.0 | 6.0 | 5.0 | 5.0 | 24 | 9.0 |
| 6 | 7.0 | 8.0 | 4.0 | 5.0 | 6.0 | 6.0 | 6.0 | 4.0 | -2.0 | 6.0 | 8.0 | 7.0 | 9.0 | 5.0 | 6.0 | 8.0 | 9.0 | 10.0 | 11.0 | 11.0 | 6.0 | 9.0 | 11.0 | 10.0 | 24 | 11.0 |
| 7 | 9.0 | 11.0 | 10.0 | 8.0 | 8.0 | 9.0 | 8.0 | 6.0 | -1.0 | 11.0 | AX | BA | 13.0 | 8.0 | 9.0 | 10.0 | 8.0 | 11.0 | 11.0 | 9.0 | 8.0 | 6.0 | 10.0 | 9.0 | 22 | 13.0 |
| 8 | 7.0 | 9.0 | 9.0 | 5.0 | 8.0 | 8.0 | 8.0 | 6.0 | -2.0 | 8.0 | 14.0 | 15.0 | 14.0 | 10.0 | 10.0 | 8.0 | 7.0 | 10.0 | 11.0 | 7.0 | 8.0 | 9.0 | 7.0 | 10.0 | 24 | 15.0 |
| 9 | 11.0 | 9.0 | 7.0 | 10.0 | 8.0 | 10.0 | 9.0 | 8.0 | 9.0 | .0 | 13.0 | 12.0 | 14.0 | 12.0 | 17.0 | 11.0 | 14.0 | 7.0 | 15.0 | 12.0 | 11.0 | 11.0 | 12.0 | 11.0 | 24 | 17.0 |
| 10 | 10.0 | 10.0 | 9.0 | 14.0 | 10.0 | 10.0 | 12.0 | 9.0 | 5.0 | 10.0 | 16.0 | 12.0 | 17.0 | 9.0 | 15.0 | 11.0 | 11.0 | 17.0 | 16.0 | 17.0 | 15.0 | 13.0 | 15.0 | 17.0 | 24 | 17.0 |
| 11 | 13.0 | 18.0 | 13.0 | 6.0 | 6.0 | 3.0 | 3.0 | 4.0 | .0 | 1.0 | 7.0 | 6.0 | 4.0 | -1.0 | 4.0 | 2.0 | 3.0 | 5.0 | 8.0 | 4.0 | 1.0 | 8.0 | 4.0 | 9.0 | 24 | 18.0 |
| 12 | 4.0 | 4.0 | 4.0 | 1.0 | 8.0 | 2.0 | 4.0 | 3.0 | 1.0 | 5.0 | 13.0 | 10.0 | 12.0 | 8.0 | 9.0 | 10.0 | 9.0 | 9.0 | 10.0 | 11.0 | 10.0 | 14.0 | 12.0 | 14.0 | 24 | 14.0 |
| 13 | 13.0 | 12.0 | 15.0 | 11.0 | 9.0 | 9.0 | 10.0 | 6.0 | 8.0 | 11.0 | 12.0 | 8.0 | 10.0 | 6.0 | 7.0 | 8.0 | 8.0 | 7.0 | 12.0 | 9.0 | 7.0 | 6.0 | 8.0 | 9.0 | 24 | 15.0 |
| 14 | 9.0 | 6.0 | 9.0 | 6.0 | 7.0 | 6.0 | 5.0 | 9.0 | 1.0 | 4.0 | 7.0 | 6.0 | 10.0 | 13.0 | 13.0 | 5.0 | 8.0 | 10.0 | 12.0 | 7.0 | 7.0 | 7.0 | 9.0 | 7.0 | 24 | 13.0 |
| 15 | 6.0 | 6.0 | 9.0 | 7.0 | 9.0 | 7.0 | 4.0 | 3.0 | -1.0 | 5.0 | 10.0 | 11.0 | 7.0 | 8.0 | 5.0 | 7.0 | 8.0 | 8.0 | 11.0 | 8.0 | 9.0 | 9.0 | 9.0 | 2.0 | 24 | 11.0 |
| 16 | 4.0 | 9.0 | 11.0 | 12.0 | 10.0 | 11.0 | 11.0 | 11.0 | 10.0 | 6.0 | 5.0 | 8.0 | 9.0 | 15.0 | 11.0 | 11.0 | 16.0 | 9.0 | 12.0 | 13.0 | 12.0 | 12.0 | 12.0 | 14.0 | 24 | 16.0 |
| 17 | 9.0 | 10.0 | 13.0 | 15.0 | 16.0 | 12.0 | 16.0 | 13.0 | 10.0 | 14.0 | 15.0 | 11.0 | 6.0 | 12.0 | 12.0 | 10.0 | 8.0 | 15.0 | 6.0 | 6.0 | 9.0 | 11.0 | 9.0 | 8.0 | 24 | 16.0 |
| 18 | 8.0 | 10.0 | 5.0 | 9.0 | 9.0 | 7.0 | 6.0 | 7.0 | 4.0 | -4.0 | 11.0 | 8.0 | 9.0 | 6.0 | 9.0 | 3.0 | 8.0 | 7.0 | 9.0 | 7.0 | 6.0 | 8.0 | 10.0 | 6.0 | 24 | 11.0 |
| 19 | 5.0 | 6.0 | 5.0 | 5.0 | 9.0 | 4.0 | 1.0 | 3.0 | 3.0 | -3.0 | 7.0 | -4.0 | 4.0 | 6.0 | 6.0 | 5.0 | 2.0 | 4.0 | 4.0 | 2.0 | .0 | .0 | 3.0 | .0 | 24 | 9.0 |
| 20 | 6.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 2.0 | 2.0 | 1.0 | -2.0 | 5.0 | 8.0 | 8.0 | 5.0 | 4.0 | 7.0 | -1.0 | 6.0 | 4.0 | 6.0 | 4.0 | 8.0 | 10.0 | 7.0 | 24 | 10.0 |
| 21 | 3.0 | 5.0 | 5.0 | 4.0 | 6.0 | 3.0 | 5.0 | 4.0 | -4.0 | 7.0 | AX | BA | 4.0 | 4.0 | 6.0 | -2.0 | 3.0 | 1.0 | 8.0 | 4.0 | 8.0 | 2.0 | .0 | 4.0 | 22 | 8.0 |
| 22 | 4.0 | 4.0 | 4.0 | 8.0 | 2.0 | 4.0 | 3.0 | 10.0 | 3.0 | 2.0 | 7.0 | 4.0 | 2.0 | 5.0 | 1.0 | -1.0 | 4.0 | -1.0 | 6.0 | 4.0 | 3.0 | 4.0 | 3.0 | -1.0 | 24 | 10.0 |
| 23 | 3.0 | 2.0 | 4.0 | -1.0 | 2.0 | 4.0 | -1.0 | 1.0 | -5.0 | -5.0 | 5.0 | 3.0 | 6.0 | 3.0 | 2.0 | .0 | 6.0 | 12.0 | 2.0 | 3.0 | .0 | 3.0 | 4.0 | 6.0 | 24 | 12.0 |
| 24 | 5.0 | 2.0 | 3.0 | 3.0 | 5.0 | 1.0 | 5.0 | 3.0 | -4.0 | 4.0 | 4.0 | 7.0 | 7.0 | 5.0 | 3.0 | 4.0 | 1.0 | 5.0 | 7.0 | 4.0 | 1.0 | 7.0 | 2.0 | 5.0 | 24 | 7.0 |
| 25 | 3.0 | 5.0 | 4.0 | 3.0 | 1.0 | 1.0 | 3.0 | 1.0 | -1.0 | 7.0 | 14.0 | 15.0 | 18.0 | 18.0 | 15.0 | 18.0 | 15.0 | 17.0 | 18.0 | 15.0 | 12.0 | 17.0 | 20.0 | 17.0 | 24 | 20.0 |
| 26 | 17.0 | 17.0 | 20.0 | 18.0 | 19.0 | 19.0 | 16.0 | 14.0 | 14.0 | 14.0 | 12.0 | 13.0 | 17.0 | 13.0 | 22.0 | 1.0 | 7.0 | 7.0 | 6.0 | 9.0 | 6.0 | 6.0 | 4.0 | 6.0 | 24 | 22.0 |
| 27 | 12.0 | 7.0 | 10.0 | 5.0 | 7.0 | 8.0 | 4.0 | 5.0 | 6.0 | 7.0 | 7.0 | 11.0 | 6.0 | 14.0 | 10.0 | 6.0 | 8.0 | 7.0 | 9.0 | 9.0 | 8.0 | 11.0 | 9.0 | 9.0 | 24 | 14.0 |
| 28 | 9.0 | 8.0 | 3.0 | 7.0 | 5.0 | 5.0 | 6.0 | .0 | 2.0 | 4.0 | 3.0 | 11.0 | 10.0 | 5.0 | 8.0 | 11.0 | 7.0 | 9.0 | 12.0 | 10.0 | 8.0 | 4.0 | 4.0 | 7.0 | 24 | 12.0 |
| 29 | 4.0 | 3.0 | 1.0 | 1.0 | 4.0 | 1.0 | 3.0 | .0 | -2.0 | 1.0 | 14.0 | 6.0 | 11.0 | 9.0 | 9.0 | 11.0 | 8.0 | 16.0 | 22.0 | 6.0 | 5.0 | 8.0 | 3.0 | 6.0 | 24 | 22.0 |
| 30 | 4.0 | 6.0 | 7.0 | 4.0 | 8.0 | 7.0 | 7.0 | 5.0 | .0 | .0 | 3.0 | 8.0 | 10.0 | 6.0 | 5.0 | 6.0 | 5.0 | 9.0 | 3.0 | 4.0 | 4.0 | 8.0 | 6.0 | 4.0 | 24 | 10.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 28 | 28 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 17.0 | 18.0 | 20.0 | 18.0 | 19.0 | 19.0 | 16.0 | 14.0 | 14.0 | 14.0 | 16.0 | 15.0 | 18.0 | 18.0 | 22.0 | 18.0 | 16.0 | 17.0 | 22.0 | 17.0 | 15.0 | 17.0 | 20.0 | 17.0 | | |
| AVG: | 7.37 | 7.17 | 7.20 | 6.77 | 7.10 | 6.13 | 5.83 | 5.13 | 1.97 | 3.97 | 9.14 | 8.21 | 9.07 | 7.97 | 8.30 | 6.43 | 7.10 | 8.00 | 9.13 | 7.87 | 6.57 | 8.00 | 7.67 | 7.73 | | |

MONTHLY OBSERVATIONS: 716 MONTHLY MEAN: 7.07 MONTHLY MAX: 22.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-121-0004 POC: 3
COUNTY: (121) Mitchell
CITY: (64260) Spruce Pine
SITE ADDRESS: 272 Hospital Dr
SITE COMMENTS: Monitor moved 10 meters on 3/31/2015
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.9124870009
LONGITUDE: -82.062082
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 788
PROBE HEIGHT: 2.31

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: OCTOBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.0 | 2.0 | 4.0 | 7.0 | 2.0 | 3.0 | 2.0 | 4.0 | 1.0 | 1.0 | 1.0 | 5.0 | 6.0 | 6.0 | 4.0 | 8.0 | 7.0 | 6.0 | 6.0 | 5.0 | 5.0 | 8.0 | 3.0 | 2.0 | 24 | 8.0 |
| 2 | 6.0 | 5.0 | 3.0 | 4.0 | 5.0 | 2.0 | 5.0 | 4.0 | 1.0 | -3.0 | 3.0 | 7.0 | 5.0 | 5.0 | 5.0 | .0 | 5.0 | 11.0 | 5.0 | 7.0 | 4.0 | 3.0 | 4.0 | 5.0 | 24 | 11.0 |
| 3 | 7.0 | 3.0 | 5.0 | 5.0 | 4.0 | 2.0 | 5.0 | 3.0 | 3.0 | 1.0 | .0 | 5.0 | 11.0 | 7.0 | 9.0 | 7.0 | 8.0 | 7.0 | 8.0 | 3.0 | 10.0 | 7.0 | 8.0 | 6.0 | 24 | 11.0 |
| 4 | 5.0 | 7.0 | 6.0 | 7.0 | 5.0 | 7.0 | 7.0 | 7.0 | 5.0 | 6.0 | 12.0 | AX | BA | 5.0 | 7.0 | 2.0 | 9.0 | 9.0 | 8.0 | 11.0 | 8.0 | 8.0 | 5.0 | 3.0 | 22 | 12.0 |
| 5 | 7.0 | 6.0 | 6.0 | 6.0 | 7.0 | 9.0 | 7.0 | 9.0 | .0 | 7.0 | 8.0 | 7.0 | 8.0 | 2.0 | 5.0 | 6.0 | 4.0 | 10.0 | 5.0 | 2.0 | 4.0 | 3.0 | 4.0 | 5.0 | 24 | 10.0 |
| 6 | 2.0 | 5.0 | -1.0 | 2.0 | 1.0 | 1.0 | 3.0 | 5.0 | 5.0 | 2.0 | -3.0 | 3.0 | 4.0 | 3.0 | 4.0 | 6.0 | 3.0 | 2.0 | 4.0 | 2.0 | 7.0 | 3.0 | 4.0 | 2.0 | 24 | 7.0 |
| 7 | 5.0 | 5.0 | 8.0 | 6.0 | 2.0 | 4.0 | 4.0 | .0 | -1.0 | 2.0 | -1.0 | 5.0 | -1.0 | 5.0 | 3.0 | -4.0 | 1.0 | 2.0 | 8.0 | 4.0 | 2.0 | 10.0 | 1.0 | .0 | 24 | 10.0 |
| 8 | .0 | -1.0 | 1.0 | 2.0 | -1.0 | 1.0 | 2.0 | -1.0 | 2.0 | -2.0 | -1.0 | 1.0 | -1.0 | 1.0 | -3.0 | .0 | 3.0 | .0 | 2.0 | 2.0 | 9.0 | 4.0 | .0 | 1.0 | 24 | 9.0 |
| 9 | 4.0 | .0 | -1.0 | 3.0 | .0 | -1.0 | 5.0 | 4.0 | -2.0 | -1.0 | .0 | 3.0 | 1.0 | 4.0 | -2.0 | 1.0 | .0 | 4.0 | -2.0 | 3.0 | 2.0 | 4.0 | -1.0 | 3.0 | 24 | 5.0 |
| 10 | 5.0 | 5.0 | 2.0 | 2.0 | 4.0 | 1.0 | -1.0 | 2.0 | 1.0 | 2.0 | 4.0 | 2.0 | -1.0 | 1.0 | 3.0 | 5.0 | .0 | 5.0 | 6.0 | -1.0 | 1.0 | 7.0 | 6.0 | 7.0 | 24 | 7.0 |
| 11 | 2.0 | 4.0 | 2.0 | 5.0 | 2.0 | 6.0 | 5.0 | 5.0 | 4.0 | 3.0 | 2.0 | 7.0 | 1.0 | 1.0 | 4.0 | 4.0 | 2.0 | 6.0 | 3.0 | 7.0 | 6.0 | 13.0 | 7.0 | 5.0 | 24 | 13.0 |
| 12 | 6.0 | 7.0 | 6.0 | 2.0 | 8.0 | 7.0 | 7.0 | 7.0 | 5.0 | -2.0 | .0 | 4.0 | 6.0 | 3.0 | 4.0 | 5.0 | 4.0 | 6.0 | 7.0 | 10.0 | 11.0 | 4.0 | 7.0 | 9.0 | 24 | 11.0 |
| 13 | 9.0 | 9.0 | 6.0 | 7.0 | 4.0 | 4.0 | 3.0 | 1.0 | 2.0 | -5.0 | 10.0 | 6.0 | 13.0 | 9.0 | 10.0 | 10.0 | 8.0 | 12.0 | 8.0 | 9.0 | 7.0 | 7.0 | 8.0 | 9.0 | 24 | 13.0 |
| 14 | 12.0 | 12.0 | 9.0 | 9.0 | 8.0 | 9.0 | 9.0 | 6.0 | 6.0 | 9.0 | 2.0 | 5.0 | 6.0 | 4.0 | 5.0 | 5.0 | 7.0 | 10.0 | 6.0 | 5.0 | 5.0 | 7.0 | 8.0 | 8.0 | 24 | 12.0 |
| 15 | 8.0 | 8.0 | 9.0 | 7.0 | 8.0 | 7.0 | 15.0 | 9.0 | 7.0 | 3.0 | 15.0 | 12.0 | 8.0 | 12.0 | 10.0 | 12.0 | 12.0 | 10.0 | 6.0 | 7.0 | 10.0 | 11.0 | 11.0 | 11.0 | 24 | 15.0 |
| 16 | 11.0 | 9.0 | 10.0 | 13.0 | 11.0 | 13.0 | 11.0 | 9.0 | 7.0 | 6.0 | -4.0 | 9.0 | 3.0 | 11.0 | 5.0 | 2.0 | 4.0 | 12.0 | 6.0 | 9.0 | 12.0 | 6.0 | 5.0 | 7.0 | 24 | 13.0 |
| 17 | 7.0 | 7.0 | 5.0 | 3.0 | 6.0 | 4.0 | 4.0 | 7.0 | 3.0 | -5.0 | 3.0 | 5.0 | 6.0 | 4.0 | 4.0 | 1.0 | 4.0 | 8.0 | 9.0 | 4.0 | 3.0 | 7.0 | 8.0 | 7.0 | 24 | 9.0 |
| 18 | 8.0 | 3.0 | 1.0 | 3.0 | 2.0 | 4.0 | 2.0 | 1.0 | .0 | -5.0 | 4.0 | 4.0 | 4.0 | 4.0 | -1.0 | 7.0 | 3.0 | 14.0 | 14.0 | 10.0 | 11.0 | 5.0 | 4.0 | 7.0 | 24 | 14.0 |
| 19 | 4.0 | 6.0 | 4.0 | 4.0 | 4.0 | -1.0 | 5.0 | 1.0 | 5.0 | -2.0 | 8.0 | 9.0 | 5.0 | 6.0 | 3.0 | 6.0 | 2.0 | 21.0 | 16.0 | 5.0 | 12.0 | 8.0 | 6.0 | 4.0 | 24 | 21.0 |
| 20 | 5.0 | 5.0 | 3.0 | 3.0 | 5.0 | 3.0 | 6.0 | 5.0 | 5.0 | 2.0 | 7.0 | 8.0 | 11.0 | 6.0 | 10.0 | 3.0 | 6.0 | 15.0 | 8.0 | 11.0 | 10.0 | 6.0 | 9.0 | 11.0 | 24 | 15.0 |
| 21 | 9.0 | 9.0 | 10.0 | 6.0 | 9.0 | 10.0 | 15.0 | 2.0 | -4.0 | .0 | 3.0 | -1.0 | -2.0 | 1.0 | 6.0 | -5.0 | 5.0 | 1.0 | .0 | .0 | 3.0 | 2.0 | 2.0 | 3.0 | 24 | 15.0 |
| 22 | 2.0 | 1.0 | 2.0 | -3.0 | 4.0 | 2.0 | 5.0 | 3.0 | -1.0 | 1.0 | .0 | 5.0 | 3.0 | 2.0 | 1.0 | 3.0 | 5.0 | 5.0 | -1.0 | 3.0 | 1.0 | 2.0 | 3.0 | -1.0 | 24 | 5.0 |
| 23 | 4.0 | .0 | 4.0 | 3.0 | 1.0 | 2.0 | 2.0 | 3.0 | 1.0 | 2.0 | 1.0 | 1.0 | 3.0 | 1.0 | 4.0 | 2.0 | 3.0 | 6.0 | 3.0 | .0 | 1.0 | 5.0 | 7.0 | 3.0 | 24 | 7.0 |
| 24 | 3.0 | 7.0 | 4.0 | 1.0 | 5.0 | 4.0 | 5.0 | 4.0 | 2.0 | 3.0 | 6.0 | 7.0 | 6.0 | 8.0 | AX | BA | 3.0 | 10.0 | 4.0 | 5.0 | 7.0 | 5.0 | 3.0 | 8.0 | 22 | 10.0 |
| 25 | 4.0 | 2.0 | 4.0 | 8.0 | 4.0 | 4.0 | 7.0 | 4.0 | 5.0 | .0 | 6.0 | 6.0 | 4.0 | 5.0 | 6.0 | 6.0 | 6.0 | 9.0 | 4.0 | 15.0 | 7.0 | 9.0 | 7.0 | 8.0 | 24 | 15.0 |
| 26 | 9.0 | 6.0 | 5.0 | 7.0 | 3.0 | 8.0 | 7.0 | 12.0 | 12.0 | 1.0 | 6.0 | 8.0 | 5.0 | 9.0 | 9.0 | 8.0 | 8.0 | 11.0 | 7.0 | 6.0 | 7.0 | 10.0 | 9.0 | 10.0 | 24 | 12.0 |
| 27 | 7.0 | 8.0 | 6.0 | 8.0 | 8.0 | 10.0 | 5.0 | 10.0 | 9.0 | 8.0 | 5.0 | 9.0 | 6.0 | 10.0 | 8.0 | 11.0 | 13.0 | 11.0 | 10.0 | 12.0 | 10.0 | 11.0 | 16.0 | 22.0 | 24 | 22.0 |
| 28 | 16.0 | 12.0 | 16.0 | 11.0 | 10.0 | 11.0 | 14.0 | 14.0 | 13.0 | 9.0 | 9.0 | 5.0 | 8.0 | 5.0 | 2.0 | .0 | 2.0 | .0 | 4.0 | 3.0 | 1.0 | 3.0 | 4.0 | 3.0 | 24 | 16.0 |
| 29 | 7.0 | 8.0 | 3.0 | 4.0 | 5.0 | 2.0 | 2.0 | 6.0 | 2.0 | -2.0 | 7.0 | 10.0 | 9.0 | 7.0 | 5.0 | 3.0 | 3.0 | 8.0 | 13.0 | 6.0 | 8.0 | 5.0 | 5.0 | 6.0 | 24 | 13.0 |
| 30 | 5.0 | 7.0 | 9.0 | 11.0 | 6.0 | 9.0 | 9.0 | 11.0 | 8.0 | 7.0 | 3.0 | 13.0 | 10.0 | 5.0 | 15.0 | 8.0 | 9.0 | 11.0 | 4.0 | 12.0 | 10.0 | 5.0 | 5.0 | 8.0 | 24 | 15.0 |
| 31 | 7.0 | 8.0 | 5.0 | 7.0 | 8.0 | 4.0 | 8.0 | 6.0 | 7.0 | 7.0 | 15.0 | 10.0 | 7.0 | 4.0 | 1.0 | 9.0 | 12.0 | 10.0 | 10.0 | 11.0 | 13.0 | 10.0 | 9.0 | 8.0 | 24 | 15.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 31 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 16.0 | 12.0 | 16.0 | 13.0 | 11.0 | 13.0 | 15.0 | 14.0 | 13.0 | 9.0 | 15.0 | 13.0 | 13.0 | 12.0 | 15.0 | 12.0 | 13.0 | 21.0 | 16.0 | 15.0 | 13.0 | 13.0 | 16.0 | 22.0 | | |
| AVG: | 6.13 | 5.65 | 5.03 | 5.26 | 4.84 | 4.87 | 5.97 | 5.26 | 3.65 | 1.77 | 4.23 | 6.00 | 5.13 | 5.03 | 4.87 | 4.37 | 5.19 | 8.13 | 6.16 | 6.06 | 6.68 | 6.39 | 5.71 | 6.13 | | |

MONTHLY OBSERVATIONS: 740 MONTHLY MEAN: 5.36 MONTHLY MAX: 22.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-121-0004 POC: 3
COUNTY: (121) Mitchell
CITY: (64260) Spruce Pine
SITE ADDRESS: 272 Hospital Dr
SITE COMMENTS: Monitor moved 10 meters on 3/31/2015
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.9124870009
LONGITUDE: -82.062082
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 788
PROBE HEIGHT: 2.31

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: NOVEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.0 | 8.0 | 14.0 | 13.0 | 16.0 | 15.0 | 18.0 | 14.0 | 11.0 | 12.0 | 7.0 | 13.0 | 17.0 | 14.0 | 17.0 | 12.0 | 17.0 | 17.0 | 11.0 | 19.0 | 15.0 | 16.0 | 15.0 | 14.0 | 24 | 19.0 |
| 2 | 12.0 | 12.0 | 14.0 | 15.0 | 16.0 | 15.0 | 11.0 | 14.0 | 14.0 | 14.0 | 6.0 | 10.0 | 12.0 | 10.0 | 12.0 | 15.0 | 10.0 | 15.0 | 13.0 | 13.0 | 15.0 | 20.0 | 15.0 | 15.0 | 24 | 20.0 |
| 3 | 15.0 | 16.0 | 11.0 | 11.0 | 7.0 | 7.0 | 10.0 | 8.0 | 10.0 | 10.0 | 7.0 | 11.0 | 10.0 | 10.0 | 14.0 | 6.0 | 10.0 | 8.0 | 10.0 | 11.0 | 9.0 | 6.0 | 16.0 | 14.0 | 24 | 16.0 |
| 4 | 13.0 | 8.0 | 10.0 | 9.0 | 4.0 | 3.0 | 4.0 | 5.0 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 | 3.0 | 1.0 | 4.0 | 4.0 | 4.0 | 3.0 | 4.0 | .0 | 1.0 | 5.0 | 6.0 | 24 | 13.0 |
| 5 | 5.0 | .0 | 4.0 | 2.0 | 1.0 | 4.0 | 5.0 | 1.0 | -1.0 | -3.0 | 1.0 | 6.0 | 4.0 | -1.0 | 4.0 | 4.0 | 2.0 | 8.0 | 4.0 | 5.0 | 2.0 | 5.0 | 3.0 | 8.0 | 24 | 8.0 |
| 6 | 3.0 | 9.0 | 6.0 | 2.0 | 5.0 | 4.0 | 1.0 | 2.0 | -2.0 | -2.0 | -1.0 | 7.0 | .0 | 3.0 | 7.0 | 1.0 | .0 | 8.0 | 3.0 | 3.0 | 4.0 | 3.0 | 7.0 | 5.0 | 24 | 9.0 |
| 7 | 4.0 | 12.0 | 9.0 | 7.0 | 6.0 | 4.0 | 7.0 | 2.0 | 2.0 | -3.0 | -1.0 | 5.0 | 1.0 | 2.0 | 6.0 | 3.0 | 3.0 | 7.0 | 7.0 | 19.0 | 14.0 | 6.0 | 10.0 | 13.0 | 24 | 19.0 |
| 8 | 16.0IT | 14.0IT | 11.0IT | 11.0IT | 6.0IT | 10.0IT | 7.0IT | 12.0IT | 8.0IT | 4.0IT | 6.0IT | 13.0IT | 25.0IT | 35.0IT | 41.0IT | 33.0IT | 41.0IT | 47.0IT | 49.0IT | 57.0IT | 67.0IT | 75.0IT | 68.0IT | 73.0IT | 24 | 75.0 |
| 9 | 71.0IT | 75.0IT | 75.0IT | 74.0IT | 67.0IT | 47.0IT | 30.0IT | 25.0IT | 14.0IT | 11.0IT | 10.0IT | 7.0IT | 8.0IT | AX | BA | 8.0IT | 2.0IT | 1.0IT | 6.0IT | 4.0IT | 2.0IT | 4.0IT | 5.0IT | 2.0IT | 22 | 75.0 |
| 10 | 1.0 | 3.0 | 4.0 | 2.0 | 4.0 | 3.0 | 3.0 | 2.0 | 4.0 | 4.0 | 5.0 | 3.0 | 2.0 | -2.0 | .0 | 3.0 | .0 | 6.0 | -2.0 | 1.0 | 4.0 | 1.0 | -2.0 | .0 | 24 | 6.0 |
| 11 | 3.0 | 14.0 | 11.0 | 12.0 | 8.0 | 6.0 | 6.0 | 9.0 | 8.0 | 5.0 | 4.0 | 5.0 | 3.0 | .0 | 3.0 | 1.0 | 9.0 | 9.0 | 10.0 | 8.0 | 16.0 | 22.0 | 11.0 | 19.0 | 24 | 22.0 |
| 12 | 6.0 | 10.0 | 11.0 | 8.0 | 11.0 | 10.0 | 7.0 | 8.0 | 8.0 | -2.0 | 11.0 | .0 | 2.0 | 1.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 5.0 | 8.0 | 7.0 | 4.0 | 7.0 | 24 | 11.0 |
| 13 | 15.0IT | 8.0IT | 11.0IT | 13.0IT | 8.0IT | 10.0IT | 5.0IT | 2.0IT | 4.0IT | 4.0IT | 3.0IT | 8.0IT | 11.0IT | 22.0IT | 12.0IT | 43.0IT | 185.0IT | 161.0IT | 101.0IT | 117.0IT | 135.0IT | 124.0IT | 114.0IT | 118.0IT | 24 | 185.0 |
| 14 | 118.0IT | 119.0IT | 111.0IT | 107.0IT | 102.0IT | 80.0IT | 84.0IT | 76.0IT | 59.0IT | 50.0IT | 39.0IT | 44.0IT | 40.0IT | 35.0IT | 36.0IT | 38.0IT | 38.0IT | 42.0IT | 41.0IT | 44.0IT | 42.0IT | 46.0IT | 46.0IT | 63.0IT | 24 | 119.0 |
| 15 | 51.0IT | 45.0IT | 45.0IT | 44.0IT | 41.0IT | 40.0IT | 40.0IT | 50.0IT | 53.0IT | 45.0IT | 48.0IT | 35.0IT | 28.0IT | 25.0IT | 26.0IT | BA | 18.0IT | 15.0IT | 18.0IT | 17.0IT | 23.0IT | 24.0IT | 25.0IT | 23.0IT | 23 | 53.0 |
| 16 | 26.0IT | 25.0IT | 26.0IT | 29.0IT | 22.0IT | 23.0IT | 25.0IT | 26.0IT | 18.0IT | 16.0IT | 16.0IT | 10.0IT | 4.0IT | 7.0IT | 6.0IT | 7.0IT | 5.0IT | 9.0IT | 5.0IT | 12.0IT | 17.0IT | 11.0IT | 12.0IT | 11.0IT | 24 | 29.0 |
| 17 | 12.0 | 7.0 | 9.0 | 7.0 | 9.0 | 9.0 | 10.0 | 15.0 | 19.0 | 3.0 | 7.0 | 7.0 | 7.0 | 5.0 | 2.0 | 5.0 | 4.0 | 4.0 | 10.0 | 9.0 | 14.0 | 26.0 | 39.0 | 39.0 | 24 | 39.0 |
| 18 | 37.0IT | 37.0IT | 29.0IT | 27.0IT | 27.0IT | 21.0IT | 18.0IT | 17.0IT | 13.0IT | 4.0IT | 4.0IT | 7.0IT | 13.0IT | 14.0IT | 6.0IT | 12.0IT | 9.0IT | 33.0IT | 40.0IT | 61.0IT | 76.0IT | 74.0IT | 71.0IT | 61.0IT | 24 | 76.0 |
| 19 | 63.0IT | 61.0IT | 57.0IT | 61.0IT | 57.0IT | 58.0IT | 55.0IT | 63.0IT | 57.0IT | 53.0IT | 22.0IT | -1.0IT | 3.0IT | -1.0IT | -1.0IT | .0IT | -2.0IT | 3.0IT | .0IT | 4.0IT | 3.0IT | 3.0IT | 5.0IT | 4.0IT | 24 | 63.0 |
| 20 | 4.0 | 6.0 | 3.0 | 3.0 | 2.0 | 1.0 | 5.0 | 2.0 | 1.0 | .0 | 4.0 | 1.0 | 3.0 | 1.0 | 4.0 | 5.0 | 3.0 | 6.0 | 1.0 | 4.0 | 5.0 | 1.0 | 6.0 | 5.0 | 24 | 6.0 |
| 21 | 3.0 | 5.0 | 5.0 | 6.0 | 6.0 | 5.0 | 8.0 | 5.0 | 1.0 | -1.0 | 4.0 | 4.0 | 5.0 | 5.0 | 3.0 | 6.0 | 6.0 | 6.0 | 7.0 | 4.0 | 7.0 | 8.0 | 10.0 | 10.0 | 24 | 10.0 |
| 22 | 10.0IT | 10.0IT | 9.0IT | 8.0IT | 4.0IT | 7.0IT | 6.0IT | 7.0IT | 4.0IT | 2.0IT | AX | BA | 12.0IT | -1.0IT | 3.0IT | 117.0IT | 217.0IT | 221.0IT | 152.0IT | 161.0IT | 149.0IT | 143.0IT | 141.0IT | 135.0IT | 22 | 221.0 |
| 23 | 123.0IT | 118.0IT | 115.0IT | 107.0IT | 106.0IT | 107.0IT | AJ | AJ | AJ | AJ | AJ | AJ | AJ | BA | 14.0IT | 58.0IT | 38.0IT | 20.0IT | 10.0IT | 12.0IT | 8.0IT | 9.0IT | 11.0IT | 11.0IT | 16 | 123.0 |
| 24 | 24.0IT | 27.0IT | 21.0IT | 24.0IT | 35.0IT | 36.0IT | 37.0IT | 39.0IT | 36.0IT | 38.0IT | 46.0IT | 31.0IT | 22.0IT | 15.0IT | 8.0IT | 8.0IT | 7.0IT | 7.0IT | 7.0IT | 6.0IT | 4.0IT | 9.0IT | 7.0IT | 6.0IT | 24 | 46.0 |
| 25 | 7.0 | 8.0 | 10.0 | 9.0 | 4.0 | 9.0 | 7.0 | 6.0 | 4.0 | 4.0 | 4.0 | 5.0 | 6.0 | 8.0 | 9.0 | 8.0 | 9.0 | 11.0 | 8.0 | 8.0 | 11.0 | 8.0 | 5.0 | 6.0 | 24 | 11.0 |
| 26 | 10.0 | 2.0 | 10.0 | 7.0 | 10.0 | 5.0 | 13.0 | 11.0 | 10.0 | 8.0 | 8.0 | 10.0 | 12.0 | 7.0 | 2.0 | 8.0 | 7.0 | 9.0 | 6.0 | 8.0 | 12.0 | 10.0 | 11.0 | 7.0 | 24 | 13.0 |
| 27 | 9.0IT | 13.0IT | 10.0IT | 12.0IT | 10.0IT | 9.0IT | 10.0IT | 5.0IT | 7.0IT | 3.0IT | 6.0IT | 13.0IT | 23.0IT | 26.0IT | 29.0IT | 41.0IT | 28.0IT | 13.0IT | 16.0IT | 16.0IT | 19.0IT | 21.0IT | 17.0IT | 17.0IT | 24 | 41.0 |
| 28 | 17.0IT | 19.0IT | 21.0IT | 19.0IT | 19.0IT | 19.0IT | 19.0IT | 16.0IT | 15.0IT | 14.0IT | 14.0IT | 13.0IT | 8.0IT | 11.0IT | 8.0IT | 9.0IT | 13.0IT | 10.0IT | 12.0IT | 9.0IT | 9.0IT | 14.0IT | 14.0IT | 11.0IT | 24 | 21.0 |
| 29 | 9.0 | 6.0 | -1.0 | 2.0 | 2.0 | 2.0 | -1.0 | 4.0 | 4.0 | 4.0 | 6.0 | .0 | 1.0 | 2.0 | 5.0 | 4.0 | 7.0 | 4.0 | 5.0 | 5.0 | 5.0 | 16.0 | 10.0 | 12.0 | 24 | 16.0 |
| 30 | 4.0 | 6.0 | 6.0 | -1.0 | 2.0 | 5.0 | 7.0 | 10.0 | 8.0 | 8.0 | 6.0 | 6.0 | 10.0 | 8.0 | 9.0 | 2.0 | 5.0 | 4.0 | 1.0 | 2.0 | 4.0 | 7.0 | 3.0 | 1.0 | 24 | 10.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 28 | 28 | 29 | 28 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 123.0 | 119.0 | 115.0 | 107.0 | 106.0 | 107.0 | 84.0 | 76.0 | 59.0 | 53.0 | 48.0 | 44.0 | 40.0 | 35.0 | 41.0 | 117.0 | 217.0 | 221.0 | 152.0 | 161.0 | 149.0 | 143.0 | 141.0 | 135.0 | | |
| AVG: | 23.33 | 23.43 | 22.57 | 21.67 | 20.57 | 19.13 | 15.76 | 15.72 | 13.55 | 10.59 | 10.46 | 9.82 | 10.10 | 9.43 | 10.00 | 16.03 | 23.27 | 23.70 | 18.57 | 21.60 | 23.30 | 24.00 | 23.47 | 23.87 | | |

MONTHLY OBSERVATIONS: 707 MONTHLY MEAN: 18.20 MONTHLY MAX: 221.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-121-0004 POC: 3
COUNTY: (121) Mitchell
CITY: (64260) Spruce Pine
SITE ADDRESS: 272 Hospital Dr
SITE COMMENTS: Monitor moved 10 meters on 3/31/2015
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (165) EASTERN MOUNTAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.9124870009
LONGITUDE: -82.062082
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 788
PROBE HEIGHT: 2.31

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (209) Met One BAM-1022 Mass Monitor w/ V
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: DECEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.0 | 5.0 | 3.0 | 3.0 | 6.0 | 6.0 | 4.0 | 4.0 | 5.0 | .0 | 6.0 | -4.0 | 3.0 | .0 | 3.0 | 3.0 | 5.0 | 5.0 | -1.0 | .0 | 4.0 | 4.0 | 3.0 | 4.0 | 24 | 6.0 |
| 2 | 4.0 | 4.0 | .0 | 4.0 | 3.0 | 1.0 | 6.0 | 3.0 | 3.0 | -2.0 | 4.0 | 4.0 | .0 | .0 | 4.0 | -1.0 | 3.0 | 2.0 | -2.0 | 3.0 | 4.0 | 3.0 | 2.0 | 3.0 | 24 | 6.0 |
| 3 | .0 | 3.0 | 6.0 | 5.0 | 5.0 | 8.0 | 4.0 | 6.0 | 5.0 | 6.0 | 6.0 | 6.0 | 6.0 | 4.0 | 6.0 | .0 | 2.0 | 3.0 | 2.0 | 3.0 | 7.0 | 8.0 | 2.0 | 7.0 | 24 | 8.0 |
| 4 | 5.0 | 6.0 | 9.0 | 9.0 | 14.0 | 10.0 | 12.0 | 10.0 | 3.0 | 4.0 | 4.0 | -3.0 | 4.0 | 2.0 | 1.0 | -2.0 | 3.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 2.0 | 1.0 | 24 | 14.0 |
| 5 | .0 | 1.0 | 3.0 | .0 | -1.0 | -1.0 | -4.0 | -5.0 | -2.0 | 1.0 | .0 | -2.0 | -4.0 | -1.0 | 3.0 | .0 | .0 | 6.0 | 4.0 | 2.0 | 9.0 | 11.0 | 5.0 | 4.0 | 24 | 11.0 |
| 6 | 5.0 | -3.0 | -1.0 | 4.0 | .0 | 3.0 | -1.0 | 2.0 | .0 | .0 | -2.0 | .0 | .0 | 1.0 | -1.0 | 1.0 | 3.0 | 8.0 | 3.0 | 6.0 | 1.0 | .0 | -1.0 | -3.0 | 24 | 8.0 |
| 7 | -4.0 | .0 | -1.0 | -1.0 | .0 | .0 | 3.0 | 3.0 | 4.0 | -1.0 | 6.0 | 1.0 | .0 | AZ | BA | -5.0 | 5.0 | 6.0 | 3.0 | 3.0 | 3.0 | 9.0 | 15.0 | 11.0 | 22 | 15.0 |
| 8 | 12.0 | 4.0 | 4.0 | 4.0 | 6.0 | 3.0 | 5.0 | 6.0 | 9.0 | 2.0 | 2.0 | 4.0 | 2.0 | -1.0 | -1.0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 2.0 | 5.0 | 3.0 | 24 | 12.0 |
| 9 | 3.0 | 4.0 | .0 | 3.0 | 8.0 | 3.0 | 5.0 | 1.0 | 4.0 | -3.0 | 4.0 | 5.0 | 2.0 | 2.0 | 2.0 | 4.0 | 7.0 | 4.0 | 2.0 | 3.0 | 4.0 | 3.0 | 8.0 | 7.0 | 24 | 8.0 |
| 10 | 5.0 | 6.0 | 4.0 | 3.0 | 1.0 | 6.0 | 4.0 | 5.0 | 2.0 | -4.0 | 7.0 | 2.0 | 3.0 | 2.0 | 4.0 | 5.0 | 4.0 | 1.0 | 1.0 | 4.0 | 10.0 | 8.0 | 12.0 | 7.0 | 24 | 12.0 |
| 11 | 13.0 | 12.0 | 10.0 | 15.0 | 11.0 | 9.0 | 12.0 | 8.0 | 8.0 | .0 | 13.0 | 11.0 | 7.0 | 8.0 | 9.0 | 12.0 | 7.0 | 9.0 | 11.0 | 6.0 | 10.0 | 12.0 | 8.0 | 8.0 | 24 | 15.0 |
| 12 | 7.0 | 9.0 | 5.0 | 8.0 | 6.0 | 4.0 | 4.0 | 5.0 | 7.0 | 4.0 | 4.0 | 5.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | -1.0 | 3.0 | 3.0 | 3.0 | .0 | 2.0 | 6.0 | 24 | 9.0 |
| 13 | 8.0 | 4.0 | 5.0 | 6.0 | 5.0 | 7.0 | 2.0 | 7.0 | 3.0 | 8.0 | -2.0 | 6.0 | 3.0 | 2.0 | .0 | 2.0 | 5.0 | 8.0 | 3.0 | 12.0 | 6.0 | 8.0 | 4.0 | 6.0 | 24 | 12.0 |
| 14 | 3.0 | 1.0 | -1.0 | -2.0 | 1.0 | 1.0 | 1.0 | .0 | 5.0 | 2.0 | 4.0 | 5.0 | 5.0 | 2.0 | 1.0 | 3.0 | 3.0 | 2.0 | 1.0 | 4.0 | 16.0 | 15.0 | 18.0 | 12.0 | 24 | 18.0 |
| 15 | 6.0 | 3.0 | 4.0 | 4.0 | 7.0 | 6.0 | 5.0 | 8.0 | 7.0 | 5.0 | 1.0 | -2.0 | 3.0 | 5.0 | 3.0 | 4.0 | .0 | 1.0 | 2.0 | .0 | 1.0 | .0 | -2.0 | 1.0 | 24 | 8.0 |
| 16 | 4.0 | 1.0 | -2.0 | 2.0 | 4.0 | 9.0 | 1.0 | 7.0 | 3.0 | 2.0 | 3.0 | 3.0 | 3.0 | 2.0 | -1.0 | 5.0 | 6.0 | 4.0 | 3.0 | 4.0 | 8.0 | 6.0 | 5.0 | 9.0 | 24 | 9.0 |
| 17 | 7.0 | 7.0 | 8.0 | 7.0 | 4.0 | 4.0 | 11.0 | 7.0 | 3.0 | 3.0 | 1.0 | 2.0 | 11.0 | 2.0 | 3.0 | 5.0 | 6.0 | 2.0 | 6.0 | 8.0 | 4.0 | 9.0 | 7.0 | 4.0 | 24 | 11.0 |
| 18 | 11.0 | 9.0 | 5.0 | 6.0 | 1.0 | 7.0 | 5.0 | 4.0 | 6.0 | 6.0 | .0 | -2.0 | 1.0 | -2.0 | -1.0 | 3.0 | 1.0 | 2.0 | .0 | -4.0 | .0 | -2.0 | -3.0 | 2.0 | 24 | 11.0 |
| 19 | -2.0 | -2.0 | -1.0 | .0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 2.0 | .0 | 5.0 | 4.0 | 2.0 | 5.0 | 5.0 | 3.0 | 7.0 | 6.0 | 6.0 | 7.0 | 5.0 | 2.0 | 10.0 | 24 | 10.0 |
| 20 | 6.0 | 9.0 | 7.0 | 11.0 | 8.0 | 5.0 | 6.0 | 8.0 | 6.0 | 5.0 | 4.0 | .0 | 9.0 | 6.0 | 7.0 | 2.0 | 7.0 | 5.0 | 3.0 | 2.0 | 3.0 | 3.0 | 2.0 | 3.0 | 24 | 11.0 |
| 21 | 2.0 | 2.0 | 2.0 | 2.0 | -2.0 | 2.0 | 2.0 | 3.0 | 3.0 | -2.0 | 5.0 | 1.0 | 5.0 | 6.0 | 3.0 | 9.0 | 7.0 | 6.0 | .0 | 1.0 | 4.0 | 5.0 | 8.0 | 10.0 | 24 | 10.0 |
| 22 | 14.0 | 12.0 | 15.0 | 11.0 | 18.0 | 18.0 | 5.0 | 3.0 | 3.0 | 3.0 | 5.0 | 7.0 | 7.0 | 5.0 | 6.0 | 6.0 | 9.0 | 6.0 | 7.0 | 9.0 | 5.0 | 6.0 | 6.0 | 5.0 | 24 | 18.0 |
| 23 | 4.0 | 5.0 | 4.0 | 9.0 | 9.0 | 10.0 | 13.0 | 8.0 | 7.0 | 9.0 | 4.0 | 2.0 | 4.0 | 4.0 | 6.0 | 11.0 | 17.0 | 29.0 | 9.0 | 6.0 | 7.0 | 9.0 | 7.0 | 10.0 | 24 | 29.0 |
| 24 | 13.0 | 13.0 | 11.0 | 12.0 | 10.0 | 10.0 | 9.0 | 11.0 | 9.0 | 12.0 | 15.0 | 11.0 | 7.0 | 11.0 | 4.0 | 2.0 | .0 | .0 | .0 | 1.0 | .0 | -1.0 | 2.0 | -1.0 | 24 | 15.0 |
| 25 | -1.0 | 2.0 | 2.0 | 3.0 | 3.0 | -1.0 | 2.0 | -2.0 | -3.0 | 2.0 | 3.0 | 3.0 | 7.0 | 6.0 | 7.0 | 11.0 | 11.0 | 9.0 | 5.0 | 7.0 | 6.0 | 6.0 | 6.0 | 5.0 | 24 | 11.0 |
| 26 | 11.0 | 9.0 | 7.0 | 1.0 | 5.0 | 2.0 | 4.0 | 4.0 | 6.0 | 4.0 | 4.0 | 2.0 | 9.0 | 3.0 | 7.0 | 5.0 | 6.0 | 8.0 | 8.0 | 6.0 | 5.0 | 4.0 | 7.0 | .0 | 24 | 11.0 |
| 27 | 3.0 | 4.0 | 2.0 | 2.0 | 4.0 | 2.0 | 1.0 | 2.0 | 4.0 | .0 | 1.0 | 3.0 | 5.0 | 1.0 | .0 | 3.0 | .0 | 4.0 | .0 | 2.0 | 2.0 | 4.0 | .0 | 1.0 | 24 | 5.0 |
| 28 | 5.0 | 1.0 | 1.0 | 2.0 | 1.0 | .0 | 6.0 | -1.0 | 3.0 | -3.0 | .0 | AX | AX | 1.0 | 3.0 | 5.0 | 1.0 | 3.0 | 4.0 | 2.0 | 5.0 | 7.0 | 6.0 | 6.0 | 22 | 7.0 |
| 29 | 8.0 | 5.0 | 14.0 | 4.0 | 5.0 | 6.0 | 3.0 | 5.0 | 4.0 | .0 | 4.0 | 3.0 | 4.0 | .0 | -2.0 | 1.0 | -1.0 | 2.0 | .0 | 1.0 | .0 | AV | AV | 4.0 | 22 | 14.0 |
| 30 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | 3.0 | 2.0 | 3.0 | -1.0 | 1.0 | 2.0 | 1.0 | 4.0 | 3.0 | 1.0 | 2.0 | 6.0 | .0 | .0 | 4.0 | 5.0 | 1.0 | 3.0 | 24 | 6.0 |
| 31 | 6.0 | 8.0 | 4.0 | 12.0 | 14.0 | 12.0 | 9.0 | 10.0 | 4.0 | 9.0 | 4.0 | 5.0 | 4.0 | 4.0 | 3.0 | 4.0 | 2.0 | 5.0 | 3.0 | 4.0 | 10.0 | 3.0 | 7.0 | 5.0 | 24 | 14.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 31 | | |
| MAX: | 14.0 | 13.0 | 15.0 | 15.0 | 18.0 | 18.0 | 13.0 | 11.0 | 9.0 | 12.0 | 15.0 | 11.0 | 11.0 | 11.0 | 9.0 | 12.0 | 17.0 | 29.0 | 11.0 | 12.0 | 16.0 | 15.0 | 18.0 | 12.0 | | |
| AVG: | 5.39 | 4.71 | 4.23 | 4.84 | 5.10 | 4.94 | 4.65 | 4.42 | 4.10 | 2.35 | 3.58 | 2.83 | 3.87 | 2.73 | 2.93 | 3.42 | 4.06 | 4.97 | 2.84 | 3.39 | 4.81 | 5.07 | 4.87 | 4.94 | | |

MONTHLY OBSERVATIONS: 738 MONTHLY MEAN: 4.13 MONTHLY MAX: 29.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-123-0001 POC: 3
COUNTY: (123) Montgomery
CITY: (10120) Candor
SITE ADDRESS: 126 PERRY DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: FOREST
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.2632
LONGITUDE: -79.836613
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 173
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JANUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.8 | 8.4 | 4.7 | 3.5 | 4.7 | 4.5 | 5.2 | 7.2 | 4.7 | 4.2 | 2.6 | .6 | .3 | -.5 | .4 | 3.5 | 4.0 | 3.5 | 3.2 | 4.7 | 3.7 | 4.0 | 5.9 | 7.7 | 24 | 8.4 |
| 2 | 5.7 | 6.7 | 5.7 | 5.9 | 6.5 | 6.7 | 4.5 | 5.9 | 4.2 | 5.2 | 4.7 | 4.7 | 2.8 | 1.1 | 1.5 | 4.7 | 3.3 | 4.0 | 2.8 | 4.5 | 5.4 | 7.4 | 6.2 | 7.6 | 24 | 7.6 |
| 3 | 6.7 | 8.8 | 7.9 | 6.7 | 5.4 | 5.7 | 9.5 | 14.7 | 13.5 | 13.0 | 9.8 | 8.8 | 5.7 | 3.5 | 10.3 | 6.7 | 6.2 | 5.2 | 5.7 | 6.7 | 7.9 | 7.6 | 3.7 | 4.7 | 24 | 14.7 |
| 4 | 5.2 | 5.7 | 6.2 | 5.5 | 8.6 | 6.5 | 7.9 | 8.1 | 5.4 | 6.5 | 5.4 | 6.5 | 4.9 | 1.1 | .0 | 1.8 | 3.2 | 1.8 | .6 | 1.3 | 3.7 | 3.5 | 1.8 | 1.3 | 24 | 8.6 |
| 5 | 2.5 | 3.3 | 3.0 | 8.8 | 5.4 | 5.2 | 3.5 | 9.3 | 6.7 | 4.0 | 3.5 | 3.5 | 2.3 | 1.8 | 3.5 | 3.3 | 4.0 | 2.8 | 4.9 | 4.0 | 4.7 | 5.2 | 3.7 | 2.8 | 24 | 9.3 |
| 6 | 4.7 | 4.7 | 5.4 6 | 6.2 6 | 5.2 6 | 3.9 6 | 2.7 6 | 8.1 6 | 7.9 6 | 6.2 | 15.4 | 3.3 | 4.7 | 3.7 | 1.3 | .3 | 2.3 | 4.7 | 7.6 | 7.4 | 4.7 | 5.2 | 8.6 | 8.3 | 24 | 15.4 |
| 7 | 10.8 | 11.5 | 9.3 | 16.9 | 15.7 | 15.9 | 15.7 | 14.0 | 12.5 | 9.3 | 6.2 | 6.5 | 8.1 | 8.4 | 7.6 | 7.9 | 7.0 | 6.7 | 8.3 | 14.7 | 9.8 | 7.7 | 10.5 | 10.0 | 24 | 16.9 |
| 8 | 6.5 | 6.9 | 8.1 | 8.6 | 10.8 | 10.0 | 11.3 | 10.5 | 8.8 | 11.0 | 7.7 | 6.2 | 7.6 | 5.5 | 7.0 | 5.7 | 5.5 | 5.7 | 3.5 | 3.0 | 5.0 | 4.7 | 3.5 | 4.5 | 24 | 11.3 |
| 9 | 3.7 | 6.7 | 5.0 | 2.8 | 4.0 | 4.7 | 2.8 | .4 | 1.6 | 2.5 | 3.5 | .9 | -2.0 | .9 | 2.1 | 1.1 | 2.8 | 2.8 | 3.8 | 2.8 | 1.1 | 2.1 | 1.8 | -.8 | 24 | 6.7 |
| 10 | .1 | .8 | 1.1 | -.5 | .0 | 1.6 | 1.8 | 2.3 | .3 | .4 | 1.3 | 2.3 | 3.5 | 1.8 | 1.6 | 2.3 | .0 | -.7 | 1.6 | 2.1 | 1.3 | .6 | 1.3 | 7.5 | 24 | 7.5 |
| 11 | 6.0 | 3.5 | 3.7 | 4.5 | 3.5 | 2.8 | 3.5 | 3.8 | 5.0 | 6.7 | 3.5 | 1.1 | .8 | .6 | 1.3 | 1.3 | 1.3 | 3.5 | 2.3 | -.3 | 4.7 | 3.5 | 2.8 | 3.0 | 24 | 6.7 |
| 12 | 4.0 | 4.0 | 6.2 | 4.7 | 4.0 | 4.2 | 3.3 | 4.5 | 6.0 | 3.3 | 3.0 | AX | -1.8 | 1.8 | 4.5 | 4.0 | 1.8 | .3 | 2.3 | 7.2 | 3.7 | 2.0 | 2.5 | 2.8 | 23 | 7.2 |
| 13 | 5.9 | 4.0 | 5.2 | 8.8 | 6.2 | 10.8 | 6.2 | 4.4 | 3.5 | 1.8 | 1.8 | 2.5 | 1.1 | 1.5 | 5.0 | 3.5 | 3.0 | 3.2 | 2.3 | 1.5 | 1.8 | 6.4 | 7.6 | 8.1 | 24 | 10.8 |
| 14 | 6.9 | 8.3 | 7.4 | 5.7 | 8.1 | 5.2 | 6.4 | 5.7 | 7.4 | 5.5 | 6.2 | 5.2 | 4.9 | 2.5 | 1.3 | .4 | 4.7 | 8.8 | 6.7 | 4.5 | 4.7 | 5.9 | 7.7 | 9.8 | 24 | 9.8 |
| 15 | 7.2 | 10.3 | 10.3 | 8.1 | 8.3 | 8.6 | 8.3 | 9.0 | 10.5 | 8.1 | 9.3 | 6.9 | 4.7 | 7.4 | 6.2 | 3.5 | 2.3 | 3.0 | 1.1 | .1 | 4.0 | 6.5 | 5.4 | 6.9 | 24 | 10.5 |
| 16 | 5.0 | 8.6 | 8.3 | 8.6 | 6.7 | 4.2 | 2.5 | 3.3 | 6.2 | 5.5 | 6.5 | 6.4 | 6.9 | 7.6 | 6.5 | 5.7 | 5.7 | 6.0 | 5.2 | 8.1 | 14.5 | 7.6 | 6.2 | 5.5 | 24 | 14.5 |
| 17 | 9.3 | 5.7 | 6.2 | 3.5 | .0 | 4.2 | 2.3 | 2.1 | 3.7 | 3.0 | 3.7 | 2.0 | 3.0 | 6.9 | 3.7 | 3.0 | 4.0 | 4.7 | 3.0 | 4.0 | 3.7 | 3.2 | 6.4 | 4.2 | 24 | 9.3 |
| 18 | 3.5 | 6.7 | 8.1 | 9.5 | 5.7 | 7.7 | 9.1 | 10.5 | 7.2 | 6.9 | 3.3 | .4 | 1.6 | 1.3 | .8 | 5.9 | 4.7 | 1.8 | .6 | 1.6 | 9.0 | 7.4 | 5.9 | 7.6 | 24 | 10.5 |
| 19 | 6.2 | 4.9 | 4.9 6 | 6.9 6 | 5.4 6 | 6.4 6 | 6.4 6 | 6.6 6 | 4.6 6 | 2.5 6 | 3.5 | 4.5 | 4.5 | 3.7 | 5.0 | 5.5 | 4.2 | 4.2 | 6.2 | 6.7 | 6.2 | 4.2 | 4.9 | 8.5 | 24 | 8.5 |
| 20 | 8.1 | 12.0 6 | 10.0 6 | 6.9 6 | 8.1 | 8.6 | 7.6 | 11.5 | 12.5 | 11.8 | 13.0 | 8.6 | 5.5 | 4.5 | 7.2 | 7.2 | 3.5 | 7.2 | 6.2 | 6.5 | 8.6 | 9.0 | 8.3 | 11.3 | 24 | 13.0 |
| 21 | 14.0 | 11.3 | 7.7 | 9.0 | 12.7 | 14.7 | 15.2 | 14.5 | 17.3 | 16.6 | BJ | BJ | BJ | 7.3 | 4.0 | 4.7 | 6.2 | 4.7 | 6.2 | 6.7 | 5.4 | 4.9 | 7.6 | 8.3 | 21 | 17.3 |
| 22 | 12.7 | 9.5 | 11.2 | 8.1 | 3.7 | 3.0 | 11.0 | 12.0 | 11.7 | 8.3 | 14.0 | 9.8 | 9.3 | 12.3 | 9.0 | 7.2 | 5.2 | 4.0 | 3.0 | 3.5 | 7.6 | 7.6 | 7.8 | 5.9 | 24 | 14.0 |
| 23 | 5.9 | 5.4 | 8.1 | 8.3 | 8.8 | 6.9 | 7.8 | 5.2 | 8.1 | 7.2 | 5.7 | 8.3 | 2.0 | 4.0 | 4.7 | 4.9 | 4.9 | 7.6 | 5.4 | 5.2 | 3.2 | 4.2 | 5.2 | 3.2 | 24 | 8.8 |
| 24 | 3.0 | 4.2 | 4.5 | 5.9 | 6.5 | 8.6 | 7.4 | 9.6 | 6.2 | 3.7 | 6.2 | 4.9 | 4.2 | 3.5 | 5.7 | 4.2 | 3.5 | 7.2 | 6.5 | 4.0 | 5.9 | 4.2 | 4.9 | 3.7 | 24 | 9.6 |
| 25 | 5.2 | 7.1 | 5.9 | 5.4 | 4.9 | 6.2 | 7.6 | 10.5 | 9.8 | 10.0 | 9.5 | 8.8 | 5.2 | 3.5 | 7.1 | 4.0 | .6 | 3.5 | 5.7 | 6.5 | 3.7 | 4.5 | 4.7 | 6.5 | 24 | 10.5 |
| 26 | 6.2 | 7.6 | 8.6 | 12.3 | 13.2 | 12.5 | 10.5 | 14.9 | 8.8 | 7.6 | 7.9 | AX | 8.6 | 7.8 | 6.0 | 3.0 | 5.2 | 10.3 | 11.3 | 11.5 | 11.5 | 7.6 | 11.5 | 10.0 | 23 | 14.9 |
| 27 | 7.6 | 11.0 | 11.5 | 13.5 | 13.2 | 11.3 | 14.7 | 13.5 | 13.7 | 10.5 | 7.6 | 5.5 | 5.0 | 2.8 | .1 | 1.8 | 3.2 | 3.5 | 3.5 | 3.5 | 9.8 | 9.1 | 6.4 | 5.5 | 24 | 14.7 |
| 28 | 6.9 | 12.3 | 7.8 | 10.3 | 9.3 | 11.0 | 12.5 | 11.5 | 10.5 | 10.8 | 11.3 | 11.8 | 8.1 | 9.3 | 7.3 | 8.8 | 10.5 | 11.3 | 8.3 | 7.8 | 7.2 | 6.7 | 7.2 | 9.0 | 24 | 12.5 |
| 29 | 11.3 | 12.0 | 14.7 | 17.6 | 21.2 | 14.2 | 10.7 | 8.1 | 10.3 | 9.5 | 8.4 | 6.9 | 3.7 | 6.7 | 6.2 | 4.5 | 3.0 | 1.0 | 3.0 | 6.7 | 4.9 | 7.2 | 5.7 | 4.5 | 24 | 21.2 |
| 30 | 6.9 | 7.4 | 7.2 | 4.9 | 7.8 | 5.2 | 7.6 | 6.9 | 4.5 | 5.7 | 6.0 | 4.7 | 2.5 | 1.8 | 4.7 | 3.7 | 4.0 | 3.7 | 7.4 | 5.4 | 4.5 | 5.0 | 5.5 | 4.5 | 24 | 7.8 |
| 31 | 5.2 | 6.2 | 3.7 | 5.0 | 7.4 | 4.5 | 8.3 | 8.1 | 7.8 | 12.5 | 11.0 | 5.8 | 4.5 | 6.5 | 4.7 | 6.5 | 6.0 | 3.1 | 8.7 | 14.4 | 11.0 | 7.9 | 6.5 | 5.7 | 24 | 14.4 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 28 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 14.0 | 12.3 | 14.7 | 17.6 | 21.2 | 15.9 | 15.7 | 14.9 | 17.3 | 16.6 | 15.4 | 11.8 | 9.3 | 12.3 | 10.3 | 8.8 | 10.5 | 11.3 | 11.3 | 14.7 | 14.5 | 9.1 | 11.5 | 11.3 | | |
| AVG: | 6.47 | 7.27 | 7.02 | 7.48 | 7.45 | 7.27 | 7.54 | 8.28 | 7.77 | 7.09 | 6.72 | 5.26 | 4.07 | 4.21 | 4.40 | 4.21 | 4.06 | 4.49 | 4.74 | 5.36 | 5.90 | 5.57 | 5.73 | 6.07 | | |

MONTHLY OBSERVATIONS: 739 MONTHLY MEAN: 6.02 MONTHLY MAX: 21.2

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-123-0001 POC: 3
COUNTY: (123) Montgomery
CITY: (10120) Candor
SITE ADDRESS: 126 PERRY DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: FOREST
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.2632
LONGITUDE: -79.836613
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 173
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: FEBRUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11.5 | 8.6 | 11.0 | 8.1 | 6.9 | 7.9 | 5.9 | 7.1 | 8.8 | 10.8 | 8.8 | 10.8 | 7.9 | 6.5 | 6.2 | 6.5 | 4.7 | 5.7 | 5.9 | 6.0 | 5.5 | 4.7 | 5.2 | 6.7 | 24 | 11.5 |
| 2 | 6.9 | 7.4 | 13.7 | 8.8 | 9.8 | 8.6 | 13.2 | 11.2 | 12.0 | 6.4 | 5.0 | 3.7 | 5.0 | 6.2 | 9.3 | 10.0 | 9.3 | 5.5 | 10.8 | 11.5 | 8.1 | 11.2 | 9.3 | 5.9 | 24 | 13.7 |
| 3 | 6.9 | 6.5 | 6.2 | 6.2 | 5.2 | 3.3 | 9.3 | 7.9 | 6.2 | 6.7 | 5.9 | 2.1 | 2.6 | 2.3 | .1 | .0 | .4 | -1.0 | -2.7 | -.8 | .9 | -.5 | -2.0 | -1.2 | 24 | 9.3 |
| 4 | -1.7 | .4 | -1.0 | -3.7 | -1.2 | -.3 | -.8 | 1.1 | 6.7 | 10.3 | 7.8 | 6.7 | 5.9 | 5.2 | 4.0 | 6.2 | 8.4 | 6.9 | 7.1 | 6.0 | 4.0 | 5.7 | 4.7 | 12.0 | 24 | 12.0 |
| 5 | 6.2 | 1.6 | 6.2 | 10.8 | 7.4 | 6.4 | 5.7 | 6.2 | 3.5 | 5.2 | 3.5 | 1.3 | 2.8 | .8 | .1 | 3.3 | 1.6 | .1 | 3.2 | 2.5 | 2.8 | 3.7 | 2.8 | 4.4 | 24 | 10.8 |
| 6 | 5.7 | 7.4 | 6.0 | 9.5 | 9.3 | 6.9 | 4.7 | 7.4 | 5.7 | 2.8 | 4.0 | 4.0 | 5.7 | 4.2 | 3.8 | 3.7 | 5.2 | 5.7 | 3.7 | 4.0 | 6.7 | 7.3 | 6.9 | 4.7 | 24 | 9.5 |
| 7 | 5.4 | 5.7 | 4.9 | 4.4 | 3.0 | 4.9 | 12.0 | 8.6 | 4.7 | 3.0 | 2.8 | 5.4 | 4.2 | 2.0 | 3.2 | 3.0 | 1.8 | 5.0 | 3.5 | 4.2 | 4.5 | 5.2 | 8.1 | 7.8 | 24 | 12.0 |
| 8 | 3.3 | .1 | 4.5 | 7.2 | 6.4 | 10.5 | 9.3 | 8.8 | 10.0 | 10.3 | 7.8 | 5.5 | 2.1 | .3 | 7.1 | 8.3 | 7.6 | 11.0 | 8.6 | 10.5 | 8.3 | 6.7 | 12.0 | 12.0 | 24 | 12.0 |
| 9 | 13.5 | 11.3 | 11.8 | 15.4 | 12.5 | 14.7 | 13.2 | 8.8 | 8.6 | 6.4 | AZ | AZ | 2.7 | 1.5 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 12 | 15.4 |
| 10 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 1.8 | 2.0 | 3.7 | 4.9 | 6.7 | 5.7 | 4.0 | 4.7 | 7.2 | 4.4 | 2.8 | 5.9 | 4.5 | 13 | 7.2 |
| 11 | 4.0 | 3.5 | 4.0 | 5.2 6 | 5.4 6 | 9.7 6 | 8.5 6 | 4.1 6 | 2.0 | 5.4 | 5.4 | 9.8 | 8.1 | 5.4 | 4.7 | 3.7 | 4.2 | 5.9 | 5.4 | 4.0 | 3.7 | 3.5 | 4.2 | 8.8 | 24 | 9.8 |
| 12 | 9.3 | 7.4 | 5.4 | 7.1 | 5.9 | 6.9 | 9.0 | 10.8 | 6.7 | 4.0 | 3.5 | 2.8 | 5.9 | 5.7 | 9.8 | 6.9 | 4.0 | 4.2 | 8.6 | 6.9 | 6.4 | 5.7 | 8.5 | 12.5 | 24 | 12.5 |
| 13 | 7.4 | 13.0 | 14.0 | 8.8 | 11.2 | 9.3 | 10.3 | 9.5 | 7.6 | 4.2 | 5.7 | 10.0 | 6.7 | 5.2 | 5.9 | 7.2 | 6.2 | 7.2 | 8.6 | 7.4 | 4.7 | 3.5 | 3.9 6 | 9.0 6 | 24 | 14.0 |
| 14 | 5.1 6 | 1.2 6 | 4.1 6 | 6.3 6 | 5.8 6 | 4.1 6 | 2.4 6 | 3.1 6 | 4.1 6 | 3.5 | 4.2 | 3.2 | 2.3 | 1.5 | 1.8 | 4.5 | 5.7 | 4.5 | 5.2 | 6.9 | 4.2 | 2.3 | 2.8 | 5.7 | 24 | 6.9 |
| 15 | 3.5 | 6.2 | 9.3 | 5.4 | 3.0 | 7.6 | 6.9 | 6.7 | 4.9 | 5.5 | 8.3 | 8.1 | 4.7 | 3.2 | 3.2 | 3.5 | 4.2 | 6.7 | 4.7 | 9.0 | 7.8 | 11.0 | 11.5 | 7.2 | 24 | 11.5 |
| 16 | 7.8 | 9.3 | 4.9 | 3.5 | 2.3 | .4 | .6 | .6 | 2.8 | 5.2 | 3.0 | .8 | 1.5 | .1 | 1.3 | -2.3 | .8 | 5.4 | 5.0 | 6.2 | 3.7 | 9.1 | 6.0 | 4.2 | 24 | 9.3 |
| 17 | 10.7 | 7.2 | 5.0 | 5.0 | 6.0 | 8.1 | 6.7 | 6.4 | 7.6 | 6.2 | 4.5 | 3.7 | 1.6 | 4.2 | 3.0 | -.5 | 3.3 | 5.7 | 4.2 | 4.0 | 5.2 | 5.7 | 3.7 | 3.5 | 24 | 10.7 |
| 18 | 4.4 | 7.1 | 5.7 | 6.2 | 8.1 | 12.7 | 7.8 | 9.5 | 7.4 | 6.7 | 7.6 | 10.3 | 7.4 | 7.1 | 9.1 | 6.5 | 4.0 | 7.4 | 8.1 | 10.3 | 11.5 | 9.0 | 9.8 | 8.3 | 24 | 12.7 |
| 19 | 7.8 | 7.4 | 6.2 | 9.3 | 12.5 | 11.8 | 12.7 | 8.1 | 12.5 | 9.8 | 9.8 | 9.3 | 7.3 | 7.3 | 9.0 | 4.3 | 1.8 | 5.7 | 6.2 | 5.2 | 3.5 | 5.0 | 6.7 | 6.9 | 24 | 12.7 |
| 20 | 5.2 | 8.8 | 9.8 | 7.4 | 13.5 | 8.3 | 6.2 | 6.7 | 9.5 | 8.1 | 8.3 | 13.7 | 7.9 | 10.5 | 14.3 | 18.3 | 13.0 | 9.3 | 7.9 | 13.5 | 8.3 | 17.4 | 11.8 | 8.8 | 24 | 18.3 |
| 21 | 15.0 | 10.5 | 15.2 | 19.5 | 14.7 | 17.1 | 18.1 | 15.9 | 18.8 | 19.2 | 16.2 | 16.4 | 17.8 | 20.3 | 12.8 | 14.8 | 11.4 | 9.6 | 11.5 | 14.2 | 11.5 | 12.5 | 15.4 | 10.1 | 24 | 20.3 |
| 22 | 10.0 | 11.5 | 10.3 | 9.3 | 11.5 | 9.6 | 9.1 | 14.5 | 15.7 | 10.5 | 18.5 | 13.0 | 13.5 | 13.3 | 11.5 | 10.8 | 14.7 | 6.9 | 9.3 | 8.6 | 13.0 | 10.1 | 9.5 | 11.5 | 24 | 18.5 |
| 23 | 11.8 | 9.3 | 7.1 | 4.0 | 7.1 | 6.0 | 3.7 | 2.0 | 5.5 | 6.0 | AX | .3 6 | -.3 | -1.2 | 2.1 | 6.0 | 3.5 | .3 | .3 | 1.3 | 4.0 | 4.0 | 1.3 | .0 | 23 | 11.8 |
| 24 | 1.8 | 2.1 | .6 | 2.1 | 1.6 | .6 | -.8 | -2.2 | -.3 | -.3 | .1 | 1.3 | 1.7 | 8.2 | 8.9 | 5.2 | 8.4 | 5.7 | 6.5 | 6.9 | 4.2 | 3.5 | 2.3 | 2.1 | 24 | 8.9 |
| 25 | 2.8 | 4.5 | 2.1 | -1.3 | 2.8 | 1.8 | 2.0 | 3.0 | 4.0 | 2.8 | 2.3 | 2.3 | 1.3 | .4 | 1.6 | 1.8 | 6.0 | 7.1 | 5.2 | 1.8 | 3.3 | 6.5 | 6.5 | 5.2 | 24 | 7.1 |
| 26 | 3.0 | 6.9 | 4.9 | 2.7 | 1.8 | 2.5 | 5.2 | 8.1 | 8.1 | 5.0 | 1.8 | 5.7 | 6.2 | 2.1 | 2.1 | 2.1 | 2.3 | 2.5 | 5.5 | 3.5 | .8 | 3.3 | 4.0 | 5.2 | 24 | 8.1 |
| 27 | 6.2 | 6.0 | 6.7 | 8.8 | 6.5 | 5.5 | 4.0 | 7.2 | 3.7 | 2.8 | 2.3 | 4.5 | 5.7 | 6.7 | 7.4 | 7.8 | 7.1 | 6.9 | 8.3 | 6.2 | 5.7 | 7.8 | 6.0 | 4.0 | 24 | 8.8 |
| 28 | 4.2 | 9.6 | 8.4 | 7.4 | 12.7 | 12.0 | 8.6 | 8.8 | 12.0 | 7.9 | 6.2 | 5.7 | 3.3 | 1.9 | 4.8 | 4.1 | 1.4 | 4.8 | 6.5 | 11.0 | 8.8 | 11.8 | 12.5 | 13.2 | 24 | 13.2 |
| 29 | 8.8 | 10.8 | 12.7 | 13.0 | 12.8 | 12.5 | 16.2 | 10.0 | 11.3 | 13.0 | 11.0 | 10.1 | 7.7 | 6.2 | 8.9 | 12.6 6 | 9.9 6 | 9.1 | 10.8 | 12.1 | 7.1 | 10.5 | 11.8 | 13.2 | 24 | 16.2 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 26 | 28 | 29 | 29 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | | |
| MAX: | 15.0 | 13.0 | 15.2 | 19.5 | 14.7 | 17.1 | 18.1 | 15.9 | 18.8 | 19.2 | 18.5 | 16.4 | 17.8 | 20.3 | 14.3 | 18.3 | 14.7 | 11.0 | 11.5 | 14.2 | 13.0 | 17.4 | 15.4 | 13.2 | | |
| AVG: | 6.66 | 6.83 | 7.13 | 7.01 | 7.30 | 7.48 | 7.49 | 7.14 | 7.50 | 6.69 | 6.32 | 6.15 | 5.21 | 4.86 | 5.75 | 5.89 | 5.59 | 5.64 | 6.16 | 6.79 | 5.81 | 6.75 | 6.83 | 7.01 | | |

MONTHLY OBSERVATIONS: 672 MONTHLY MEAN: 6.50 MONTHLY MAX: 20.3

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-123-0001 POC: 3
COUNTY: (123) Montgomery
CITY: (10120) Candor
SITE ADDRESS: 126 PERRY DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: FOREST
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.2632
LONGITUDE: -79.836613
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 173
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MARCH 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13.7 | 14.2 | 13.7 | 11.5 | 14.7 | 10.3 | 13.5 | 11.5 | 15.2 | 14.3 | 16.0 | 11.4 | 7.2 | 7.5 | 10.1 | 14.3 | 12.1 | 20.1 | 18.8 | 16.7 | 16.9 | 21.0 | 23.0 | 25.4 | 24 | 25.4 |
| 2 | 24.4 | 17.4 | 15.7 | 6.5 | 5.0 | 4.0 | 2.6 | 2.8 | 3.5 | 2.1 | 4.7 | 6.9 | 4.7 | 2.1 | 3.5 | 5.4 | 8.6 | 7.6 | 5.0 | 5.2 | 4.5 | 6.2 | 5.5 | 6.7 | 24 | 24.4 |
| 3 | 4.7 | 7.4 | 6.9 | 5.9 | 4.7 | 7.4 | 7.7 | 5.2 | 4.2 | 2.3 | 4.0 | 4.2 | 3.7 | 7.4 | 27.4 | 9.3 | 6.2 | 7.4 | 15.2 | 11.0 | 10.3 | 11.8 | 12.5 | 11.3 | 24 | 27.4 |
| 4 | 12.3 | 10.0 | 9.8 | 11.8 | 9.8 | 10.0 | 12.0 | 8.1 | 11.3 | 13.2 | 9.8 | 8.4 | 6.7 | 3.3 | 4.2 | 6.7 | 9.3 | 4.7 | 1.8 | 1.8 | .8 | 3.3 | 4.7 | 5.0 | 24 | 13.2 |
| 5 | 3.0 | 4.0 | 5.2 | 8.6 | 7.8 | 8.6 | 5.7 | 8.4 | 8.6 | 11.5 | 11.0 | 13.0 | 7.6 | 6.2 | 7.4 | 7.6 | 6.5 | 7.1 | 8.8 | 15.9 | 15.9 | 22.2 | 21.7 | 14.5 | 24 | 22.2 |
| 6 | 16.9 | 9.1 | 15.4 | 26.2 | 14.5 | 12.0 | 17.8 | 11.8 | 10.8 | 7.1 | 3.8 | 1.6 | 2.5 | 1.8 | .6 | 7.7 | 4.1 6 | 4.0 | 3.5 | 7.4 | 7.3 | 6.5 | 6.7 | 11.3 | 24 | 26.2 |
| 7 | 8.1 | 10.3 | 8.8 | 7.6 | 9.8 | 14.0 | 11.3 | 13.0 | 14.0 | 9.3 | 13.3 | 8.9 | 6.5 | 6.0 | 7.2 | 8.4 | 7.2 | 6.0 | 23.3 | 30.8 | 21.0 | 14.5 | 12.3 | 14.5 | 24 | 30.8 |
| 8 | 14.0 | 14.0 | 14.5 | 8.6 | 10.6 | 11.8 | 8.1 | 8.8 | 10.0 | 8.6 | AX | AX | 9.6 | 6.5 | 7.0 | 7.0 | 6.2 | 7.7 | 6.5 | 8.6 | 8.6 | 8.8 | 12.5 | 16.4 | 22 | 16.4 |
| 9 | 15.9 | 9.3 | 15.7 | 11.0 | 8.6 | 9.3 | 7.8 | 11.8 | 7.4 | 5.4 | 6.7 | 6.2 | 2.9 | 1.6 | 6.0 | 9.4 | 6.7 | 7.7 | 6.5 | 5.2 | 5.3 | 12.8 | 12.7 | 11.8 | 24 | 15.9 |
| 10 | 10.3 | 7.4 | 5.5 | 6.0 | 5.2 | 5.7 | 5.0 | 4.2 | 11.0 | 8.6 | 7.0 | 5.5 | 5.5 | 5.5 | 5.0 | 8.2 | 8.7 | 9.6 | 5.7 | 9.6 | 6.2 | 12.8 | 8.8 | 8.1 | 24 | 12.8 |
| 11 | 11.2 | 7.8 | 5.4 | 7.6 | 6.5 | 7.9 | 7.4 | 8.6 | 10.0 | 9.6 | 8.6 | 15.3 | 12.6 | 11.6 | 13.8 | 17.9 | 11.4 | 7.4 | 12.1 | 9.4 | 9.8 | 10.3 | 6.9 | 5.0 | 24 | 17.9 |
| 12 | 15.2 | 26.4 | 21.0 | 14.2 | 20.3 | 12.3 | 12.8 | 17.4 | 10.0 | 11.3 | 12.8 | 10.8 | 11.4 | 8.9 | 13.6 | 8.7 | 8.7 | 7.0 | 6.5 | 5.9 | 7.6 | 15.7 | 18.6 | 14.2 | 24 | 26.4 |
| 13 | 10.7 | 9.8 | 16.4 | 11.3 | 8.8 | 7.6 | 9.5 | 13.7 | 12.3 | 7.2 | 7.5 | 17.4 | 10.1 | 10.1 | 6.7 | 5.5 | 4.0 | 3.5 | 3.8 | 9.1 | 8.1 | 5.2 | 6.2 | 3.3 | 24 | 17.4 |
| 14 | 3.2 | 5.2 | 10.3 | 5.9 | 3.5 | 7.1 | 11.0 | 6.9 | 6.9 | 5.2 | 6.5 | 10.3 | 7.1 | 2.6 | 9.1 | 6.4 | 5.8 | 6.2 | 9.4 | 6.6 | 6.7 | 6.0 | 5.5 | 3.2 | 24 | 11.0 |
| 15 | 5.7 | 3.3 | 5.7 | 4.5 | 1.0 | 1.6 | 11.3 | 10.7 | 6.2 | 5.7 | 4.0 | 4.7 | 5.0 | 4.5 | 5.2 | .3 | 4.2 | 6.7 | 10.5 | 8.1 | 7.6 | 10.5 | 7.4 | 5.2 | 24 | 11.3 |
| 16 | 6.2 | 9.0 | 7.4 | 15.2 | 15.4 | 14.0 | 19.0 | 16.1 | 18.6 | 17.6 | 25.9 | 18.3 | 18.1 | 19.7 | 17.6 | 13.5 | 15.7 | 22.0 | 13.0 | 14.5 | 16.9 | 23.5 | 12.7 | 7.7 | 24 | 25.9 |
| 17 | 9.0 | 6.9 | 6.7 | 20.0 | 9.6 | 12.5 | 10.5 | 8.9 | 4.2 | -.8 | 1.3 | 2.3 | .3 | .6 | 1.1 | 4.2 | 5.4 | 3.7 | 2.0 | 5.4 | 4.2 | 7.6 | 6.7 | 4.9 | 24 | 20.0 |
| 18 | 5.2 | 8.6 | 4.4 | 5.9 | 5.7 | 5.9 | 6.2 | 6.2 | 5.4 | 2.1 | 1.3 | 6.7 | 5.5 | 2.0 | .8 | 3.3 | 6.2 | 6.9 | 5.4 | 4.9 | 8.5 | 5.2 | 5.4 | 8.1 | 24 | 8.6 |
| 19 | 10.0 | 6.9 | 11.5 | 7.7 | 10.7 | 11.7 | 13.7 | 12.3 | 8.8 | 9.3 | 7.2 | 9.6 | 18.1 | 19.5 | 14.5 | 22.5 | 6.9 | 10.8 | 6.4 | 8.1 | 9.3 | 6.9 | 5.9 | 8.4 | 24 | 22.5 |
| 20 | 6.4 | 13.0 | 13.2 | 7.2 | 1.5 | 4.2 | 6.5 | 14.9 | 12.0 | 12.0 | 7.4 | 3.5 | .1 | 4.7 | 6.2 | 6.5 | 13.7 | 8.4 | 11.1 | 9.1 | 11.1 | 11.5 | 11.3 | 9.6 | 24 | 14.9 |
| 21 | 9.3 | 6.2 | 7.4 | 13.9 | 8.4 | 12.3 | 8.4 | 8.6 | 5.2 | 11.5 | 11.8 | 12.3 | 11.3 | 8.4 | 7.4 | 7.6 | 4.2 | 2.8 | 5.9 | 7.9 | 8.6 | 5.4 | 4.2 | 6.4 | 24 | 13.9 |
| 22 | 14.9 | 15.4 | 10.6 | 10.1 | 6.9 | 7.9 | 8.8 | 10.5 | 10.1 | AX | AX | 4.4 | 3.2 | 7.8 | 8.8 | 6.0 | 2.8 | 8.6 | 10.5 | 20.0 | 38.9 | 7.4 | 11.5 | 7.1 | 22 | 38.9 |
| 23 | 12.3 | 11.5 | 18.5 | 20.3 | 19.0 | 21.3 | 20.3 | 14.7 | 20.0 | 25.1 | 14.9 | 9.8 | 18.3 | 71.3 | 14.0 | 8.3 | 6.4 | 5.4 | 5.4 | 8.3 | 15.2 | 16.3 | 17.1 | 16.6 | 24 | 71.3 |
| 24 | 14.9 | 19.3 | 11.7 | 9.8 | 8.4 | 5.9 | 6.9 | 13.2 | 7.6 | 4.7 | 15.2 | 12.5 | 6.7 | 5.9 | 8.8 | 5.0 | 2.8 | 4.2 | 6.4 | 9.8 | 4.2 | 9.3 | 12.2 | 8.5 | 24 | 19.3 |
| 25 | 5.7 | 4.4 | 4.9 | 7.2 | 6.2 | 3.7 | 4.2 | 6.7 | 6.9 | 7.6 | 6.9 | 15.9 | 6.9 | 6.5 | 6.0 | 6.9 | 6.7 | 8.4 | 12.0 | 11.5 | 7.1 | 6.4 | 14.2 | 13.2 | 24 | 15.9 |
| 26 | 7.7 | 4.2 | 6.4 | 9.0 | 8.8 | 9.8 | 14.2 | 17.3 | 8.1 | 6.7 | 7.8 | 11.5 | 14.4 | 14.2 | 13.5 | 16.6 | 11.2 | 16.6 | 18.3 | 17.8 | 15.4 | 22.4 | 14.9 | 17.8 | 24 | 22.4 |
| 27 | 8.9 | 15.2 | 15.4 | 9.5 | 6.0 | 7.9 | 11.5 | 11.3 | 8.4 | 15.7 | 14.4 | 19.1 | 15.7 | 13.5 | 19.1 | 7.2 | 4.0 | 7.2 | 4.2 | 3.0 | 1.8 | -.8 | .6 | 2.8 | 24 | 19.1 |
| 28 | 2.8 | 3.5 | .8 | .8 | .8 | .0 | 1.5 | 5.2 | 3.0 | 3.2 | 3.0 | 5.0 | 3.5 | 3.3 | 7.0 | 6.0 | 3.5 | .1 | 9.0 | 8.3 | 9.3 | 6.4 | 8.2 | 5.9 | 24 | 9.3 |
| 29 | 6.4 | 5.7 | 5.7 | 6.2 | 4.2 | 4.9 | 9.8 | 6.4 | 4.5 | 4.2 | 3.5 | -.3 | 5.2 | 4.2 | 6.7 | 6.0 | 6.2 | 3.8 | 11.0 | 34.0 | 20.5 | 8.6 | 8.4 | 7.2 | 24 | 34.0 |
| 30 | 10.3 | 28.4 | 49.6 | 21.3 | 14.7 | 34.5 | 16.6 | 14.9 | 12.7 | 8.2 | 5.2 | 3.5 | 4.7 | 11.3 | 19.3 | 13.5 | 8.1 | 1.8 | 1.3 | 6.4 | 4.9 | 6.5 | 6.7 | 7.9 | 24 | 49.6 |
| 31 | 3.7 | 2.0 | 5.9 | 5.0 | 5.9 | 10.0 | 7.9 | 9.5 | 5.4 | AV | AV | 10.0 | 9.8 | 6.2 | 5.2 | 4.2 | 8.3 | 8.1 | 6.7 | 5.2 | 8.6 | 9.5 | 5.0 | .8 | 22 | 10.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 28 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 24.4 | 28.4 | 49.6 | 26.2 | 20.3 | 34.5 | 20.3 | 17.4 | 20.0 | 25.1 | 25.9 | 19.1 | 18.3 | 71.3 | 27.4 | 22.5 | 15.7 | 22.0 | 23.3 | 34.0 | 38.9 | 23.5 | 23.0 | 25.4 | | |
| AVG: | 9.77 | 10.19 | 11.29 | 10.20 | 8.48 | 9.55 | 9.98 | 10.31 | 9.11 | 8.57 | 8.63 | 8.96 | 7.90 | 9.18 | 9.12 | 8.39 | 7.15 | 7.47 | 8.58 | 10.50 | 10.36 | 10.31 | 10.00 | 9.32 | | |

MONTHLY OBSERVATIONS: 738 MONTHLY MEAN: 9.31 MONTHLY MAX: 71.3

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-123-0001 POC: 3
COUNTY: (123) Montgomery
CITY: (10120) Candor
SITE ADDRESS: 126 PERRY DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: FOREST
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.2632
LONGITUDE: -79.836613
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 173
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: APRIL 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.5 | 2.5 | 5.7 | 5.7 | 5.2 | 3.7 | 3.0 | 4.7 | 1.8 | .6 | 2.8 | 4.0 | 2.3 | 1.6 | 2.6 | 5.7 | 4.3 | 8.6 | 6.4 | 6.5 | 6.7 | 4.2 | 1.8 | 1.8 | 24 | 8.6 |
| 2 | 3.2 | 4.0 | 4.5 | 3.5 | 1.0 | 1.5 | 6.0 | 4.4 | 5.0 | 5.5 | 5.9 | 10.0 | 6.7 | 7.4 | 3.3 | 2.0 | 5.2 | 3.0 | 1.5 | 9.5 | 6.2 | 2.5 | 1.8 | 6.7 | 24 | 10.0 |
| 3 | 5.7 | 2.8 | 4.7 | 4.9 | 3.2 | 4.2 | 4.0 | 1.3 | .1 | -.5 | 6.2 | 4.5 | 1.3 | .3 | 2.5 | 1.8 | 3.8 | 1.1 | 4.5 | 5.7 | 3.0 | 1.8 | 4.2 | 4.0 | 24 | 6.2 |
| 4 | 3.2 | 4.7 | 6.7 | 4.0 | 7.4 | 10.3 | 6.4 | 4.7 | 3.0 | 1.1 | 2.5 | 5.7 | 6.5 | 8.6 | 7.6 | 8.6 | 6.9 | 7.8 | 6.0 | 5.4 | 7.8 | 4.7 | 4.5 | 5.5 | 24 | 10.3 |
| 5 | 6.2 | 3.7 | 13.2 | 10.3 | 13.2 | 6.9 | 13.5 | 10.1 | 10.1 | 5.4 | AX | BA | 1.0 | 6.2 | 4.2 | .3 | -.6 | .3 | 2.3 | 3.5 | 5.4 | 5.4 | 3.7 | 6.9 | 22 | 13.5 |
| 6 | 4.2 | 3.0 | 4.4 | 5.4 | 6.7 | 5.7 | 6.4 | 4.4 | 2.5 | .1 | -.6 | .6 | -.8 | -1.2 | 3.0 | 2.3 | 1.1 | .8 | 1.1 | 3.0 | 9.8 | 11.3 | 12.5 | 7.2 | 24 | 12.5 |
| 7 | 4.7 | 1.3 | 1.8 | 1.6 | 1.6 | 2.7 | 5.0 | 2.8 | -1.7 | 3.5 | 7.5 | AX | BA | AT | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 11 | 7.5 |
| 8 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 9 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 10 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 11 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | BA | 2.8 | 4.0 | 4.5 | 6.0 | 6.5 | 5.5 | 8.3 | 8.3 | 5.7 | 17.3 | 13.7 | 12.7 | 12 | 17.3 |
| 12 | 10.5 | 10.3 | 5.9 | 4.2 | 8.2 | 4.2 | 4.2 | 4.2 | 3.2 | 5.2 | 4.7 | 5.2 | 5.2 | .8 | 4.0 | 4.5 | 7.2 | 6.7 | 12.5 | 5.7 | 4.4 | 8.2 | 5.2 | 3.2 | 24 | 12.5 |
| 13 | 9.3 | 8.9 | 13.2 | 10.1 | 11.8 | 9.1 | 7.2 | 6.7 | 5.7 | 5.2 | 10.5 | 7.6 | 4.0 | 5.0 | 4.5 | 11.8 | 7.6 | 5.2 | 5.4 | 4.9 | 7.4 | 6.2 | 9.5 | 6.7 | 24 | 13.2 |
| 14 | 9.6 | 7.4 | 7.4 | 7.4 | 6.6 | 4.4 | 4.0 | 2.3 | 3.0 | 8.4 | 7.2 | 4.2 | 2.5 | 3.3 | 2.8 | 2.8 | 11.6 | 6.6 | 6.0 | 6.9 | 7.2 | 5.2 | 4.2 | 4.2 | 24 | 11.6 |
| 15 | 3.5 | 4.5 | 5.2 | 5.7 | 6.4 | 4.0 | 6.2 | 5.0 | 2.5 | 3.5 | 1.6 | 2.8 | 5.4 | 3.5 | 4.5 | 4.5 | 3.2 | 4.0 | 5.5 | 5.7 | 6.0 | 5.2 | 5.2 | 3.2 | 24 | 6.4 |
| 16 | 9.1 | 8.9 | 5.4 | 6.4 | 4.2 | 14.4 | 7.9 | 4.4 | 7.2 | 1.1 | -2.0 | 3.5 | 2.8 | 1.3 | .0 | 1.3 | 6.0 | 5.4 | 7.4 | 4.0 | 3.7 | 3.2 | 9.1 | 5.2 | 24 | 14.4 |
| 17 | 4.4 | 4.5 | 6.9 | 10.8 | 11.3 | 10.6 | 5.5 | 9.4 | 5.4 | 5.5 | 4.2 | 3.0 | 1.6 | 4.7 | 3.3 | .3 | 5.0 | 2.8 | .6 | 6.7 | 4.2 | 7.4 | 10.3 | 5.7 | 24 | 11.3 |
| 18 | 2.7 | 3.7 | 8.1 | 7.7 | 11.1 | 14.9 | 11.7 | 16.6 | 7.2 | 8.8 | 12.5 | 7.6 | 7.0 | 3.8 | 7.6 6 | 4.8 6 | 6.7 6 | 6.0 | 6.9 | 6.8 | 5.2 | 6.4 | 6.4 | 6.7 | 24 | 16.6 |
| 19 | 8.1 | 6.9 | 9.1 | 7.9 | 8.2 | 9.3 | 11.7 | 8.4 | 11.8 | 6.9 | 5.7 | AX | BA | 6.7 | 3.8 | 7.8 | 6.7 | 4.0 | 6.9 | 6.0 | 16.4 | 10.3 | 15.4 | 12.0 | 22 | 16.4 |
| 20 | 15.2 | 14.0 | 14.9 | 15.9 | 7.4 | 8.6 | 7.7 | 4.2 | 5.2 | 3.0 | 5.7 | 6.2 | 5.2 | 5.5 | 4.2 | 4.5 | 8.3 | 8.1 | 6.4 | 11.8 | 10.8 | 8.6 | 11.3 | 12.2 | 24 | 15.9 |
| 21 | 10.5 | 15.4 | 13.0 | 13.9 | 15.2 | 15.7 | 25.7 | 13.5 | 11.0 | 15.9 | 8.1 | 7.2 | 12.0 | 11.0 | 11.0 | 16.4 | 9.8 | 11.5 | 8.1 | 12.5 | 11.8 | 14.2 | 7.8 | 11.7 | 24 | 25.7 |
| 22 | 10.2 | 11.2 | 10.7 | 12.7 | 9.8 | 8.8 | 10.5 | 11.5 | 7.9 | 12.5 | 13.0 | 8.3 | 14.5 | 8.3 | 5.9 | 6.9 | 6.0 | 3.3 | 1.8 | 3.2 | 4.7 | 4.4 | 4.0 | 5.0 | 24 | 14.5 |
| 23 | 4.5 | 3.3 | 3.2 | 7.7 | 7.7 | 17.6 | 13.2 | 7.2 | 3.7 | 3.7 | 3.0 | 1.5 | .8 | 2.5 | 3.5 | 2.8 | 1.6 | 5.7 | 3.0 | 3.7 | 3.3 | 2.3 | 2.3 | 5.4 | 24 | 17.6 |
| 24 | 5.9 | 3.5 | 1.5 | 5.0 | 8.2 | 8.6 | 10.5 | 7.9 | 5.0 | 4.5 | 4.2 | 1.8 | 3.0 | 3.0 | .8 | 4.2 | 6.9 | 4.7 | 5.4 | 5.4 | 7.4 | 4.7 | 5.9 | 4.2 | 24 | 10.5 |
| 25 | 4.5 | 8.8 | 5.7 | 5.7 | 7.7 | 6.4 | 8.4 | 7.7 | 7.2 | 6.5 | 3.7 | 2.8 | 4.2 | 3.8 | 5.2 | 3.7 | 6.7 | 4.9 | 9.6 | 6.0 | 3.0 | 5.4 | 12.2 | 8.3 | 24 | 12.2 |
| 26 | 8.8 | 7.9 | 9.0 | 10.8 | 7.2 | 5.7 | 8.4 | 4.5 | 5.7 | 5.0 | 2.8 | 9.1 | 12.5 | 8.8 | 4.7 | 10.5 | 12.0 | 8.3 | 5.7 | 6.4 | 7.4 | 9.8 | 7.4 | 8.1 | 24 | 12.5 |
| 27 | 12.0 | 10.2 | 11.0 | 10.7 | 8.6 | 9.3 | 6.4 | 7.9 | 7.6 | 14.5 | 7.4 | 10.5 | 7.9 | 4.2 | 2.8 | 3.5 | 11.8 | 8.6 | 11.3 | 14.7 | 9.5 | 12.0 | 13.7 | 10.3 | 24 | 14.7 |
| 28 | 9.0 | 7.4 | 9.0 | 7.2 | 5.2 | 4.4 | 3.2 | 4.5 | .6 | 6.2 | 11.5 | 9.3 | 7.1 | 10.8 | 6.2 | 11.3 | 9.8 | 9.8 | 7.9 | 8.6 | 6.7 | 6.7 | 13.5 | 11.5 | 24 | 13.5 |
| 29 | 9.8 | 7.8 | 8.6 | 6.5 | 7.4 | 7.2 | 10.8 | 7.2 | 4.7 | 4.7 | 2.3 | .3 | 3.0 | 9.3 | 6.3 | 7.4 | 6.9 | 6.0 | 3.0 | 4.5 | 5.2 | 8.6 | 11.0 | 12.0 | 24 | 12.0 |
| 30 | 14.7 | 10.5 | 14.9 | 15.9 | 10.5 | 9.6 | 10.0 | 11.3 | 7.6 | 9.5 | 10.5 | 11.5 | 10.5 | 12.3 | 8.3 | 13.5 | 9.0 | 8.6 | 8.1 | 7.4 | 11.3 | 11.5 | 11.5 | 14.2 | 24 | 15.9 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 25 | 23 | 25 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | | |
| MAX: | 15.2 | 15.4 | 14.9 | 15.9 | 15.2 | 17.6 | 25.7 | 16.6 | 11.8 | 15.9 | 13.0 | 11.5 | 14.5 | 12.3 | 11.0 | 16.4 | 12.0 | 11.5 | 12.5 | 14.7 | 16.4 | 17.3 | 15.4 | 14.2 | | |
| AVG: | 7.42 | 6.81 | 7.83 | 7.98 | 7.73 | 7.99 | 8.37 | 6.80 | 5.12 | 5.63 | 5.64 | 5.53 | 5.16 | 5.21 | 4.50 | 5.74 | 6.54 | 5.67 | 5.83 | 6.65 | 6.93 | 7.21 | 8.00 | 7.48 | | |

MONTHLY OBSERVATIONS: 619 MONTHLY MEAN: 6.58 MONTHLY MAX: 25.7

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-123-0001 POC: 3
COUNTY: (123) Montgomery
CITY: (10120) Candor
SITE ADDRESS: 126 PERRY DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: FOREST
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.2632
LONGITUDE: -79.836613
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 173
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MAY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.6 | 11.0 | 6.2 | 3.7 | 2.5 | 4.4 | 8.8 | 10.0 | 6.4 | 4.7 | 1.8 | -1.5 | 1.8 | 3.0 | 3.0 | 2.0 | 3.2 | 3.5 | 2.5 | 3.5 | 1.3 | -.3 | .6 | 3.0 | 24 | 11.0 |
| 2 | 5.4 | 1.8 | -1.8 | 4.5 | 3.7 | 2.8 | 4.5 | 5.7 | 10.5 | 9.3 | 9.0 | 11.5 | 11.0 | 10.0 | 8.1 | 7.1 | 5.7 | 1.8 | -1.0 | -1.0 | 2.0 | 2.3 | 2.1 | 2.0 | 24 | 11.5 |
| 3 | .1 | 4.4 | 6.2 | 3.2 | 3.2 | 4.2 | 3.7 | 3.5 | 6.4 | AX | BA | BA | -2.0 | -.8 | .0 | 1.5 | 1.0 | 2.0 | 2.5 | 1.5 | 2.3 | 5.9 | 4.4 | 4.9 | 21 | 6.4 |
| 4 | 6.2 | 2.7 | 2.5 | 3.2 | 4.5 | 1.5 | 4.7 | 3.2 | .1 | .8 | 4.4 | 3.2 | 5.7 | 4.5 | 2.0 | 1.3 | 3.5 | 2.0 | 3.5 | 4.7 | 5.9 | 7.6 | 8.1 | 9.8 | 24 | 9.8 |
| 5 | 12.5 | 14.0 | 9.1 | 10.7 | 5.7 | 4.9 | 3.5 | .3 | 2.5 | 2.8 | 1.8 | 1.5 | -.3 | -1.7 | -.6 | -.8 | 1.8 | 1.8 | 1.3 | 2.7 | .8 | 3.0 | 2.5 | 1.3 | 24 | 14.0 |
| 6 | .8 | -1.0 | -3.2 | -2.7 | 2.0 | .8 | .1 | 1.3 | -1.3 | .5 | .8 | -1.8 | 3.0 | 1.8 | 1.5 | 1.5 | .6 | 2.3 | 7.1 | 4.9 | 2.7 | 2.5 | 2.7 | 3.2 | 24 | 7.1 |
| 7 | 3.9 | 4.2 | 9.1 | 8.2 | 9.6 | 6.2 | 9.3 | 5.7 | 2.8 | 3.0 | 2.8 | .8 | 1.5 | 1.0 | 5.2 | 5.4 | 1.8 | -2.8 | 3.5 | 5.2 | 7.6 | 7.9 | 4.4 | 8.1 | 24 | 9.6 |
| 8 | 6.4 | 7.6 | 7.4 | 6.9 | 9.4 | 6.7 | 4.4 | 12.2 | 10.5 | 8.8 | 5.4 | 6.2 | 6.2 | 4.5 | 2.5 | 1.6 | 4.0 | 6.9 | 7.2 | 11.5 | 7.8 | 7.4 | 7.8 | 9.0 | 24 | 12.2 |
| 9 | 8.1 | 6.7 | 5.2 | 8.1 | 8.8 | 9.0 | 9.3 | 7.2 | 7.8 | 9.0 | 11.3 | 8.1 | 11.5 | 9.8 | 12.5 | 11.0 | 9.3 | 10.3 | 10.8 | 10.8 | 12.5 | 11.0 | 8.1 | 8.3 | 24 | 12.5 |
| 10 | 7.9 | 10.7 | 9.5 | 10.7 | 15.6 | 11.5 | 14.9 | 13.2 | 8.1 | 14.7 | 8.1 | 13.7 | 12.5 | 10.8 | 8.8 | 10.3 | 14.9 | 8.6 | 14.5 | 10.0 | 10.5 | 8.3 | 6.2 | 10.0 | 24 | 15.6 |
| 11 | 12.5 | 11.7 | 9.8 | 10.5 | 9.0 | 14.0 | 10.5 | 8.6 | 14.0 | 13.2 | 13.7 | 10.7 | 10.0 | 11.5 | 10.5 | 9.3 | 14.2 | 13.2 | 10.8 | 10.8 | 10.5 | 11.5 | 11.5 | 11.3 | 24 | 14.2 |
| 12 | 11.5 | 9.8 | 13.5 | 10.0 | 7.8 | 7.4 | 10.0 | 9.1 | 12.5 | 13.2 | 12.3 | 12.2 | 15.9 | 16.8 | 12.3 | 12.0 | 11.8 | 8.1 | 8.8 | 7.3 | 9.5 | 7.6 | 5.2 | 6.2 | 24 | 16.8 |
| 13 | 7.6 | 8.8 | 6.4 | 5.7 | 4.9 | 4.5 | 4.5 | 7.8 | 7.1 | 10.0 | 10.8 | 8.8 | 6.2 | 8.3 | 4.0 | 2.3 | 3.0 | 2.8 | 2.0 | .1 | .5 | -.6 | .5 | 3.2 | 24 | 10.8 |
| 14 | 3.7 | 3.2 | 3.5 | 5.2 | 4.9 | 7.1 | 5.4 | 2.8 | 1.0 | 2.5 | 4.0 | 2.8 | 3.5 | 3.0 | 1.0 | 2.8 | 4.7 | 4.0 | 5.2 | 6.4 | 4.4 | 8.5 | 6.7 | 1.5 | 24 | 8.5 |
| 15 | 1.8 | .5 | 1.8 | 3.9 | 2.7 | .1 | -2.0 | 2.3 | 2.7 | .5 | .6 | 1.0 | 2.0 | 2.3 | 2.5 | 1.0 | .1 | .6 | 2.7 | 3.5 | 4.9 | 2.3 | 6.4 | 5.2 | 24 | 6.4 |
| 16 | 2.7 | 1.5 | .8 | 1.7 | 3.4 | 3.5 | 4.7 | 2.3 | 1.3 | 2.3 | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | 10 | 4.7 |
| 17 | BK | BK | BK | BK | BK | BK | BK | BK | BK | BK | BA | BA | BA | BA | AX | BA | .8 | 2.5 | 4.5 | 8.3 | 4.7 | 4.7 | 3.2 | 1.5 | 8 | 8.3 |
| 18 | 2.3 | 3.7 | 2.3 | 2.8 | 5.4 | 2.5 | -1.0 | 1.5 | 2.5 | 1.8 | 2.8 | 3.5 | 2.3 | 8.1 | 5.2 | 3.2 | 4.4 | 5.2 | 4.7 | 3.0 | 5.9 | 2.7 | 3.0 | 4.2 | 24 | 8.1 |
| 19 | 10.7 | 8.6 | 3.2 | 5.7 | 8.6 | 5.4 | 4.7 | 5.2 | 8.6 | 8.6 | 10.3 | 7.9 | 7.9 | 8.8 | 6.7 | 4.2 | 6.2 | 7.4 | 8.9 | 6.2 | 10.7 | 7.2 | 7.6 | 5.7 | 24 | 10.7 |
| 20 | 4.2 | 6.7 | 7.4 | 5.4 | 3.9 | 8.4 | 10.0 | 8.6 | 5.7 | 6.2 | 7.2 | 5.4 | 4.0 | 3.0 | 4.7 | 6.6 | 3.2 | .8 | 2.0 | 1.3 | 3.5 | 4.0 | 4.4 | 3.7 | 24 | 10.0 |
| 21 | 2.5 | .0 | -3.2 | -4.4 | -3.9 | .6 | 2.3 | 1.6 | 4.0 | 1.5 | -3.0 | 4.5 | 4.4 | 2.5 | .8 | -.8 | .3 | 3.7 | 4.0 | 3.7 | 3.0 | 2.0 | 1.6 | 1.6 | 24 | 4.5 |
| 22 | 2.0 | 7.1 | 4.0 | -1.5 | -1.0 | 5.0 | 5.0 | 2.3 | -1.5 | 1.3 | 1.8 | 3.0 | 3.0 | 3.9 | 3.0 | 2.5 | 3.9 | 3.5 | 8.5 | 5.4 | 4.7 | 10.5 | 6.4 | 3.2 | 24 | 10.5 |
| 23 | 5.4 | 1.8 | 4.2 | 4.9 | 2.5 | 5.2 | 6.4 | 8.4 | 3.7 | 2.8 | .1 | -3.9 | -2.3 | -1.5 | -2.8 | -2.0 | -1.0 | -.6 | 2.3 | 1.5 | -.6 | 1.0 | 3.0 | 1.1 | 24 | 8.4 |
| 24 | 7.9 | 7.2 | 6.7 | 7.9 | 11.2 | 7.9 | 5.2 | 7.6 | 4.4 | AZ | BA | 4.0 | 4.4 | 2.7 | 2.5 | 3.5 | 5.2 | 5.0 | 4.2 | 6.2 | 6.2 | 5.9 | 5.7 | 9.0 | 22 | 11.2 |
| 25 | 8.8 | 7.6 | 9.0 | 11.7 | 10.0 | 12.2 | 7.2 | 15.2 | 9.8 | 16.2 | 9.5 | 7.8 | 4.5 | 8.3 | 7.6 | 6.9 | 7.8 | 10.0 | 11.3 | 11.5 | 10.3 | 12.0 | 17.3 | 9.8 | 24 | 17.3 |
| 26 | 11.7 | 14.9 | 16.4 | 14.9 | 9.2 | 9.7 | 14.9 | 16.4 | 12.5 | 14.4 | 14.9 | 7.2 | 7.6 | 9.5 | 13.7 | 14.2 | 13.7 | 11.5 | 15.7 | 9.5 | 17.3 | 16.6 | 17.1 | 6.2 | 24 | 17.3 |
| 27 | 7.8 | 8.6 | 10.5 | 6.9 | 11.2 | 7.4 | 7.6 | 7.4 | 6.2 | 5.7 | 4.4 | 6.0 | 5.7 | 12.7 | 10.8 | 10.5 | 9.1 | 7.4 | 14.9 | 15.7 | 13.5 | 9.3 | 10.8 | 9.0 | 24 | 15.7 |
| 28 | 11.2 | 7.6 | 5.7 | 4.0 | 4.9 | 6.7 | 4.0 | 2.3 | 8.3 | 4.7 | 3.5 | 6.5 | 6.2 | 5.2 | 5.0 | 3.3 | .6 | .3 | 2.8 | 3.9 | 3.7 | 2.3 | 2.3 | 3.0 | 24 | 11.2 |
| 29 | 4.0 | 5.7 | 5.2 | 8.1 | 5.2 | 1.8 | 4.5 | 7.7 | 3.2 | 7.4 | 4.7 | .3 | .6 | 3.5 | 4.5 | 3.2 | 3.5 | 5.5 | 3.2 | -.3 | 5.4 | 3.7 | 3.9 | 3.9 | 24 | 8.1 |
| 30 | 4.9 | 3.7 | 2.7 | 6.6 | 6.6 | 4.2 | 3.5 | 5.2 | 6.2 | 5.9 | 5.2 | 3.0 | 3.2 | 4.2 | 2.0 | -.3 | 2.3 | 6.2 | 2.0 | 1.8 | 5.0 | 2.8 | 1.1 | 1.6 | 24 | 6.6 |
| 31 | 1.5 | 1.0 | 3.0 | 4.0 | 2.3 | 1.5 | 2.3 | 2.8 | 3.8 | AX | BA | .6 | 1.8 | .0 | -.3 | 1.3 | 2.1 | .1 | 3.3 | 6.7 | 3.2 | .6 | .3 | -.8 | 22 | 6.7 |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 27 | 26 | 28 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 12.5 | 14.9 | 16.4 | 14.9 | 15.6 | 14.0 | 14.9 | 16.4 | 14.0 | 16.2 | 14.9 | 13.7 | 15.9 | 16.8 | 13.7 | 14.2 | 14.9 | 13.2 | 15.7 | 15.7 | 17.3 | 16.6 | 17.3 | 11.3 | | |
| AVG: | 6.12 | 6.06 | 5.44 | 5.68 | 5.79 | 5.57 | 5.76 | 6.25 | 5.66 | 6.36 | 5.70 | 4.75 | 4.89 | 5.37 | 4.71 | 4.30 | 4.72 | 4.45 | 5.79 | 5.54 | 5.99 | 5.67 | 5.50 | 4.99 | | |

MONTHLY OBSERVATIONS: 707 MONTHLY MEAN: 5.46 MONTHLY MAX: 17.3

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-123-0001 POC: 3
COUNTY: (123) Montgomery
CITY: (10120) Candor
SITE ADDRESS: 126 PERRY DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: FOREST
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.2632
LONGITUDE: -79.836613
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 173
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JUNE 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -1.0 | .3 | 2.3 | 4.0 | 4.7 | -.5 | -2.0 | 2.0 | .1 | 2.1 | 2.6 | 2.5 | 3.5 | 3.8 | 8.1 | 7.4 | 8.3 | 6.0 | 6.0 | 3.2 | 1.3 | .1 | -1.3 | -2.0 | 24 | 8.3 |
| 2 | -3.0 | .3 | 1.8 | .1 | -.1 | .1 | -1.7 | -2.7 | -1.8 | .3 | 1.6 | .6 | -.8 | .0 | 5.2 | 6.0 | 4.2 | 1.6 | 2.7 | 4.0 | 3.2 | 2.0 | .6 | -.6 | 24 | 6.0 |
| 3 | 2.3 | 2.3 | 3.9 | 8.3 | 5.7 | 3.0 | 4.9 | 9.8 | 9.1 | 7.2 | 11.0 | 9.5 | 8.6 | 9.8 | 12.0 | 9.3 | 9.3 | 6.5 | 8.6 | 8.8 | 9.3 | 5.7 | 10.7 | 7.6 | 24 | 12.0 |
| 4 | 13.2 | 10.0 | 9.8 | 7.8 | 5.4 | 7.8 | 9.8 | 8.6 | 12.0 | 8.8 | 8.6 | 9.1 | 6.5 | 5.0 | 6.7 6 | 5.1 6 | 7.9 | 9.5 | 7.2 | 11.5 | 7.2 | 6.9 | 4.4 | -.3 | 24 | 13.2 |
| 5 | 1.5 | 4.2 | 2.0 | -.1 | .1 | 2.5 | 1.5 | 2.0 | 3.7 | 3.5 | 2.3 | .6 | -.8 | 2.5 | 3.3 | .1 | -1.3 | 1.3 | -2.0 | -5.4MD | -3.0 | -1.3 | -2.8 | -3.0 | 24 | 4.2 |
| 6 | -3.2 | -3.7 | -2.0 | -.6 | -1.5 | .8 | 1.8 | -.1 | 2.5 | 3.2 | 4.5 | 3.7 | 3.0 | 2.0 | 5.2 | 2.0 | -.3 | .1 | 2.5 | 5.2 | 6.9 | 5.9 | 5.4 | 6.9 | 24 | 6.9 |
| 7 | 5.9 | 4.7 | 2.0 | 2.5 | 2.5 | 2.7 | 4.2 | 5.4 | 5.5 | 3.7 | 6.2 | 7.3 | 5.2 | 3.3 | 4.2 | 3.5 | 2.3 | 6.7 | 6.9 | 5.7 | 5.2 | 13.2 | 7.6 | 6.4 | 24 | 13.2 |
| 8 | 4.7 | 5.2 | 6.4 | 5.4 | 3.7 | 1.8 | 4.2 | 7.4 | 4.5 | 1.0 | 4.2 | 4.0 | 3.2 | 4.9 | 3.2 | 3.7 | 2.7 | 2.8 | 2.8 | 1.8 | 4.7 | 7.9 | 5.9 | 7.1 | 24 | 7.9 |
| 9 | 7.1 | 6.2 | 4.9 | 6.2 | 4.2 | 4.4 | 3.7 | 3.7 | 3.5 | 2.0 | 1.8 | .8 | 1.1 | .8 | .0 | 4.7 | 5.2 | 3.7 | 6.4 | 4.4 | 5.4 | 5.4 | 3.4 | 3.9 | 24 | 7.1 |
| 10 | 6.4 | 5.2 | 5.9 | 6.9 | 6.9 | 11.7 | 9.5 | 7.7 | 4.4 | 3.0 | 4.2 | 4.0 | 4.4 | 4.7 | 7.8 | 6.2 | 3.7 | 5.7 | 6.4 | 9.3 | 5.9 | 8.1 | 11.5 | 16.4 | 24 | 16.4 |
| 11 | 13.7 | 11.7 | 9.3 | 8.1 | 8.1 | 12.2 | 8.3 | 7.8 | 11.3 | 12.7 | 10.0 | 11.3 | 8.9 | 8.6 | 6.0 | 9.1 | 9.9 | 10.6 | 8.9 | 12.5 | 10.8 | 10.0 | 14.9 | 12.7 | 24 | 14.9 |
| 12 | 10.7 | 10.8 | 10.2 | 14.2 | 7.8 | 16.8 | 15.9 | 17.3 | 18.3 | 14.9 | 5.7 | 7.1 | 5.8 | 10.3 | 9.8 | 11.4 6 | 12.1 | 12.6 | 16.1 | 16.4 | 11.0 | 15.4 | 20.0 | 17.1 | 24 | 20.0 |
| 13 | 17.6 | 17.6 | 20.5 | 16.4 | 22.2 | 15.2 | 15.4 | 10.0 | 6.9 | 3.2 | .1 | .1 | .3 | -.8 | .3 | .8 | 1.5 | 9.3 | 7.4 | 6.9 | 4.9 | 5.9 | 4.0 | 3.7 | 24 | 22.2 |
| 14 | 5.2 | 9.5 | 7.9 | 13.0 | 12.5 | 11.5 | 12.5 | 12.5 | 17.6 | 20.0 | AX | BA | 21.0 | 15.7 | 20.0 | 19.0 | 22.2 | 14.0 | 22.2 | 16.1 | 10.0 | 8.8 | 8.1 | 8.8 | 22 | 22.2 |
| 15 | 10.7 | 8.3 | 12.3 | 8.1 | 8.6 | 8.6 | 11.5 | 6.7 | 7.8 | 9.0 | 9.5 | 10.5 | 11.5 | 11.5 | 16.6 | 12.3 | 6.2 | 4.9 | 4.2 | 2.5 | 5.7 | 4.0 | 2.8 | 1.3 | 24 | 16.6 |
| 16 | -1.5 | -2.0 | -1.7 | -1.5 | -.8 | -2.3 | -1.8 | 8.3 | 8.3 | 8.1 | 9.8 | 6.0 | 5.2 | 4.7 | 4.7 | 2.5 | 2.4 6 | 1.8 6 | 5.2 | 5.7 | 4.2 | 6.2 | 5.7 | 7.6 | 24 | 9.8 |
| 17 | 10.7 | 10.5 | 10.7 | 8.5 | 10.5 | 5.4 | 2.3 | 2.7 | 7.2 | 3.2 | .3 | 2.3 | 5.7 | 2.5 | 1.8 | 3.0 | 3.2 | 2.5 | 2.0 | .8 | -.6 | -.8 | -.1 | 2.0 | 24 | 10.7 |
| 18 | 3.9 | 2.5 | 3.0 | 2.0 | 2.2 | 3.4 | 4.7 | 2.3 | 1.8 | 3.2 | 2.5 | 1.5 | -.6 | -.3 | 1.0 | 3.0 | 4.4 | 3.7 | 1.3 | 4.6 | 4.2 | 4.7 | 3.9 | 3.7 | 24 | 4.7 |
| 19 | 2.7 | 2.3 | 4.2 | 5.4 | 5.9 | 4.4 | 3.0 | 4.2 | 2.7 | 3.9 | 4.0 | 1.5 | .8 | 2.5 | 5.9 | 4.0 | 3.0 | 2.5 | -.3 | -1.3 | .6 | 2.2 | 4.2 | 3.9 | 24 | 5.9 |
| 20 | 5.7 | 6.7 | 5.4 | 3.7 | 2.3 | 4.9 | 4.9 | 1.8 | 16.1 | 6.4 | 4.0 | 3.7 | 2.7 | 1.3 | 1.8 | 1.5 | 1.5 | 6.4 | 4.0 | 5.4 | 4.9 | 8.3 | 8.1 | 9.5 | 24 | 16.1 |
| 21 | 6.2 | 3.5 | 8.1 | 8.5 | 5.7 | 5.9 | 8.5 | 8.3 | 5.7 | 6.7 | 8.1 | 9.8 | 11.0 | 9.1 | 10.3 6 | 6.2 6 | 4.5 | 9.3 | 11.5 | 11.2 | 12.7 | 11.0 | 6.2 | 3.7 | 24 | 12.7 |
| 22 | 10.0 | 7.1 | 5.4 | 9.3 | 8.5 | 8.1 | 6.2 | 9.3 | 14.7 | 8.1 | 15.4 | 8.6 | 7.6 | 5.2 | 10.3 6 | 13.5 6 | 12.0 | 8.3 | 3.7 | 6.4 | 6.9 | 5.2 | 8.3 | 13.5 | 24 | 15.4 |
| 23 | 12.0 | 10.5 | 12.5 | 14.4 | 19.5 | 13.7 | 13.7 | 15.7 | 14.7 | 14.5 | 16.2 | 16.4 | 13.0 | 9.4 6 | 9.6 6 | 10.3 6 | 9.3 6 | 7.6 6 | 11.8 | 15.9 | 12.5 | 11.3 | 12.3 | 7.8 | 24 | 19.5 |
| 24 | 4.2 | 1.5 | .6 | 2.7 | 3.2 | 3.0 | .8 | .3 | 4.4 | 6.9 | 7.2 | 15.7 | 14.4 | 5.5 | 4.0 | 6.9 | 9.1 | 7.6 | 6.9 | 8.3 | 11.7 | 9.5 | 11.5 | 15.2 | 24 | 15.7 |
| 25 | 6.7 | 8.1 | 9.8 | 8.5 | 7.1 | 11.5 | 9.3 | 8.1 | 5.0 | 6.4 | 9.5 | 9.0 | 7.8 | 4.0 | 5.2 | 5.5 | 6.0 | 4.9 | 7.4 | 10.0 | 10.0 | 8.5 | 8.0 | 5.4 | 24 | 11.5 |
| 26 | 9.3 | 7.4 | 6.2 | 3.5 | 7.4 | 6.7 | 9.0 | 4.7 | 3.2 | 7.2 | 9.3 | 5.9 | 1.3 | 1.5 | 5.4 | 4.9 | 2.5 | 1.5 | 2.3 | 4.0 | 3.7 | 4.2 | 6.4 | 7.8 | 24 | 9.3 |
| 27 | 22.7 | 23.9 | 26.8 | 30.1 | 31.0 | 23.4 | 22.4 | 23.9 | 11.0 | 9.1 | 6.4 | 10.0 | 13.0 | 10.8 | 12.5 | 9.8 6 | 10.1 6 | 8.3 | 10.3 | 10.2 | 9.0 | 6.9 | 8.1 | 7.4 | 24 | 31.0 |
| 28 | 7.4 | 5.2 | 3.2 | 2.3 | 3.7 | 3.5 | 2.0 | 3.7 | 2.5 | 5.7 | 9.0 | 8.5 | AX | BA | -.1 | 2.8 | 5.7 | 4.0 | 11.0 | 8.3 | 7.4 | 9.0 | 9.5 | 5.7 | 22 | 11.0 |
| 29 | 7.8 | 5.4 | 5.4 | 6.2 | 6.9 | 4.7 | 8.1 | 7.8 | 7.1 | 7.2 | 5.9 | 9.8 | 6.4 | 8.5 | 9.8 | 8.3 | 10.2 | 7.2 | 6.9 | 7.1 | 4.9 | AV | 2.5 | 4.7 | 23 | 10.2 |
| 30 | 8.1 | 7.4 | 5.4 | 3.7 | 3.0 | 2.7 | 1.5 | 4.4 | 5.7 | 10.7 | 8.3 | 7.4 | 12.5 | 10.8 | 11.5 | 12.0 | 9.3 | 7.4 | 7.8 | 8.3 | 9.5 | 8.1 | 6.4 | 5.4 | 24 | 12.5 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 30 | 30 | | |
| MAX: | 22.7 | 23.9 | 26.8 | 30.1 | 31.0 | 23.4 | 22.4 | 23.9 | 18.3 | 20.0 | 16.2 | 16.4 | 21.0 | 15.7 | 20.0 | 19.0 | 22.2 | 14.0 | 22.2 | 16.4 | 12.7 | 15.4 | 20.0 | 17.1 | | |
| AVG: | 6.92 | 6.42 | 6.74 | 6.92 | 6.90 | 6.59 | 6.47 | 6.79 | 7.18 | 6.73 | 6.49 | 6.46 | 6.28 | 5.43 | 6.74 | 6.49 | 6.24 | 5.94 | 6.60 | 6.93 | 6.34 | 6.63 | 6.54 | 6.31 | | |

MONTHLY OBSERVATIONS: 715 MONTHLY MEAN: 6.55 MONTHLY MAX: 31.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-123-0001 POC: 3
COUNTY: (123) Montgomery
CITY: (10120) Candor
SITE ADDRESS: 126 PERRY DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: FOREST
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.2632
LONGITUDE: -79.836613
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 173
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JULY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.7 | 5.2 | 6.9 | 6.7 | 4.7 | 4.9 | 9.3 | 5.2 | 9.5 | 6.2 | 8.5 | 12.7 | 11.0 | 8.1 | 12.3 | 9.0 | 8.3 | 12.8 | 7.6 | 5.2 | 7.6 | 10.5 | 7.4 | 3.0 | 24 | 12.8 |
| 2 | 5.2 | 5.4 | 4.2 | 2.0 | 2.7 | 2.3 | 1.5 | 5.4 | 9.0 | 9.8 | 12.7 | 10.2 | 14.9 | 13.2 | 14.2 | 13.0 | 9.3 | 11.5 | 7.4 | 5.9 | 8.6 | 10.8 | 5.2 | 2.0 | 24 | 14.9 |
| 3 | 4.2 | 2.7 | 3.2 | 4.2 | 5.4 | 4.4 | 10.5 | 9.0 | 15.9 | 15.4 | 15.2 | 14.7 | 15.9 | 7.4 | 9.0 | 9.0 | 11.0 | 11.0 | 15.6 | 9.5 | 10.0 | 8.8 | 10.7 | 14.0 | 24 | 15.9 |
| 4 | 10.3 | 10.5 | 11.2 | 9.5 | 7.2 | 5.4 | 6.7 | 5.7 | 3.9 | 6.7 | 12.0 | 12.7 | 16.4 | 16.9 | 11.3 | 9.3 | 6.0 | 5.4 | 7.8 | 5.5 | 3.5 | 6.7 | 3.9 | 1.8 | 24 | 16.9 |
| 5 | 2.3 | .1 | 2.0 | 6.7 | 4.2 | 1.8 | 5.2 | 7.6 | 8.6 | 9.5 | 10.8 | 13.8 | 8.2 6 | 7.4 6 | 8.6 6 | 7.9 6 | 5.7 | 3.0 | -.6 | -.8 | -1.5 | -.1 | 2.8 | 2.3 | 24 | 13.8 |
| 6 | 2.0 | 3.0 | 4.0 | 3.7 | 7.4 | 5.2 | 1.5 | 4.9 | 8.6 | 5.2 | 5.0 | 7.4 | 3.7 | 3.5 | 3.2 | 2.8 | 3.7 | 1.8 | 1.3 | 6.0 | 4.2 | 4.0 | 2.3 | 2.3 | 24 | 8.6 |
| 7 | 1.5 | 1.3 | 3.7 | 2.5 | 3.0 | 3.7 | 2.3 | 1.6 | 4.4 | 4.7 | 4.7 | 3.2 | 5.2 | 3.5 | 2.1 | .6 | 1.8 | 9.0 | 4.7 | 7.8 | 5.4 | 3.2 | 3.0 | 1.5 | 24 | 9.0 |
| 8 | 1.8 | 1.8 | 4.2 | 5.7 | 2.7 | 2.2 | 2.8 | 6.2 | 4.2 | 1.1 | -.3 | 1.1 | 12.7 | 7.6 | 4.5 6 | 6.4 6 | 8.1 6 | 8.6 6 | 6.9 | 8.5 | 6.7 | 5.4 | 1.3 | 3.4 | 24 | 12.7 |
| 9 | 3.2 | -.1 | 3.4 | 8.8 | 8.3 | 5.2 | 2.3 | 2.3 | 9.8 | 5.7 | 5.5 | 9.0 | 10.5 | 8.8 | 6.9 | 4.2 6 | 2.8 6 | 2.3 | 6.7 | 4.2 | 7.6 | 6.2 | 4.7 | 5.2 | 24 | 10.5 |
| 10 | 6.9 | 5.7 | 5.7 | 5.4 | 4.2 | 6.2 | 4.4 | 8.8 | 8.3 | 5.9 | 4.2 | 4.2 | 3.3 | 3.5 | 2.3 | 5.9 | 7.6 | 7.7 | 9.3 | 8.6 | 6.2 | 2.7 | -.1 | 9.0 | 24 | 9.3 |
| 11 | 10.5 | 7.6 | 5.7 | 8.1 | 5.9 | 4.9 | 3.7 | 4.0 | 6.4 | 5.9 | 7.6 | 6.9 6 | 6.7 6 | 8.3 | 5.4 | 4.0 | 9.5 | 4.0 | -2.0 | -1.5 | -.1 | 1.5 | 5.4 | 1.5 | 24 | 10.5 |
| 12 | 2.3 | 4.9 | 9.0 | 7.6 | 4.5 | 4.2 | 2.5 | -.8 | .3 | .4 6 | AX | BA | 13.8 6 | AV | 3.0 6 | 4.7 6 | 7.0 6 | 6.2 6 | 6.0 | 8.1 | 7.9 | 9.3 | 7.7 | 8.3 | 21 | 13.8 |
| 13 | 10.0 | 8.4 | 8.6 | 7.6 | 6.2 | 5.7 | 3.3 | 8.6 | 6.0 6 | 4.2 6 | 7.6 6 | 17.9 6 | 22.7 6 | 19.5 6 | 14.0 6 | 15.7 6 | 17.6 6 | 18.6 6 | 19.1 6 | 15.2 6 | 14.2 | 16.4 | 15.2 | 13.7 | 24 | 22.7 |
| 14 | 11.0 | 15.2 | 12.5 | 15.4 | 13.5 | 9.1 | 15.7 | 9.6 6 | 21.2 | 17.4 | 10.8 | 9.3 6 | 6.9 6 | 10.8 6 | 7.6 6 | 11.8 6 | 11.8 6 | 10.5 | 8.8 | 7.4 | 7.9 | 10.3 | 10.0 | 7.4 | 24 | 21.2 |
| 15 | 10.0 | 8.5 | 9.0 | 10.5 | 9.0 | 8.8 | 4.7 | 8.3 | 6.7 | 11.0 | 8.1 | 8.4 6 | 7.4 6 | 3.7 | .3 | -.8 | -.1 | 1.3 | 4.0 | 1.0 | 1.1 | 2.5 | 2.0 | 3.0 | 24 | 11.0 |
| 16 | 2.7 | .3 | .6 | 2.7 | 1.8 | 1.1 | 3.0 | .3 | 2.5 | 4.0 | 4.0 | 5.5 | 5.7 | 5.7 | 6.0 | 7.4 | 7.4 | 5.2 | 2.5 | 1.8 | 1.0 | -1.8 | 3.0 | 2.0 | 24 | 7.4 |
| 17 | -1.0 | -.3 | -1.5 | -3.0 | -3.5 | -1.1 | -.6 | -1.8 | 1.5 | 2.0 | .8 | .6 | 3.5 | 2.3 | 1.1 6 | 3.0 6 | 5.0 6 | 4.7 6 | 6.0 | 5.4 | 3.0 | 4.9 | 3.2 | .8 | 24 | 6.0 |
| 18 | 4.5 | 4.4 | 8.8 | 6.9 | 4.2 | 3.5 | 1.8 | 3.2 | 4.5 | 3.5 | .8 | 4.5 | 4.2 | 1.6 | 1.1 6 | 1.1 6 | 2.5 6 | 2.3 | 1.8 | 2.3 | 1.5 | 3.5 | 1.5 | 5.2 | 24 | 8.8 |
| 19 | 7.4 | 3.7 | 1.5 | 1.5 | 2.5 | 2.7 | 4.0 | 6.0 | 8.6 | 7.6 | 6.0 | 6.0 | 1.1 | .4 | 5.7 6 | 5.7 6 | 5.2 6 | 3.7 6 | 1.8 | 2.7 | 7.7 | 6.2 | 6.7 | 6.4 | 24 | 8.6 |
| 20 | 2.7 | 1.5 | 3.0 | 4.4 | 3.2 | 1.5 | .1 | .6 | .6 | -.8 | .3 | 5.5 | 4.7 | 5.7 | 4.5 | 2.5 | 6.4 | 11.0 | 5.9 | 7.2 | 10.8 | 9.2 | 6.7 | 7.2 | 24 | 11.0 |
| 21 | 6.4 | 5.4 | 7.8 | 8.3 | 9.8 | 9.5 | 10.7 | 8.3 | 7.8 | 7.8 | 6.5 | 9.5 | 7.6 | 10.0 | 7.8 6 | 9.1 6 | 12.3 6 | 16.6 | 10.3 | 10.7 | 9.7 | 7.4 | 6.4 | 11.0 | 24 | 16.6 |
| 22 | 10.2 | 6.9 | 5.9 | 9.5 | 10.7 | 9.8 | 8.1 | 14.9 | 8.1 | 6.5 | 5.4 | 4.2 | 3.0 | 9.8 | 7.8 | 7.8 6 | 6.9 | 7.6 | 3.9 | 4.4 | 4.4 | 3.5 | 2.5 | 1.0 | 24 | 14.9 |
| 23 | 1.3 | 4.7 | 7.4 | 5.7 | 8.5 | 6.9 | 6.7 | 6.9 | 6.4 | 9.0 | 6.9 | 9.5 | 6.2 | 3.0 | 6.2 6 | 7.6 6 | 4.7 6 | 5.7 | 5.2 | 1.6 | 7.2 | 6.9 | 4.4 | 10.2 | 24 | 10.2 |
| 24 | 10.5 | 6.4 | 6.9 | 5.7 | 6.6 | 9.5 | 9.1 | 10.5 | 11.2 | 8.3 | 7.8 | 5.5 | 3.0 | 2.8 6 | 3.7 6 | 7.6 6 | 9.3 6 | 6.0 6 | 4.0 | 5.2 | 5.9 | 4.5 | 7.4 | 5.0 | 24 | 11.2 |
| 25 | 7.6 | 9.8 | 13.7 | 9.0 | 6.7 | 11.7 | 6.4 | 13.2 | 8.6 | 5.0 | 5.7 | 10.5 | 8.5 | 9.0 6 | 6.7 6 | 6.7 6 | 9.8 6 | 8.5 | 6.2 | 6.4 | 7.1 | 8.1 | 8.8 | 10.2 | 24 | 13.7 |
| 26 | 5.9 | 2.5 | 10.0 | 5.9 | 6.2 | 5.2 | 3.0 | 4.2 | 5.4 | 2.8 | AX | BA | 10.0 6 | 10.3 6 | 7.4 6 | 11.3 6 | 10.8 6 | 5.9 | 10.3 | 8.8 | 15.6 | 9.8 | 5.4 | 9.5 | 22 | 15.6 |
| 27 | 16.4 | 13.5 | 15.4 | 11.8 | 10.7 | 9.0 | 7.8 | 13.2 | 10.8 | 15.7 | 7.6 | 7.8 6 | 12.0 6 | 8.8 6 | 8.6 6 | 4.5 6 | 2.3 6 | 10.8 6 | 8.3 6 | 9.3 | 8.1 | 7.8 | 8.1 | 7.2 | 24 | 16.4 |
| 28 | 10.3 | 10.5 | 5.9 | 5.7 | 9.0 | 5.4 | 8.1 | 7.2 | 5.2 | 5.5 | 6.9 | 7.4 6 | 7.6 6 | 5.2 6 | 5.0 6 | 4.0 6 | 11.3 6 | 9.1 6 | 10.3 6 | 8.8 | 8.1 | 10.0 | 11.0 | 8.3 | 24 | 11.3 |
| 29 | 12.3 | 9.0 | 10.8 | 8.8 | 9.0 | 11.7 | 9.3 | 6.9 | 3.3 | .6 | -2.3 | -4.0 | -4.4 6 | -2.3 6 | 1.3 6 | .1 6 | -1.3 6 | -.5 6 | .8 6 | 2.3 | 2.7 | 4.7 | 4.9 | 7.1 | 24 | 12.3 |
| 30 | 8.6 | 7.1 | 5.2 | 5.7 | 4.7 | 4.2 | 9.3 | 7.1 | 5.4 | 6.2 | 4.5 | 9.4 6 | 7.9 6 | 8.7 6 | 7.9 6 | 5.5 6 | 6.2 6 | 6.4 | 8.9 | 8.1 | 5.9 | 8.4 | 9.1 | 10.0 | 24 | 10.0 |
| 31 | 8.3 | 9.0 | 5.7 | 7.8 | 12.2 | 7.2 | 6.7 | 10.3 | 8.4 | 9.6 | 11.8 | 6.2 6 | 2.8 6 | 7.4 6 | 7.7 | 6.5 6 | 10.3 | 11.1 | 7.9 | 7.2 | 5.3 | 2.8 | 11.0 | 7.6 | 24 | 12.2 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 29 | 31 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 16.4 | 15.2 | 15.4 | 15.4 | 13.5 | 11.7 | 15.7 | 14.9 | 21.2 | 17.4 | 15.2 | 17.9 | 22.7 | 19.5 | 14.2 | 15.7 | 17.6 | 18.6 | 19.1 | 15.2 | 15.6 | 16.4 | 15.2 | 14.0 | | |
| AVG: | 6.48 | 5.63 | 6.46 | 6.48 | 6.17 | 5.54 | 5.48 | 6.37 | 7.13 | 6.53 | 6.38 | 7.57 | 7.83 | 7.02 | 6.23 | 6.25 | 7.07 | 7.35 | 6.35 | 5.90 | 6.24 | 6.26 | 5.86 | 6.04 | | |

MONTHLY OBSERVATIONS: 739 MONTHLY MEAN: 6.44 MONTHLY MAX: 22.7

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-123-0001 POC: 3
COUNTY: (123) Montgomery
CITY: (10120) Candor
SITE ADDRESS: 126 PERRY DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: FOREST
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.2632
LONGITUDE: -79.836613
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 173
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: AUGUST 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.1 | 9.1 | 5.8 | 1.6 | 2.1 | 5.2 | 4.5 | 4.0 | 7.9 | 8.8 | 8.0 | 10.1 | 8.0 | 9.9 6 | 10.1 6 | 8.0 | 8.0 | 4.5 | 5.8 | 7.2 | 7.0 | 8.7 | 6.9 | 4.0 | 24 | 10.1 |
| 2 | 8.1 | 6.7 | 4.5 | 1.8 | 3.5 | 3.8 | 4.0 | 3.8 | 3.0 | 4.8 | 5.8 | 7.5 | 9.2 | 9.7 | 5.8 6 | 7.2 6 | 6.7 6 | 11.4 | 9.6 | 5.2 | 6.0 | 4.1 | 3.6 | 3.8 | 24 | 11.4 |
| 3 | .9 | .7 | 2.6 | 3.6 | 4.1 | 9.4 | 7.5 | 4.6 | 1.6 | 3.8 | 9.6 | 10.6 | 8.6 | 5.5 | 4.8 | 8.4 | 10.6 | 7.4 | 6.3 | 6.3 | 3.1 | 6.0 | 4.3 | 5.2 | 24 | 10.6 |
| 4 | 5.5 | 3.8 | 3.8 | 3.8 | .6 | 1.1 | 3.0 | 3.8 | 3.0 | 3.3 | 7.0 | 5.5 | 5.5 | 4.5 | 4.3 | 5.0 | 7.9 | 6.7 | 5.7 | 5.7 | 5.3 | 3.8 | 3.5 | 6.3 | 24 | 7.9 |
| 5 | 4.8 | 5.0 | 3.3 | 3.3 | 1.1 | 5.3 | 4.3 | 2.6 | 4.8 | 9.6 | 11.8 | 9.3 | 7.0 | 5.5 | 3.5 6 | 3.3 | 5.5 | 4.5 | 2.8 | 4.8 | 3.8 | 2.3 | 3.3 | 3.0 | 24 | 11.8 |
| 6 | 3.1 | 1.1 | -.6 | .9 | 4.3 | 5.0 | 7.9 | 7.0 | 11.1 | 10.1 | 13.1 | 10.3 | 6.5 6 | 4.8 6 | 6.0 6 | 9.6 6 | 9.4 6 | 7.0 6 | 7.6 | 10.6 | 11.8 | 8.9 | 9.6 | 9.3 | 24 | 13.1 |
| 7 | 9.8 | 7.7 | 5.5 | 6.0 | 3.8 | 11.1 | 9.3 | 8.9 | 8.9 | 7.0 | 11.6 | 15.0 | 15.2 6 | 11.6 | 7.2 | 6.0 | 9.8 | 5.3 | 1.8 | 5.2 | 7.0 | 6.5 | 4.7 | 4.3 | 24 | 15.2 |
| 8 | 6.2 | 5.8 | 5.0 | 4.7 | 3.8 | 8.4 | 6.5 | 9.3 | 7.7 | 6.3 | 6.7 | 5.0 | 4.5 | 5.3 | 4.0 | 4.8 | 7.5 | 8.4 | 8.4 | 6.7 | 5.8 | 4.5 | 6.0 | 4.3 | 24 | 9.3 |
| 9 | 3.3 | 2.8 | 2.1 | 3.0 | 5.2 | 10.3 | 6.3 | 3.3 | 3.8 | 5.5 | AZ | BA | 1.6 2 | 3.8 2 | 4.0 2 | 5.0 2 | 7.9 2 | 5.5 2 | 4.5 2 | 3.5 2 | 1.4 2 | 1.8 2 | 1.8 2 | -.1 2 | 22 | 10.3 |
| 10 | .6 2 | .6 2 | -.9 2 | -2.8 2 | -.8 2 | 3.3 2 | 3.3 2 | 1.1 2 | 1.3 2 | 2.8 2 | 3.1 2 | 7.0 2 | 5.7 2 | 6.5 2 | 9.6 2 | 11.0 2 | 8.1 2 | 5.5 2 | 4.5 2 | 3.0 2 | 1.6 2 | .4 2 | 5.0 2 | 3.3 2 | 24 | 11.0 |
| 11 | -.1 2 | -.6 2 | 1.6 2 | 4.2 2 | 1.6 2 | -.9 2 | .8 2 | 7.0 2 | 11.1 2 | 7.7 2 | 6.0 2 | 5.5 2 | 5.2 2 | 4.5 2 | 10.6 2 | 7.2 2 | 8.4 2 | 5.2 2 | 7.2 2 | 6.2 2 | 4.8 2 | 7.4 2 | 6.7 2 | 4.7 2 | 24 | 11.1 |
| 12 | 4.0 2 | 2.0 2 | 1.8 2 | .4 2 | .6 2 | 2.5 2 | 1.3 2 | .3 2 | 3.3 2 | 2.8 2 | .8 2 | 2.1 2 | .8 2 | .1 2 | 1.1 2 | 1.3 2 | 5.8 2 | 3.5 2 | 1.3 2 | 8.1 2 | 7.6 2 | 6.2 2 | 4.7 2 | 5.2 2 | 24 | 8.1 |
| 13 | 4.2 2 | 3.5 2 | .8 2 | 2.5 2 | 3.5 2 | 2.5 2 | 3.8 2 | 3.0 2 | 1.6 2 | 6.2 2 | 6.2 2 | 8.3 2 | 8.6 2 | 6.5 2 | 5.0 2 | 6.0 2 | 7.7 2 | 6.5 2 | 5.0 2 | 5.0 2 | 4.5 2 | 8.8 2 | 9.3 2 | 9.1 2 | 24 | 9.3 |
| 14 | 4.7 2 | 1.8 2 | 6.7 2 | 6.7 2 | 7.7 2 | 5.2 2 | 4.7 2 | 5.2 2 | 6.0 2 | 5.0 2 | 5.2 2 | 6.7 2 | 4.7 2 | 6.7 2 | 4.0 2 | 7.0 2 | 6.2 2 | 6.7 2 | 3.3 2 | .9 2 | 1.8 2 | 2.1 2 | 7.0 2 | 6.5 2 | 24 | 7.7 |
| 15 | 6.0 2 | 4.5 2 | 5.5 2 | 5.4 2 | 6.0 2 | 4.5 2 | 5.0 2 | 4.5 2 | 8.1 2 | 7.9 2 | 8.2 2 | 6.0 2 | 6.2 2 | 6.2 2 | 5.5 2 | 4.5 2 | 9.6 2 | 6.7 2 | 6.2 2 | 7.9 2 | 6.2 2 | 8.3 2 | 7.4 2 | 6.2 2 | 24 | 9.6 |
| 16 | 7.0 2 | 5.5 2 | 2.5 2 | 3.0 2 | 1.3 2 | 5.2 2 | 4.2 2 | 4.0 2 | 6.2 2 | 5.0 2 | 2.8 2 | 4.3 2 | 3.3 2 | 3.5 2 | 3.3 2 | 2.1 2 | 1.8 2 | 1.4 2 | 2.8 2 | 2.5 2 | 4.5 2 | 4.0 2 | 5.0 2 | 2.1 2 | 24 | 7.0 |
| 17 | 2.3 2 | 5.0 2 | 5.5 2 | 3.0 2 | -.1 2 | .8 2 | 3.8 2 | 2.3 2 | 4.5 2 | 9.8 2 | 6.0 2 | 2.3 2 | 4.5 2 | 3.3 2 | 4.8 2 | 10.1 2 | 9.1 2 | 5.0 2 | 9.1 2 | 5.5 2 | 8.3 2 | 6.7 2 | 3.0 2 | 5.7 2 | 24 | 10.1 |
| 18 | 5.2 2 | 4.0 2 | 5.5 2 | 5.2 2 | 5.2 2 | 7.4 2 | 8.3 2 | 8.6 2 | 9.8 2 | 7.7 2 | 4.7 2 | 2.8 2 | 2.1 2 | 1.3 2 | 2.1 2 | 1.6 2 | 3.8 2 | 3.5 2 | 5.5 2 | 8.8 2 | 6.2 2 | 14.3 2 | 7.9 2 | 9.1 2 | 24 | 14.3 |
| 19 | 6.7 2 | 3.5 2 | 4.7 2 | 3.7 2 | 2.6 2 | 3.0 2 | 1.8 2 | 3.3 2 | 4.2 2 | 43.8 2 | 7.4 2 | 4.8 2 | 8.2 2 | 6.7 2 | 12.6 2 | 8.0 2 | 6.9 2 | 4.5 2 | 7.5 2 | 9.6 2 | 8.6 2 | 7.0 2 | 5.0 2 | 3.0 2 | 24 | 43.8 |
| 20 | 2.1 2 | -2.1 2 | .8 2 | 3.0 2 | 1.3 2 | 1.1 2 | 1.3 2 | 7.0 2 | 7.0 2 | 4.3 2 | 3.0 2 | 4.7 2 | 7.2 2 | 7.0 2 | 8.8 2 | 7.7 2 | 4.3 2 | 6.2 2 | 6.5 2 | 4.7 2 | 5.2 2 | 5.0 2 | 1.3 2 | 1.6 2 | 24 | 8.8 |
| 21 | 2.3 2 | 4.7 2 | 2.1 2 | 1.1 2 | 1.6 2 | 6.0 2 | 6.7 2 | 7.2 2 | 9.6 2 | 10.3 2 | 8.4 2 | 5.0 2 | 4.5 2 | 8.4 2 | 6.5 2 | 10.3 2 | 7.5 2 | 8.4 2 | 5.2 2 | 4.7 2 | 1.8 2 | 2.8 2 | 3.7 2 | 2.5 2 | 24 | 10.3 |
| 22 | 4.2 2 | 2.3 2 | 5.0 2 | 4.0 2 | .1 2 | 2.5 2 | 7.4 2 | 7.2 2 | 6.9 2 | 5.5 2 | 8.4 2 | 5.5 2 | 5.2 2 | 6.2 2 | 15.7 2 | 34.0 2 | 28.4 2 | 11.5 2 | 11.3 2 | 8.6 2 | 6.7 2 | 4.0 2 | 2.5 2 | 3.5 2 | 24 | 34.0 |
| 23 | 7.4 2 | 9.7 2 | 6.9 2 | 6.2 2 | 7.7 2 | 6.2 2 | 5.4 2 | 4.7 2 | 4.0 2 | 4.0 2 | AX | BA | 4.7 2 | 4.0 2 | 6.7 2 | 5.5 2 | 3.8 2 | 6.5 2 | 7.7 2 | 4.0 2 | 8.8 2 | 8.8 2 | 7.2 2 | 11.3 2 | 22 | 11.3 |
| 24 | 14.0 2 | 9.8 2 | 6.0 2 | 7.7 2 | 9.8 2 | 8.8 2 | 8.8 2 | 4.2 2 | -.1 2 | 3.3 2 | 5.2 2 | 5.5 2 | 7.2 2 | 9.3 2 | 9.3 2 | 17.6 2 | 18.8 2 | 14.5 2 | 6.2 2 | 6.9 2 | 9.8 2 | 10.5 2 | 11.5 2 | 9.8 2 | 24 | 18.8 |
| 25 | 12.7 2 | 11.3 2 | 8.6 2 | 8.6 2 | 10.0 2 | 12.7 2 | 10.8 2 | 7.2 2 | 7.9 2 | 8.8 2 | 14.0 2 | 11.8 2 | 7.7 2 | 8.2 2 | 9.8 2 | 8.2 2 | 13.0 2 | 13.3 2 | 13.8 2 | 12.8 2 | 12.5 2 | 10.3 2 | 10.8 2 | 20.0 2 | 24 | 20.0 |
| 26 | 11.8 2 | 10.0 2 | 6.0 2 | 5.7 2 | 12.3 2 | 12.5 2 | 11.5 2 | 14.0 2 | 19.8 2 | 22.0 2 | 13.3 2 | 12.5 2 | 9.8 2 | 13.8 2 | 8.6 2 | 6.5 2 | 13.5 2 | 13.5 2 | 8.6 2 | 13.7 2 | 10.8 2 | 13.3 2 | 12.5 2 | 12.0 2 | 24 | 22.0 |
| 27 | 10.5 2 | 10.0 2 | 8.1 2 | 10.5 2 | 9.3 2 | 10.0 2 | 11.0 2 | 12.5 2 | 14.0 2 | 15.0 2 | 15.0 2 | 12.1 2 | 11.8 2 | 14.0 2 | 13.0 2 | 13.0 2 | 8.2 2 | 8.3 2 | 10.3 2 | 7.8 2 | 5.7 2 | 8.1 2 | 9.8 2 | 9.1 2 | 24 | 15.0 |
| 28 | 8.1 2 | 11.5 2 | 7.2 2 | 12.0 2 | 13.0 2 | 10.8 2 | 19.2 2 | 15.7 2 | 15.0 2 | 11.3 2 | 10.0 2 | 8.2 2 | 6.0 2 | 8.2 2 | 9.8 2 | 6.0 2 | 10.3 2 | 8.9 2 | 10.5 2 | 8.3 2 | 13.2 2 | 6.7 2 | 15.9 2 | 9.6 2 | 24 | 19.2 |
| 29 | 9.1 2 | 14.0 2 | 10.1 2 | 9.8 2 | 10.5 2 | 11.0 2 | 9.3 2 | 13.7 2 | 9.8 2 | 6.5 2 | 5.5 2 | 6.7 2 | 13.3 2 | 9.8 2 | 8.2 2 | 5.5 2 | 5.7 2 | 7.4 2 | 11.0 2 | 10.5 2 | 8.6 2 | 7.2 2 | 6.2 2 | 5.0 2 | 24 | 14.0 |
| 30 | 8.6 2 | 9.3 2 | 6.9 2 | 9.6 2 | 9.3 2 | 12.3 2 | 10.8 2 | 11.0 2 | 13.0 2 | 11.3 2 | 11.5 2 | 12.5 2 | 8.4 2 | 8.2 2 | 10.8 2 | 7.2 2 | 7.4 2 | 13.3 2 | 13.7 2 | 11.0 2 | 16.9 2 | 16.1 2 | 12.0 2 | 11.3 2 | 24 | 16.9 |
| 31 | 13.0 2 | 12.8 2 | 16.4 2 | 7.4 2 | 6.7 2 | 9.3 2 | 14.7 2 | 4.2 2 | 13.0 2 | 11.3 2 | 7.2 2 | 5.7 2 | 8.2 2 | 7.0 2 | 11.0 2 | 7.7 2 | 12.3 2 | 9.1 2 | 4.7 2 | 9.8 2 | 8.6 2 | 3.7 2 | 1.1 2 | 2.5 2 | 24 | 16.4 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 14.0 | 14.0 | 16.4 | 12.0 | 13.0 | 12.7 | 19.2 | 15.7 | 19.8 | 43.8 | 15.0 | 15.0 | 15.2 | 14.0 | 15.7 | 34.0 | 28.4 | 14.5 | 13.8 | 13.7 | 16.9 | 16.1 | 15.9 | 20.0 | | |
| AVG: | 6.30 | 5.67 | 4.83 | 4.70 | 4.76 | 6.33 | 6.68 | 6.30 | 7.35 | 8.76 | 7.78 | 7.36 | 6.75 | 6.77 | 7.31 | 7.91 | 8.84 | 7.42 | 6.92 | 6.95 | 6.90 | 6.72 | 6.43 | 6.23 | | |

MONTHLY OBSERVATIONS: 740 MONTHLY MEAN: 6.74 MONTHLY MAX: 43.8

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-123-0001 POC: 3
COUNTY: (123) Montgomery
CITY: (10120) Candor
SITE ADDRESS: 126 PERRY DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: FOREST
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.2632
LONGITUDE: -79.836613
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 173
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: SEPTEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.0 | 7.0 | 4.5 | 2.1 | 1.3 | 2.8 | 3.7 | 8.8 | 6.0 | 3.5 | 5.5 | 6.7 | 6.5 | 4.8 | 8.2 | 17.1 | 39.7 | 10.5 | 6.5 | 17.6 | 13.7 | 9.8 | 9.3 | 8.1 | 24 | 39.7 |
| 2 | 10.3 | 10.3 | 20.3 | 19.0 | 11.8 | 17.4 | 11.5 | 6.2 | 1.8 | 3.3 | 6.9 | 9.6 | 8.1 | 5.0 | 7.2 | 7.9 | 7.2 | 5.0 | 5.7 | 7.4 | 6.0 | 6.0 | 3.7 | .3 | 24 | 20.3 |
| 3 | 6.0 | 6.7 | 2.8 | 2.3 | 3.5 | 6.9 | 6.2 | 4.2 | 2.0 | 3.0 | 4.0 | 3.3 | 4.2 | 6.2 | 4.0 | 5.7 | 4.0 | 2.3 | 5.7 | 7.0 | 8.1 | 4.5 | 10.1 | 6.0 | 24 | 10.1 |
| 4 | 2.5 | 4.0 | 6.0 | 4.0 | 4.2 | 2.0 | 3.5 | 3.2 | 7.2 | 4.2 | 4.7 | 5.0 | 2.3 | 4.0 | 4.7 | 5.0 | 6.5 | 4.2 | 5.7 | 4.4 | 14.9 | 10.5 | 6.4 | 6.9 | 24 | 14.9 |
| 5 | 6.9 | 8.4 | 8.6 | 6.0 | 8.2 | 7.9 | 7.9 | 8.4 | 8.5 | 7.4 | 6.7 | 4.7 | 5.5 | 6.2 | 4.7 | 6.2 | 5.2 | 6.7 | 4.0 | 4.7 | 8.2 | 5.0 | 6.2 | 4.7 | 24 | 8.6 |
| 6 | 6.2 | 8.1 | 6.7 | 11.5 | 11.0 | 6.9 | 11.8 | 12.3 | 13.7 | AX | BA | 2.6 | .6 | 2.6 | 2.8 | 1.8 | 2.5 | 4.2 | 5.0 | 5.2 | 7.2 | 4.0 | 3.5 | 4.5 | 22 | 13.7 |
| 7 | 6.7 | 7.7 | 8.6 | 8.4 | 13.3 | 7.4 | 7.9 | 9.8 | 9.5 | 13.5 | 9.6 | 7.4 | 4.0 | 2.8 | 5.2 6 | 3.5 6 | 9.3 6 | 6.7 | 3.7 | 6.0 | 6.5 | 10.8 | 7.9 | 9.6 | 24 | 13.5 |
| 8 | 6.5 | 15.2 | 10.0 | 10.8 | 13.7 | 10.5 | 13.2 | 9.3 | 17.4 | 14.5 | 15.0 | 9.3 | 7.9 | 6.2 | 7.2 6 | 6.9 6 | 6.0 6 | 5.7 | 4.2 | 17.1 | 10.8 | 10.3 | 15.2 | 10.3 | 24 | 17.4 |
| 9 | 11.3 | 12.3 | 9.8 | 11.3 | 11.5 | 8.6 | 13.0 | 11.3 | 12.5 | 15.4 | 12.5 | 15.7 | 14.7 | 9.3 | 10.3 | 7.9 6 | 15.0 | 12.5 | 14.7 | 13.5 | 14.9 | 17.4 | 15.2 | 15.2 | 24 | 17.4 |
| 10 | 11.0 | 13.8 | 14.2 | 12.0 | 11.3 | 14.7 | 9.1 | 8.6 | 11.5 | 13.3 | 11.8 | 10.8 | 12.0 | 10.6 | 10.6 6 | 10.8 6 | 10.8 | 15.7 | 15.7 | 13.0 | 8.6 | 16.9 | 16.6 | 15.2 | 24 | 16.9 |
| 11 | 19.0 | 13.5 | 12.5 | 17.6 | 8.1 | 13.0 | 16.4 | 12.8 | 14.2 | 15.4 | 15.7 | 6.7 | 8.4 | 4.8 | 4.5 | 2.8 | 6.2 | 3.8 | 2.5 | 4.2 | 8.1 | 9.1 | 8.6 | 5.7 | 24 | 19.0 |
| 12 | 4.2 | 8.6 | 6.2 | 10.8 | 8.3 | 10.3 | 8.6 | 10.0 | 10.8 | 8.8 | 8.4 | 6.2 | 7.2 | 7.9 | 6.0 | 4.5 | 5.0 | 10.8 | 11.8 | 12.5 | 11.5 | 10.1 | 7.5 | 8.1 | 24 | 12.5 |
| 13 | 10.3 | 8.1 | 9.3 | 7.7 | 7.7 | 6.5 | 8.3 | 5.0 | 3.5 | 4.7 | 7.2 | 6.5 | 6.0 | 6.2 | 10.5 | 6.0 | 6.0 | 9.3 | 5.5 | 4.9 | 5.5 | 4.5 | 4.2 | 6.2 | 24 | 10.5 |
| 14 | 4.0 | 2.3 | 1.8 | 1.0 | -.2 | 3.5 | 3.2 | 3.9 | 2.8 | .6 | 1.1 | 1.6 | 4.0 | 2.5 | 3.3 | 4.5 | 4.0 | 5.7 | 4.0 | 11.5 | 6.7 | 6.7 | 3.5 | .1 | 24 | 11.5 |
| 15 | .8 | 4.5 | 6.0 | 5.7 | 8.3 | 6.7 | 1.6 | 4.7 | 3.5 | 5.7 | 6.5 | 3.8 | 21.3 | 5.2 | 8.2 | 10.8 | 7.9 | 6.2 | 7.0 | 8.6 | 10.8 | 11.3 | 9.1 | 12.5 | 24 | 21.3 |
| 16 | 11.5 | 10.3 | 11.3 | 9.8 | 6.4 | 7.9 | 6.0 | 8.8 | 7.1 | 5.7 | 9.1 | 7.2 | 3.8 | 8.7 | 4.7 | 5.2 | 7.7 | 6.5 | 6.2 | 9.8 | 9.1 | 7.9 | 5.2 | 8.8 | 24 | 11.5 |
| 17 | 6.7 | 5.7 | 4.7 | 2.8 | 1.8 | 2.8 | 4.0 | 4.2 | 2.8 | 2.1 | 7.7 | 6.2 | 4.5 | 4.5 | 2.8 | 1.1 | 6.0 | 5.5 | 3.7 | 6.5 | 4.7 | 2.3 | 6.0 | 4.5 | 24 | 7.7 |
| 18 | 3.0 | 5.5 | 2.3 | 2.8 | 3.0 | 7.2 | 5.4 | 2.8 | 1.3 | 1.3 | -.9 | -3.5 | -.9 | .1 | -1.1 | .4 | 1.1 | 1.8 | -.6 | -1.8 | -.1 | .4 | .8 | -.4 | 24 | 7.2 |
| 19 | 2.5 | 1.6 | .6 | .6 | -1.6 | -.9 | .8 | .6 | -1.1 | -2.8 | -1.3 | .6 | 1.3 | -1.1 | -2.8 | 1.6 | 2.6 | 3.8 | 1.8 | .6 | 1.6 | 1.3 | 2.1 | .3 | 24 | 3.8 |
| 20 | -1.1 | -.1 | -.1 | 3.5 | 1.3 | -.9 | .6 | .3 | -.6 | -.9 | AX | BA | 4.7 | 2.3 | .6 | 3.3 | 2.1 | 3.5 | 4.2 | 7.9 | 6.2 | 3.5 | 5.5 | 4.0 | 22 | 7.9 |
| 21 | 3.5 | 8.6 | 4.7 | 3.0 | 2.8 | .1 | 4.2 | 3.0 | 2.6 | 2.3 | -.1 | -.2 | .4 | -.4 | -2.8 | -1.6 | .3 | -2.6 | -1.6 | 1.1 | -.1 | -.9 | .1 | 1.6 | 24 | 8.6 |
| 22 | -1.1 | -1.4 | 2.5 | 2.3 | .1 | -.4 | -2.6 | -4.9 | -2.1 | .4 | .4 | 1.8 | 2.1 | .1 | 1.1 | 1.1 | .1 | 1.3 | .8 | -.1 | -.4 | 2.0 | .8 | .6 | 24 | 2.5 |
| 23 | .8 | 2.6 | 2.5 | -.1 | .1 | 2.5 | 3.2 | 1.3 | .6 | 3.0 | 2.3 | 4.5 | 3.0 | 1.1 | 5.0 | 4.7 | 2.6 | 3.0 | 3.5 | 2.0 | -.1 | 1.5 | 4.5 | 4.0 | 24 | 5.0 |
| 24 | 1.8 | 2.8 | 3.3 | 4.0 | 13.7 | 12.2 | 8.1 | 4.5 | 5.5 | 5.7 | 8.8 | 5.7 | 2.8 | 2.1 | 6.7 | 9.8 | 10.1 | 12.5 | 14.7 | 12.3 | 13.3 | 9.6 | 8.2 | 8.6 | 24 | 14.7 |
| 25 | 9.8 | 10.5 | 8.6 | 12.5 | 12.3 | 11.0 | 15.0 | 12.5 | 16.7 | 15.9 | 17.3 | 12.0 | 13.5 | 9.6 | 11.3 | 11.5 | 13.5 | 14.0 | 12.5 | 11.5 | 10.0 | 8.6 | 8.6 | 6.0 | 24 | 17.3 |
| 26 | 3.8 | 6.0 | 5.2 | 2.5 | 3.0 | 2.8 | 2.8 | 5.5 | 3.5 | 3.3 | 3.5 | 2.6 | 4.0 | 4.5 | 7.7 | 9.3 | 7.4 | 14.5 | 5.2 | 9.1 | 9.3 | 7.7 | 6.5 | 1.1 | 24 | 14.5 |
| 27 | -.7 | 2.8 | -.1 | -2.3 | -2.1 | -1.3 | -3.5 | -2.6 | 1.6 | 1.8 | 1.8 | 9.1 | 7.7 | 8.8 | 7.4 | 8.2 | 7.9 | 6.9 | 6.7 | 8.1 | 5.7 | 3.0 | 3.5 | 1.8 | 24 | 9.1 |
| 28 | .3 | -.6 | .6 | 1.3 | 3.0 | 1.3 | -.2 | 1.3 | 7.7 | 8.2 | 5.0 | 3.3 | 4.3 | 5.5 | 6.0 | 13.5 | 7.4 | 4.7 | 7.2 | 4.7 | 2.6 | 6.0 6 | 4.0 6 | 4.0 6 | 24 | 13.5 |
| 29 | 4.0 6 | 2.0 6 | 3.0 6 | 2.0 6 | 3.0 6 | 2.0 6 | 1.0 6 | 5.0 6 | 4.0 6 | 3.0 6 | 4.0 6 | 4.0 6 | 6.0 6 | 3.0 6 | 3.0 6 | 2.0 6 | 3.0 6 | 4.0 6 | 3.0 6 | 2.0 6 | 3.0 6 | 3.0 6 | 2.0 6 | 5.0 6 | 24 | 6.0 |
| 30 | 4.0 6 | 5.0 6 | 6.0 6 | 12.0 6 | 12.0 6 | 11.0 6 | 12.0 6 | 10.0 6 | 12.0 6 | 13.0 6 | 15.0 6 | 7.0 6 | 8.0 6 | 7.0 6 | 9.0 6 | 8.0 6 | 7.0 6 | 7.0 6 | 8.0 6 | 7.0 6 | 6.0 6 | 7.0 6 | 11.0 6 | 11.0 6 | 24 | 15.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 19.0 | 15.2 | 20.3 | 19.0 | 13.7 | 17.4 | 16.4 | 12.8 | 17.4 | 15.9 | 17.3 | 15.7 | 21.3 | 10.6 | 11.3 | 17.1 | 39.7 | 15.7 | 15.7 | 17.6 | 14.9 | 17.4 | 16.6 | 15.2 | | |
| AVG: | 5.28 | 6.39 | 6.08 | 6.23 | 6.03 | 6.08 | 6.09 | 5.69 | 6.22 | 6.04 | 6.72 | 5.52 | 5.93 | 4.67 | 5.20 | 5.98 | 7.14 | 6.52 | 5.90 | 7.28 | 7.08 | 6.66 | 6.53 | 5.81 | | |

MONTHLY OBSERVATIONS: 716 MONTHLY MEAN: 6.13 MONTHLY MAX: 39.7

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-123-0001 POC: 3
COUNTY: (123) Montgomery
CITY: (10120) Candor
SITE ADDRESS: 126 PERRY DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: FOREST
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.2632
LONGITUDE: -79.836613
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 173
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: OCTOBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12.0 6 | 7.0 6 | 5.0 6 | 6.0 6 | 6.0 6 | 6.0 6 | 7.0 6 | 7.0 6 | 5.0 6 | 5.0 6 | 6.0 6 | 4.0 6 | 5.0 6 | 6.0 6 | 4.0 6 | 2.0 6 | 4.0 6 | 12.0 6 | 10.0 6 | 8.0 6 | 6.0 6 | 5.0 6 | 4.0 6 | 10.0 6 | 24 | 12.0 |
| 2 | 9.0 6 | 7.0 6 | 7.0 6 | 12.0 6 | 9.0 6 | 9.0 6 | 7.0 6 | 7.0 6 | 10.0 6 | 9.0 6 | 5.0 6 | 5.0 6 | 3.0 6 | 2.0 6 | 2.0 6 | 3.0 6 | 4.0 6 | 2.0 6 | 5.0 6 | 4.0 6 | 9.0 6 | 6.0 6 | 6.0 6 | 7.0 6 | 24 | 12.0 |
| 3 | 6.0 6 | 5.0 6 | 3.0 6 | 6.0 6 | 6.0 6 | 7.0 6 | 7.0 6 | 6.0 6 | 8.0 6 | 11.0 6 | 9.0 6 | 8.0 6 | 6.0 6 | 5.0 6 | 4.0 6 | 3.0 6 | 6.0 6 | 6.0 6 | 7.0 6 | 6.0 6 | 2.0 6 | .0 6 | 3.0 6 | 12.0 6 | 24 | 12.0 |
| 4 | 8.0 6 | 7.0 6 | 6.0 6 | 4.0 6 | 6.0 6 | 7.0 6 | 10.0 6 | 8.0 6 | 10.0 6 | 6.0 6 | 6.0 6 | 4.0 6 | AX | BA | 3.0 6 | 3.0 6 | 6.0 6 | 8.0 6 | 5.0 6 | 3.0 6 | 4.0 6 | 8.0 6 | 7.0 6 | 6.0 6 | 22 | 10.0 |
| 5 | 6.0 6 | 4.0 6 | 1.0 6 | 3.0 6 | 3.0 6 | 3.0 6 | 3.0 6 | 3.0 6 | 2.0 6 | 3.0 6 | 4.0 6 | 4.0 6 | 8.0 6 | 11.0 6 | 6.0 6 | 6.0 6 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 7.0 | 6.0 | 24 | 11.0 |
| 6 | 5.0 | 5.0 | 5.0 | 4.0 | 5.0 | 4.0 | 4.0 | 4.0 | 2.0 | 1.0 | .0 | 6.0 | 6.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 3.0 | 3.0 | 1.0 | 2.0 | 2.0 | 2.0 | 24 | 6.0 |
| 7 | 1.0 | -1.0 | .0 | -1.0 | -3.0 | -3.0 | -2.0 | -1.0 | -1.0 | -4.0 | -3.0 | -2.0 | .0 | 2.0 | 4.0 | 4.0 | 7.0 | 3.0 | -1.0 | .0 | .0 | -3.0 | -4.0 | 1.0 | 24 | 7.0 |
| 8 | .0 | -1.0 | -1.0 | -5.0 | -4.0 | .0 | .0 | -2.0 | -2.0 | -3.0 | -4.0 | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | 11 | 0.0 |
| 9 | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | AV | .0 | -1.0 | -2.0 | -4.0 | -5.0 | -4.0 | -2.0 | .0 | -1.0 | 5.0 | 4.0 | -2.0 | 1.0 | 13 | 5.0 |
| 10 | 1.0 | 3.0 | 1.0 | .0 | 3.0 | 4.0 | 7.0 | 3.0 | -3.0 | 5.0 | 5.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 3.0 | 2.0 | 2.0 | 3.0 | 7.0 | 6.0 | 7.0 | 24 | 7.0 |
| 11 | 8.0 | 6.0 | 5.0 | 6.0 | 6.0 | 6.0 | 7.0 | 6.0 | 3.0 | 1.0 | .0 | .0 | -1.0 | 1.0 | 5.0 | 5.0 | 5.0 | 4.0 | 3.0 | 2.0 | 3.0 | 3.0 | 4.0 | 5.0 | 24 | 8.0 |
| 12 | 4.0 | 6.0 | 7.0 | 4.0 | 6.0 | 9.0 | 7.0 | 4.0 | 5.0 | 6.0 | 3.0 | 2.0 | 4.0 | 7.0 | 4.0 | 1.0 | 2.0 | 5.0 | 4.0 | 5.0 | 6.0 | 6.0 | 5.0 | 3.0 | 24 | 9.0 |
| 13 | 5.0 | 7.0 | 19.0 | 5.0 | 4.0 | 2.0 | 4.0 | 3.0 | 7.0 | 10.0 | 8.0 | 4.0 | 6.0 | 7.0 | 6.0 | 8.0 | 11.0 | 9.0 | 9.0 | 7.0 | 6.0 | 7.0 | 8.0 | 11.0 | 24 | 19.0 |
| 14 | 12.0 | 7.0 | 5.0 | 5.0 | 5.0 | 4.0 | 3.0 | 6.0 | 6.0 | 3.0 | 4.0 | 2.0 | -2.0 | -2.0 | 3.0 | 4.0 | 4.0 | 6.0 | 6.0 | 6.0 | 6.0 | 7.0 | 8.0 | 7.0 | 24 | 12.0 |
| 15 | 6.0 | 4.0 | 4.0 | 6.0 | 8.0 | 5.0 | 9.0 | 6.0 | 2.0 | 5.0 | 4.0 | 3.0 | 3.0 | 4.0 | 6.0 | 5.0 | 7.0 | 7.0 | 11.0 | 8.0 | 6.0 | 8.0 | 8.0 | 11.0 | 24 | 11.0 |
| 16 | 7.0 | 9.0 | 8.0 | 5.0 | 3.0 | 5.0 | 6.0 | 9.0 | 6.0 | 6.0 | 5.0 | 4.0 | 4.0 | 6.0 | 12.0 | 7.0 | 4.0 | 4.0 | 5.0 | 4.0 | 5.0 | 3.0 | 6.0 | 6.0 | 24 | 12.0 |
| 17 | 9.0 | 8.0 | 6.0 | 6.0 | 6.0 | 6.0 | 8.0 | 7.0 | 6.0 | 7.0 | 6.0 | 5.0 | 6.0 | 6.0 | 8.0 6 | 12.0 6 | 16.0 6 | 8.0 6 | 7.0 6 | 6.0 6 | 5.0 6 | 6.0 6 | 5.0 6 | 3.0 6 | 24 | 16.0 |
| 18 | 3.0 6 | 6.0 6 | 7.0 6 | 6.0 6 | 6.0 6 | 5.0 6 | 5.0 6 | 5.0 6 | 7.0 6 | 6.0 6 | 6.0 | 5.0 | 5.0 | AX | BA | 15.0 | 5.5 | 3.5 | 1.8 | 5.7 | 5.7 | 4.7 | 4.7 | 4.5 | 22 | 15.0 |
| 19 | 3.0 | 6.4 | 5.7 | 8.1 | 5.9 | 2.3 | 3.5 | 3.7 | 8.2 | 6.7 | 10.1 | 8.6 | 8.2 | 6.7 | 5.2 | 8.2 | 10.8 | 10.3 | 5.5 | 5.5 | 5.0 | 9.1 | 6.0 | 3.5 | 24 | 10.8 |
| 20 | 5.7 | 6.7 | 7.9 | 8.4 | 10.8 | 9.8 | 7.7 | 9.3 | 9.1 | 6.7 | 7.2 | 6.7 | 7.9 | 5.7 | 6.5 | 8.4 | 8.6 | 9.8 | 9.6 | 8.2 | 10.1 | 10.8 | 5.7 | 7.4 | 24 | 10.8 |
| 21 | 4.5 | .6 | 2.8 | 2.5 | 1.8 | 4.2 | 2.3 | .9 | 2.1 | 3.5 | 5.0 | 10.1 | 7.7 | 5.2 | 2.6 | -1.8 | 1.8 | 3.8 | .9 | -.9 | -1.3 | -3.3 | -1.8 | -1.1 | 24 | 10.1 |
| 22 | -1.3 | -.8 | -1.3 | -.1 | .6 | 1.3 | 3.0 | 1.8 | -.1 | 1.8 | 2.1 | .4 | 1.6 | 1.1 | 1.1 | .4 | -2.8 | -1.8 | .4 | 1.1 | -1.1 | -2.5 | -.4 | 2.5 | 24 | 3.0 |
| 23 | .4 | -1.3 | .6 | .4 | -.8 | .1 | 16.8 | 15.7 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 8 | 16.8 |
| 24 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 25 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 26 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | BA | AX | 1.8 | 62.7 | 9.6 | 5.9 | -.4 | 21.8 | 6 | 62.7 |
| 27 | -1.5 | 2.5 | 17.1 | 6.4 | 5.9 | 12.0 | 12.3 | 8.9 | 7.6 | 5.7 | 6.2 | 4.0 | 1.4 | 1.1 | 3.5 | 3.8 | 3.8 | 4.7 | 7.4 | 16.6 | 7.2 | 6.2 | 4.5 | 4.2 | 24 | 17.1 |
| 28 | 3.3 | 1.6 | 10.6 | 7.7 | 5.0 | 4.5 | 3.3 | 3.5 | 4.0 | 7.2 | 10.3 | 9.6 | 4.7 | 2.6 | 4.5 | 3.3 | 7.6 | 9.1 | 6.7 | 4.0 | 2.3 | 1.8 | 3.0 | 2.8 | 24 | 10.6 |
| 29 | 5.0 | 6.9 | 6.7 | 7.9 | 9.6 | 8.1 | 7.7 | 9.1 | 7.9 | 7.9 | 9.6 | 6.4 | 7.4 | 8.9 | 12.1 | 11.3 | 11.3 | 12.3 | 10.8 | 8.8 | 8.1 | 11.5 | 10.6 | 9.6 | 24 | 12.3 |
| 30 | 11.8 | 11.0 | 13.7 | 11.8 | 10.6 | 14.2 | 10.8 | 11.3 | 15.7 | 15.0 | 15.7 | 12.5 | 9.6 | 9.4 | 9.1 | 5.2 | 8.2 | 8.9 | 9.6 | 7.4 | 6.4 | 20.3 | 30.8 | 31.5 | 24 | 31.5 |
| 31 | 40.8 | 25.2 | 12.8 | 12.5 | 15.7 | 14.2 | 14.9 | 9.3 | 11.8 | 9.1 | 4.7 | 3.3 | 6.5 | 13.8 | 8.9 | 6.9 | 5.7 | 8.4 | 6.9 | 5.7 | 9.8 | 6.2 | 5.7 | 6.7 | 24 | 40.8 |
| NO.: | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 26 | 26 | 26 | 26 | 25 | 24 | 25 | 26 | 26 | 26 | 27 | 27 | 27 | 27 | 27 | 27 | | |
| MAX: | 40.8 | 25.2 | 19.0 | 12.5 | 15.7 | 14.2 | 16.8 | 15.7 | 15.7 | 15.0 | 15.7 | 12.5 | 9.6 | 13.8 | 12.1 | 15.0 | 16.0 | 12.3 | 11.0 | 62.7 | 10.1 | 20.3 | 30.8 | 31.5 | | |
| AVG: | 6.43 | 5.47 | 6.10 | 5.10 | 5.19 | 5.54 | 6.46 | 5.72 | 5.36 | 5.41 | 5.19 | 4.48 | 4.28 | 4.56 | 4.70 | 4.64 | 5.40 | 5.73 | 5.20 | 7.07 | 4.88 | 5.29 | 5.24 | 7.09 | | |

MONTHLY OBSERVATIONS: 634 MONTHLY MEAN: 5.45 MONTHLY MAX: 62.7

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-123-0001 POC: 3
COUNTY: (123) Montgomery
CITY: (10120) Candor
SITE ADDRESS: 126 PERRY DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: FOREST
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.2632
LONGITUDE: -79.836613
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 173
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: NOVEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.4 | 7.4 | 6.2 | 5.7 | 7.4 | 7.2 | 6.9 | 6.7 | 4.0 | 2.6 | 3.0 | 3.8 | 1.1 | .8 | 4.0 | 5.7 | 4.2 | 2.5 | 4.7 | 5.5 | 5.5 | 7.7 | 5.2 | 5.5 | 24 | 7.7 |
| 2 | 7.4 | 7.2 | 10.1 | 6.5 | 6.9 | 4.5 | 6.0 | 7.9 | 6.2 | 3.0 | 2.8 | 8.2 | 12.8 | 11.1 | 11.3 | 12.8 | 15.0 | 8.2 | 12.1 | 10.6 | 9.3 | 9.4 | 10.6 | 10.6 | 24 | 15.0 |
| 3 | 11.1 | 7.9 | 8.6 | 15.9 | 13.3 | 11.8 | 11.3 | 13.5 | 15.2 | 14.0 | 12.8 | 12.8 | 15.9 | 16.6 | 10.8 | 9.1 | 8.6 | 11.3 | 11.5 | 9.8 | 13.0 | 14.0 | 17.1 | 12.3 | 24 | 17.1 |
| 4 | 12.8 | 14.7 | 14.0 | 13.0 | 20.5 | 22.2 | 10.1 | 4.0 | .8 | -.3 | -3.7 | -2.5 | -1.3 | .2 | -.1 | 1.6 | 1.6 | -1.1 | 1.8 | 3.0 | 1.8 | 3.3 | 3.5 | 3.2 | 24 | 22.2 |
| 5 | 1.8 | 3.3 | 5.2 | 5.7 | 3.3 | 6.9 | 6.7 | 5.0 | 2.8 | .9 | .4 | 4.5 | 1.1 | 1.6 | 5.2 | 4.0 | 3.0 | 1.3 | -.4 | 4.2 | 4.9 | -.6 | .4 | 4.0 | 24 | 6.9 |
| 6 | 2.8 | 4.0 | 7.2 | 9.8 | 12.0 | 7.6 | 5.0 | 6.0 | 9.1 | 10.8 | 7.9 | 5.0 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 12 | 12.0 |
| 7 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 8 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AX | BA | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 9 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AX | BA | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 10 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 11 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 12 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 13 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 14 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | BA | BA | 4.8 | 4.3 | 5.8 | 4.1 | 3.6 | 4.6 | 6.3 | 4.1 | 3.1 | 9 | 6.3 |
| 15 | 3.1IT | 3.4IT | 3.8IT | 6.5IT | 8.0IT | 9.9IT | 11.1IT | 10.9IT | 13.1IT | 11.9IT | 9.2IT | 8.0IT | 12.9IT | 14.3IT | 20.1IT | 20.2IT | 16.2IT | 22.1IT | 20.6IT | 16.7IT | 17.7IT | 20.1IT | 17.9IT | 17.4IT | 24 | 22.1 |
| 16 | 24.1IT | 26.0IT | 40.2IT | 38.3IT | 43.1IT | 44.6IT | 45.8IT | 46.3IT | 40.7IT | 35.6IT | 24.8IT | 18.4IT | 14.5IT | 12.6IT | 10.9IT | 12.1IT | 17.2IT | 14.8IT | 14.3IT | 21.1IT | 28.0IT | 32.9IT | 38.0IT | 43.9IT | 24 | 46.3 |
| 17 | 44.4IT | 44.6IT | 39.5IT | 44.1IT | 37.3IT | 30.7IT | 28.7IT | 24.3IT | 15.0IT | 13.4IT | 10.7IT | 7.3IT | 6.8IT | 7.8IT | 6.3IT | 6.6IT | 11.2IT | 10.9IT | 12.4IT | 11.2IT | 13.1IT | 10.2IT | 7.5IT | 9.9IT | 24 | 44.6 |
| 18 | 10.9IT | 15.5IT | 10.9IT | 15.3IT | 14.1IT | 17.0IT | 17.7IT | 15.8IT | 16.0IT | 18.4IT | 19.2IT | 20.6IT | 14.3IT | 16.5IT | 17.5IT | 18.4IT | 23.6IT | 21.4IT | 19.9IT | 18.2IT | 21.9IT | 21.4IT | 24.5IT | 18.7IT | 24 | 24.5 |
| 19 | 20.4 | 18.2 | 20.4 | 20.6 | 21.1 | 18.7 | 23.8 | 19.6 | 20.1 | 18.4 | 16.5 | 8.3 | 5.3 | 9.7 | 9.0 | 4.3 | .0 | 5.1 | 3.6 | 1.7 | .2 | 1.9 | 3.6 | 3.1 | 24 | 23.8 |
| 20 | 4.3 | 3.6 | 6.3 | 8.0 | 4.8 | 3.4 | 4.6 | 3.1 | 6.0 | 6.5 | 3.6 | 1.4 | 1.9 | 5.3 | 4.8 | 2.9 | 1.9 | 4.3 | 4.6 | 1.9 | .7 | .9 | 1.2 | .0 | 24 | 8.0 |
| 21 | -.5 | 4.8 | 6.3 | 4.6 | 5.8 | 6.5 | 7.3 | 5.8 | 7.5 | 4.8 | 2.4 | .7 | -1.0 | -1.2 | .2 | .0 | 1.9 | 3.4 | 1.9 | 2.6 | 9.9 | 8.0 | 7.0 | 3.1 | 24 | 9.9 |
| 22 | 1.4 | 3.1 | 4.6 | 3.4 | 3.6 | 3.8 | 2.6 | 4.3 | 6.1 | 4.1 | 2.6 | .7 | -.5 | .2 | 1.4 | AX | BA | -.5 | -.3 | 1.2 | 3.6 | 3.8 | 2.6 | 1.7 | 22 | 6.1 |
| 23 | 2.4 | .9 | 1.4 | 2.2 | 2.6 | 7.7 | 4.5 | .2 | -.3 | -.3 | 1.4 | 6.3 | 3.9 | 1.7 | 3.4 | 5.5 | 5.3 | 3.8 | 5.3 | 7.5 | 7.5 | 7.8 | 9.9 | 11.7 | 24 | 11.7 |
| 24 | 9.7IT | 7.5IT | 12.4IT | 9.4IT | 8.0IT | 9.4IT | 14.1IT | 9.0IT | 10.9IT | 8.5IT | 10.4IT | 8.3IT | 6.6IT | 6.6IT | 8.5IT | 6.3IT | 4.8IT | 3.6IT | 4.6IT | 4.6IT | 3.4IT | 6.8IT | 6.8IT | 4.8IT | 24 | 14.1 |
| 25 | 5.6IT | 8.7IT | 7.8IT | 9.4IT | 6.5IT | 8.7IT | 7.7IT | 7.0IT | 8.5IT | 7.5IT | 9.0IT | 8.0IT | 5.3IT | 7.3IT | 5.8IT | 6.6IT | 9.9IT | 7.1IT | 8.5IT | 7.5IT | 8.3IT | 9.2IT | 13.1IT | 11.9IT | 24 | 13.1 |
| 26 | 10.7 | 9.5 | 7.3 | 9.9 | 8.7 | 4.6 | 5.3 | 5.3 | 3.4 | 3.6 | 2.6 | 3.1 | 2.4 | .3 | 1.7 | 1.9 | 1.9 | 3.4 | 8.7 | 6.3 | 2.9 | 3.6 | 7.0 | 4.6 | 24 | 10.7 |
| 27 | 4.6 | 5.6 | 9.2 | 6.1 | 4.3 | 4.8 | 11.2 | 10.6 | 8.2 | 8.7 | 6.1 | 3.8 | 4.1 | 8.5 | 6.6 | 7.5 | 9.7 | 7.5 | 6.5 | 10.4 | 7.5 | 6.3 | 10.4 | 10.9 | 24 | 11.2 |
| 28 | 11.1IT | 9.9IT | 12.2IT | 12.9IT | 13.1IT | 9.9IT | 9.9IT | 8.7IT | 6.3IT | 7.5IT | 4.6IT | 2.4IT | 1.2IT | 5.1IT | 4.8IT | 3.4IT | 7.0IT | 8.5IT | 5.8IT | 5.6IT | 6.0IT | 6.6IT | 5.8IT | 2.4IT | 24 | 13.1 |
| 29 | .0 | .7 | 1.2 | 2.6 | 2.9 | 3.9 | 2.4 | 3.1 | 4.1 | 2.9 | 5.6 | 4.1 | .5 | .7 | -.4 | -.9 | 3.6 | 3.4 | 1.0 | 1.2 | .9 | 2.2 | 3.4 | 1.5 | 24 | 5.6 |
| 30 | 1.2 | -.7 | -.7 | 1.2 | 4.1 | 4.9 | 4.6 | 3.2 | 1.5 | 3.9 | 6.1 | 4.4 | 3.9 | 6.1 | 8.1 | 5.6 | 4.9 | 7.3 | 5.9 | 3.7 | 3.2 | 4.1 | 2.2 | 2.0 | 24 | 8.1 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 21 | 21 | 21 | 21 | 21 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | | |
| MAX: | 44.4 | 44.6 | 40.2 | 44.1 | 43.1 | 44.6 | 45.8 | 46.3 | 40.7 | 35.6 | 24.8 | 20.6 | 15.9 | 16.6 | 20.1 | 20.2 | 23.6 | 22.1 | 20.6 | 21.1 | 28.0 | 32.9 | 38.0 | 43.9 | | |
| AVG: | 8.85 | 9.35 | 10.64 | 11.41 | 11.43 | 11.30 | 11.24 | 10.01 | 9.33 | 8.47 | 7.18 | 6.25 | 5.32 | 6.28 | 6.66 | 6.59 | 7.42 | 7.00 | 7.14 | 7.19 | 7.90 | 8.45 | 9.17 | 8.47 | | |

MONTHLY OBSERVATIONS: 523 MONTHLY MEAN: 8.48 MONTHLY MAX: 46.3

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-123-0001 POC: 3
COUNTY: (123) Montgomery
CITY: (10120) Candor
SITE ADDRESS: 126 PERRY DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (169) SANDHILLS
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: FOREST
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.2632
LONGITUDE: -79.836613
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 173
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: DECEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.0 | 4.6 | 4.8 | 4.1 | 1.2 | 1.7 | 2.9 | 1.2 | 3.4 | 2.9 | 3.6 | 1.5 | -1.2 | 1.5 | 1.5 | 1.5 | 1.9 | 5.6 | 6.6 | 5.3 | 7.1 | 7.0 | 5.3 | 5.1 | 24 | 7.1 |
| 2 | 6.5 | 4.8 | 5.1 | 3.6 | 2.4 | 4.8 | 5.6 | 7.3 | 5.6 | 7.0 | 6.6 | 3.1 | 2.9 | 3.2 | 1.0 | .0 | -.2 | .5 | 1.9 | .5 | 3.4 | 7.8 | 6.3 | 4.1 | 24 | 7.8 |
| 3 | 2.6 | 1.9 | 2.4 | 2.4 | 1.9 | 4.8 | 3.8 | 4.1 | 4.3 | 9.0 | 5.8 | 2.9 | 4.3 | 4.1 | 5.1 | 2.7 | .5 | 2.7 | 7.8 | 4.8 | 4.8 | 6.5 | 4.6 | 5.6 | 24 | 9.0 |
| 4 | 6.6 | 5.8 | 11.2 | 7.5 | 11.4 | 8.7 | 4.6 | 4.6 | 5.3 | 9.5 | 6.1 | 6.6 | 7.8 | 6.6 | 4.8 | 3.1 | 3.1 | 3.1 | 3.4 | 3.4 | 7.5 | 7.8 | 6.3 | 4.6 | 24 | 11.4 |
| 5 | 2.9 | 5.1 | 3.6 | 1.0 | 2.9 | 2.4 | 2.6 | 2.9 | 3.9 | 2.9 | 2.6 | 2.4 | 1.5 | 1.9 | 1.7 | .0 | -.5 | 2.2 | 2.2 | 1.9 | 2.2 | 1.9 | 1.7 | 4.1 | 24 | 5.1 |
| 6 | 7.3 | 7.0 | 3.6 | 1.9 | 2.2 | 1.9 | 3.4 | 3.4 | 2.7 | 1.7 | 1.7 | AX | BA | -2.9 | -.7 | 2.7 | .2 | -2.7 | 1.7 | 5.1 | 2.6 | 2.7 | 3.1 | 1.2 | 22 | 7.3 |
| 7 | 1.7 | 4.6 | 2.7 | .5 | .9 | 3.4 | 5.1 | 3.1 | 3.4 | 4.6 | 5.1 | 3.4 | 2.7 | 2.4 | 1.7 | 2.9 | 4.3 | 3.9 | 2.4 | 1.4 | 3.4 | 3.6 | 4.3 | 2.7 | 24 | 5.1 |
| 8 | 2.7 | 3.6 | 4.8 | 6.3 | 7.0 | 6.5 | 7.0 | 6.6 | 10.4 | 12.2 | 9.0 | 4.1 | .7 | 2.2 | 4.3 | 1.7 | 1.0 | .0 | -1.0 | 1.0 | 1.4 | 2.4 | 3.4 | 1.2 | 24 | 12.2 |
| 9 | -.5 | 1.5 | 1.4 | 2.9 | 6.1 | 5.6 | 4.6 | 5.1 | 4.1 | 3.9 | 3.9 | 3.6 | 6.5 | 5.1 | 4.3 | 3.1 | 2.6 | 3.8 | 6.6 | 10.4 | 7.5 | 3.1 | 6.3 | 3.8 | 24 | 10.4 |
| 10 | 1.9 | 5.1 | 10.4 | 9.0 | 6.5 | 9.9 | 10.9 | 9.0 | 8.0 | 5.8 | 6.8 | 3.1 | 2.7 | 3.1 | 2.7 | 2.4 | 4.3 | 5.3 | 4.6 | 6.1 | 5.8 | 7.8 | 6.5 | 6.8 | 24 | 10.9 |
| 11 | 5.6 | 4.6 | 4.1 | 7.8 | 7.5 | 5.5 | 3.6 | 4.8 | 6.8 | 6.8 | 5.8 | 3.6 | 3.1 | 2.9 | 2.2 | 2.2 | 4.1 | 7.0 | 4.1 | 1.7 | 7.3 | 9.7 | 7.0 | 9.0 | 24 | 9.7 |
| 12 | 9.2 | 7.5 | 7.3 | 12.2 | 11.7 | 9.9 | 7.8 | 8.5 | 10.2 | 8.0 | 14.1 | 13.4 | 10.2 | 7.0 | 10.4 | 7.5 | 9.0 | 8.7 | 9.0 | 9.7 | 6.1 | 6.8 | 9.7 | 10.9 | 24 | 14.1 |
| 13 | 11.7 | 8.5 | 8.0 | 6.8 | 5.6 | 9.4 | 12.9 | 9.2 | 6.8 | 4.1 | 3.6 | .0 | -1.9 | .2 | 1.0 | 2.9 | 4.8 | 5.1 | 4.6 | 4.1 | 2.4 | 4.3 | 7.8 | 7.8 | 24 | 12.9 |
| 14 | 7.3 | 9.2 | 15.1 | 10.9 | 11.9 | 6.6 | 10.7 | 13.4 | 8.7 | 7.5 | 4.6 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 11 | 15.1 |
| 15 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | BA | AZ | 1.7 | 1.9 | 1.4 | 4.1 | 4.3 | 8.0 | 3.8 | .0 | .9 | 9 | 8.0 |
| 16 | 7.7 | 8.0 | 4.8 | 2.6 | 1.7 | 1.7 | 9.2 | 5.0 | 3.1 | 4.3 | 2.9 | 4.1 | 3.8 | 2.6 | 2.6 | 3.3 | 4.3 | 4.5 | 4.6 | 6.0 | 4.5 | 5.3 | 4.3 | 2.4 | 24 | 9.2 |
| 17 | 8.7 | 9.7 | 5.3 | 7.2 | 5.5 | 4.6 | 5.5 | 18.6 | 13.1 | 17.9 | 17.9 | 20.6 | 10.9 | 14.8 | 13.1 | 15.5 | 12.6 | 8.7 | 10.4 | 12.1 | 12.1 | 13.6 | 16.5 | 13.8 | 24 | 20.6 |
| 18 | 11.4 | 11.9 | 9.4 | 9.2 | 5.3 | 7.3 | 7.5 | 5.3 | 3.6 | 2.9 | .5 | 2.9 | 6.3 | 4.3 | 4.4 | 2.4 | -.2 | -.5 | -2.9 | -3.4 | -1.7 | -1.7 | 1.4 | 1.5 | 24 | 11.9 |
| 19 | 1.2 | .2 | 1.4 | 3.1 | 3.6 | 4.6 | 2.4 | 3.4 | 3.1 | 3.6 | 4.3 | 4.3 | 4.8 | 8.0 | 8.2 | 6.0 | 3.4 | 5.6 | 6.6 | 4.6 | 4.6 | 6.3 | 6.3 | 4.8 | 24 | 8.2 |
| 20 | 5.6 | 7.0 | 4.6 | 3.1 | 3.6 | 7.3 | 6.3 | 7.0 | 7.3 | 14.1 | 8.0 | 14.3 | 8.7 | 4.8 | 7.0 | 6.3 | 3.9 | 6.5 | 7.3 | 5.6 | 6.1 | 6.3 | 6.5 | 13.4 | 24 | 14.3 |
| 21 | 11.2 | 10.2 | 14.3 | 13.3 | 11.7 | 11.6 | 13.8 | 15.0 | 10.9 | 13.8 | 14.6 | 4.3 | 3.1 | 3.9 | 6.8 | 6.1 | 6.8 | 4.1 | 2.6 | 5.3 | 3.6 | 3.8 | 4.1 | 6.1 | 24 | 15.0 |
| 22 | 6.1 | 7.5 | 7.8 | 7.5 | 10.4 | 6.8 | 10.2 | 8.3 | 7.8 | 11.9 | 8.3 | 7.3 | 7.5 | 8.5 | 7.5 | 6.3 | 8.0 | 7.0 | 6.8 | 7.0 | 8.7 | 6.5 | 6.8 | 3.6 | 24 | 11.9 |
| 23 | 2.6 | 7.0 | 6.5 | 8.2 | 7.5 | 11.6 | 10.4 | 8.2 | 11.1 | 11.7 | 10.7 | 9.4 | 6.3 | 4.8 | 6.3 | 7.3 | 8.7 | 7.5 | 6.3 | 6.8 | 6.1 | 8.7 | 8.2 | 9.4 | 24 | 11.7 |
| 24 | 9.7 | 9.9 | 8.5 | 11.2 | 10.4 | 11.4 | 12.4 | 8.2 | 10.9 | 10.9 | 13.8 | 9.7 | 8.0 | 10.7 | 9.4 | 7.3 | 14.8 | 9.7 | 12.2 | 8.9 | 12.2 | 7.8 | 9.7 | 8.2 | 24 | 14.8 |
| 25 | 6.5 | 10.9 | 9.2 | 14.8 | 8.5 | 15.0 | 15.1 | 8.0 | 12.4 | 12.1 | 8.0 | 6.3 | 5.8 | 5.8 | 7.3 | 8.3 | 5.6 | 8.5 | 6.8 | 6.8 | 5.6 | 5.1 | 9.9 | 7.8 | 24 | 15.1 |
| 26 | 5.3 | 8.7 | 8.7 | 9.5 | 8.0 | 5.3 | 6.6 | 4.6 | 3.9 | 7.5 | 5.1 | 4.1 | 1.9 | 2.4 | 4.8 | 3.4 | 6.3 | 5.8 | 7.5 | 8.7 | 8.5 | 10.9 | 8.0 | 8.5 | 24 | 10.9 |
| 27 | 6.8 | 6.1 | 3.9 | 3.6 | 2.4 | 1.4 | 1.9 | .5 | .7 | 4.3 | AX | BA | 1.5 | 3.9 | 1.5 | -.2 | 1.5 | .7 | .2 | 3.4 | 5.6 | 3.8 | 2.6 | 5.8 | 22 | 6.8 |
| 28 | 4.1 | 1.4 | 1.9 | 1.9 | .3 | .7 | 2.7 | 4.6 | 3.8 | 1.9 | .2 | -.5 | .7 | 2.4 | 2.4 | .7 | 1.9 | 2.9 | 2.9 | 3.4 | 1.7 | 1.7 | 2.9 | 3.4 | 24 | 4.6 |
| 29 | 6.8 | 6.1 | 6.1 | 4.6 | 12.6 | 9.2 | 4.1 | 2.9 | 5.6 | 6.3 | 8.7 | 5.1 | 2.4 | 1.5 | -3.1 | -1.9 | .2 | -.3 | 3.6 | 2.4 | 3.1 | 4.1 | 3.1 | 2.2 | 24 | 12.6 |
| 30 | 2.2 | 3.1 | 2.2 | -.5 | -1.7 | 2.9 | 3.6 | 3.3 | 2.4 | 4.8 | 3.6 | 1.2 | .5 | -1.0 | -2.5 | .9 | 2.9 | 6.5 | 6.3 | 4.6 | 7.5 | 5.5 | 4.1 | 3.1 | 24 | 7.5 |
| 31 | 4.6 | 4.6 | 2.9 | 2.4 | 4.6 | 3.9 | 2.9 | 2.6 | 5.6 | 4.1 | 4.1 | 3.1 | 2.9 | 5.6 | 6.1 | 5.3 | 4.6 | 5.1 | 5.8 | 5.8 | 3.1 | 3.4 | 4.1 | 2.9 | 24 | 6.1 |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 27 | 28 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 11.7 | 11.9 | 15.1 | 14.8 | 12.6 | 15.0 | 15.1 | 18.6 | 13.1 | 17.9 | 17.9 | 20.6 | 10.9 | 14.8 | 13.1 | 15.5 | 14.8 | 9.7 | 12.2 | 12.1 | 12.2 | 13.6 | 16.5 | 13.8 | | |
| AVG: | 5.60 | 6.20 | 6.07 | 5.95 | 5.79 | 6.21 | 6.67 | 6.29 | 6.30 | 7.27 | 6.55 | 5.33 | 4.09 | 4.15 | 4.20 | 3.71 | 4.08 | 4.30 | 4.83 | 4.92 | 5.36 | 5.54 | 5.69 | 5.49 | | |

MONTHLY OBSERVATIONS: 712 MONTHLY MEAN: 5.45 MONTHLY MAX: 20.6

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-129-0002 POC: 1
COUNTY: (129) New Hanover
CITY: (10880) Castle Hayne
SITE ADDRESS: 6028 HOLLY SHELTER RD
SITE COMMENTS: CAROLINA POWER ELECTRIC METER NO. ACD-B87594-G35 85 409 257
MONITOR COMMENTS: ID2=807

STATE: (37) North Carolina
AQCR: (170) SOUTHERN COASTAL PLAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 34.364167
LONGITUDE: -77.838611
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 12
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: 2016

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

| Day | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.1 | | 15.0 | | | | | | | | | |
| 2 | | 7.3 | | | | 6.2 | | | | | 5.4 | 4.9 |
| 3 | | 5.7 | | 3.5 | 5.8 | | | | 3.6 | 9.7 | | |
| 4 | 4.3 | 3.0 | 5.2 | | | | | 5.5 | | | | |
| 5 | | | | | | 5.2 | 10.1 | | | | | |
| 6 | | 3.8 | | 4.2 | 2.6 | | | | | | | |
| 7 | 3.4 | | 6.7 | | | | | | | | | |
| 8 | | | | | | 9.0 | | | | | 4.4 | 6.4 |
| 9 | | 4.9 | | 5.7 | 13.3 | | | | 8.7 | SA | | |
| 10 | 2.2 | | 6.0 | | | | | 6.7 | | | | |
| 11 | | | | | | 8.6 | 5.4 | | | | | |
| 12 | | 6.4 | | 5.4 | 7.5 | | | | | | | |
| 13 | 3.5 | | 7.4 | | | | | | | | | |
| 14 | | | | | | 8.0 | | | | | BA | 8.4 |
| 15 | | 5.1 | | 5.4 | 3.5 | | | | 3.4 | 4.1 | | |
| 16 | 5.1 | | 17.8 | | | | | 3.2 | | | | |
| 17 | | | | | | 8.8 | 4.7 | | | | 12.8 | |
| 18 | | 5.3 | | 5.4 | 4.8 | | | | | | | |
| 19 | 3.7 | | 7.3 | | | | | | | | | |
| 20 | | | | | | 6.1 | | | | | 4.2 | 6.0 |
| 21 | | 13.2 | | 7.5 | TS | | | | 2.9 | 5.4 | | |
| 22 | 5.7 | | 9.7 | | | | | 6.2 | | | | |
| 23 | | | | | | 13.0 | 7.7 | | | | | |
| 24 | | 8.6 | | 4.5 | 4.3 | | | | | | | |
| 25 | 3.7 | | 6.6 | | | | | | | | | |
| 26 | | | | | | 7.5 | | | | | 13.9 | BJ |
| 27 | | 4.2 | | 7.2 | 8.2 | | | | 4.1 | 4.8 | | |
| 28 | BJ | | 4.3 | | | | | 8.0 | | | | |
| 29 | | | | | | 10.4 | 10.1 | | | | | |
| 30 | | | | 5.4 | 3.5 | | | | | | | 2.8 |
| 31 | BJ | | AJ | | | | | | | | | |
| NO.: | 9 | 11 | 10 | 10 | 9 | 10 | 5 | 5 | 5 | 4 | 5 | 5 |
| MAX: | 5.7 | 13.2 | 17.8 | 7.5 | 13.3 | 13.0 | 10.1 | 8.0 | 8.7 | 9.7 | 13.9 | 8.4 |
| MEAN: | 3.74 | 6.14 | 8.60 | 5.42 | 5.94 | 8.28 | 7.60 | 5.92 | 4.54 | 6.00 | 8.14 | 5.70 |

ANNUAL OBSERVATIONS: 88 ANNUAL MEAN: 6.38 ANNUAL MAX: 17.8

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-129-0002 POC: 3
COUNTY: (129) New Hanover
CITY: (10880) Castle Hayne
SITE ADDRESS: 6028 HOLLY SHELTER RD
SITE COMMENTS: CAROLINA POWER ELECTRIC METER NO. ACD-B87594-G35 85 409 257
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (170) SOUTHERN COASTAL PLAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 34.364167
LONGITUDE: -77.838611
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 12
PROBE HEIGHT: 4.8

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JANUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -5.1 | -4.0 | -2.1 | 1.2 | -.9 | 1.0 | 1.7 | .7 | 1.5 | 1.2 | -1.3 | -1.0 | 5.6 | 3.4 | -1.8 | -1.5 | -2.5 | -4.0 | 2.7 | 4.7 | 3.2 | 2.5 | 2.2 | 1.0 | 24 | 5.6 |
| 2 | 1.3 | 6.4 | 4.2 | 3.2 | 2.3 | .1 | .8 | 4.2 | 3.2 | 3.0 | 1.8 | .0 | -.8 | .8 | 3.0 | 4.2 | 2.2 | 1.7 | 1.5 | 6.2 | 4.7 | 1.5 | 4.7 | 4.2 | 24 | 6.4 |
| 3 | 2.3 | 7.2 | 5.0 | 3.3 | 1.5 | .6 | 4.0 | 2.8 | 2.3 | 6.7 | 7.4 | 5.2 | 4.2 | 3.2 | 4.7 | 9.4 | 6.9 | 4.5 | 4.5 | 6.1 | 2.3 | .8 | 3.0 | 5.0 | 24 | 9.4 |
| 4 | 8.6 | 6.9 | 4.0 | 8.7 | 5.9 | 4.2 | 4.7 | 9.1 | 5.7 | 4.2 | 2.5 | .3 | 3.2 | 5.2 | 5.2 | 4.0 | 6.9 | 4.0 | 2.0 | .8 | -.5 | 1.8 | 4.3 | 2.1 | 24 | 9.1 |
| 5 | .4 | 1.8 | 2.1 | .8 | .0 | -1.2 | -.7 | .7 | .2 | -.5 | -.7 | .2 | 2.1 | AX | -1.7 | -1.2 | .0 | .0 | -2.2 | -3.7 | 1.0 | 2.3 | .8 | .0 | 23 | 2.3 |
| 6 | .8 | 1.8 | -2.0 | -2.4 | 1.8 | 3.5 | -.7 | .6 | 2.3 | .8 | .8 | -.2 | -2.9 | 3.0 | 5.0 | 2.1 | -1.2 | .6 | 3.8 | 3.3 | 3.5 | 3.3 | 2.8 | -.5 | 24 | 5.0 |
| 7 | -1.4 | 2.5 | 1.1 | .0 | 1.6 | .8 | 3.0 | 5.7 | 5.2 | 3.3 | 1.5 | 2.3 | 1.5 | -.7 | 5.5 | 5.2 | .6 | -2.0 | .3 | .8 | 3.5 | 3.8 | 3.3 | 2.8 | 24 | 5.7 |
| 8 | 2.8 | 5.7 | 4.5 | 3.3 | 2.1 | .2 | -.2 | .8 | .8 | 6.7 | 6.4 | 2.8 | .8 | .3 | 1.3 | 2.1 | -.5 | -2.9 | -.5 | 4.7 | 1.3 | 1.6 | 5.7 | 3.8 | 24 | 6.7 |
| 9 | 2.1 | 6.9 | 5.5 | 3.0 | 2.1 | 2.1 | .2 | 4.2 | 3.8 | 9.1 | 8.4 | 9.8 | 4.2 | 1.3 | -1.1 | 1.0 | .5 | -.9 | .3 | .0 | -1.3 | -2.0 | .5 | -1.5 | 24 | 9.8 |
| 10 | -5.0 | -3.2 | -2.0 | -4.9 | -5.0 | -4.2 | -3.7 | -3.3 | -1.1 | .5 | 1.7 | .0 | -3.0 | -3.0 | -3.0 | -4.7 | -5.0 | -3.0 | 1.0 | 1.0 | -1.5 | -2.5 | .0 | .6 | 24 | 1.7 |
| 11 | -5.0 | -5.0 | -3.0 | -1.5 | .1 | -3.2 | -3.2 | -1.0 | .0 | AN | AN | AN | AN | AN | AN | -4.2 | -4.4 | -3.2 | -.7 | .4 | .8 | 1.6 | -1.7 | -4.9 | 18 | 1.6 |
| 12 | -1.9 | 1.1 | -1.0 | -1.9 | -2.2 | -3.6 | -2.4 | -.9 | -1.4 | -1.7 | -.4 | -.2 | -1.7 | -2.9 | 4.0 | 2.0 | -3.4 | .8 | -1.4 | -3.2 | .3 | -1.2 | -.8 | -.3 | 24 | 4.0 |
| 13 | .0 | 1.3 | 1.0 | 1.0 | 1.0 | 2.0 | 1.5 | -.7 | -1.0 | -.2 | -.7 | -1.2 | -1.2 | -.5 | -1.2 | -.6 | .0 | -2.0 | -2.6 | -.2 | .9 | -.4 | -.4 | 2.7 | 24 | 2.7 |
| 14 | 2.4 | 1.4 | -.6 | .0 | 3.4 | 3.2 | 2.5 | 2.7 | 1.9 | 1.0 | -.4 | -2.6 | -.8 | 10.0 | 7.3 | 1.9 | -1.7 | 2.6 | 2.2 | -.2 | 1.0 | 4.9 | 3.9 | 2.9 | 24 | 10.0 |
| 15 | 5.1 | 3.2 | 3.2 | 1.7 | 2.7 | 4.2 | 3.2 | 1.5 | 3.2 | 7.6 | 5.8 | 3.9 | 1.2 | .7 | .5 | -3.8 | -5.0 | -1.8 | -.3 | 2.2 | 2.7 | 1.2 | -.8 | -1.3 | 24 | 7.6 |
| 16 | .5 | 38.9 | 1.0 | 1.7 | -2.0 | -2.6 | .7 | -.1 | -.1 | 1.0 | 2.0 | 2.2 | 21.2 | 1.2 | .9 | .0 | 30.0 | 4.3 | 4.3 | 4.1 | 1.9 | -1.3 | .7 | 1.2 | 24 | 38.9 |
| 17 | 3.9 | 3.9 | 1.5 | -.1 | .3 | .0 | -.3 | .5 | 1.5 | -.6 | -.8 | 2.0 | 1.5 | -.6 | -1.3 | 3.9 | 1.5 | -3.0 | -5.0 | -5.0 | -4.0 | -.8 | -.6 | -1.8 | 24 | 3.9 |
| 18 | -1.8 | -1.5 | .0 | .5 | -.3 | 1.0 | 2.2 | .5 | -1.8 | -.8 | -.1 | -.5 | -1.0 | -1.0 | .3 | .7 | 2.0 | .3 | .0 | 1.2 | 1.0 | .8 | 1.0 | .0 | 24 | 2.2 |
| 19 | -2.0 | 2.3 | .3 | -2.7 | -2.2 | -3.7 | -2.0 | 1.0 | -.8 | -1.0 | -.1 | -.5 | -1.0 | -1.0 | .0 | -1.5 | -1.8 | -.8 | -2.5 | -2.0 | .5 | .0 | -.5 | 2.3 | 24 | 2.3 |
| 20 | 1.0 | -.5 | .0 | 1.5 | 4.0 | 3.2 | 1.8 | 3.0 | 2.3 | .6 | -1.5 | BA | -.7 | -.5 | .0 | .1 | -.1 | 1.5 | 2.8 | 4.2 | 4.0 | 4.4 | 3.2 | 2.0 | 23 | 4.4 |
| 21 | 4.5 | 3.2 | 2.5 | 6.1 | 5.9 | 6.4 | 6.2 | 8.8 | 8.1 | 5.6 | 4.9 | 1.3 | -.3 | .5 | 1.7 | 2.2 | .3 | -1.0 | 4.5 | 6.2 | 4.4 | 4.2 | 5.2 | 2.8 | 24 | 8.8 |
| 22 | -.1 | -.8 | .8 | .5 | 3.0 | 6.6 | 5.7 | 4.2 | 4.0 | 6.9 | 2.3 | 1.5 | 15.6 | 6.1 | 5.9 | 3.9 | 2.5 | .0 | -3.5 | -3.7 | -4.7 | -3.5 | -3.7 | -4.4 | 24 | 15.6 |
| 23 | -2.2 | -3.5 | 1.0 | -.1 | -2.2 | 1.3 | 2.5 | -.3 | -.8 | .0 | 1.8 | 2.3 | .3 | -.3 | -1.0 | 1.8 | 2.3 | .3 | -3.0 | -1.7 | -1.0 | -1.0 | -.8 | -5.0 | 24 | 2.5 |
| 24 | -5.0 | -4.7 | -5.0 | -3.9 | -1.0 | -.3 | -.3 | .0 | 1.5 | 3.0 | 1.8 | .8 | .0 | -1.0 | -2.5 | -.8 | .5 | .5 | .8 | -.3 | -2.0 | -1.7 | -.5 | .5 | 24 | 3.0 |
| 25 | -.8 | -2.2 | -2.2 | -3.0 | -.3 | 2.0 | 2.5 | -.1 | -.5 | .8 | AN | 9.3 | 7.6 | 5.1 | 5.6 | 2.5 | 2.7 | 3.7 | 4.7 | 5.4 | .8 | -1.0 | .5 | .0 | 23 | 9.3 |
| 26 | .0 | 2.5 | 2.5 | .5 | .0 | 2.0 | .5 | -.8 | 3.7 | 3.9 | 2.5 | 15.8 | 7.1 | 3.6 | 8.5 | 4.4 | -.2 | 1.9 | 1.4 | 5.6 | 4.9 | 4.4 | 2.7 | 3.4 | 24 | 15.8 |
| 27 | 4.4 | 2.2 | 2.0 | 2.2 | -.4 | -.1 | 1.7 | 3.9 | 4.9 | 13.4 | 8.6 | 5.6 | 3.2 | 1.7 | 2.4 | 1.9 | 1.0 | .2 | 7.3 | 7.6 | 4.7 | .3 | -.8 | -1.2 | 24 | 13.4 |
| 28 | 1.0 | 2.7 | 2.3 | .3 | -2.2 | -.8 | -1.2 | -.1 | 4.0 | 1.0 | 16.1 | 3.5 | 9.6 | 5.4 | 3.0 | 3.0 | 1.8 | 1.5 | 2.7 | 2.3 | 7.9 | 12.0 | 10.8 | 11.5 | 24 | 16.1 |
| 29 | 10.8 | 12.8 | 12.3 | 5.9 | 2.3 | 9.1 | 10.1 | 7.4 | 11.3 | 11.5 | 6.6 | 4.9 | 4.4 | 3.2 | 1.0 | .2 | 3.6 | 1.2 | -1.1 | -1.3 | 1.0 | -2.0 | 1.0 | 3.4 | 24 | 12.8 |
| 30 | .3 | -2.5 | -2.0 | .3 | .0 | -.3 | .5 | -1.0 | .0 | .0 | 1.0 | 1.3 | -2.7 | -3.5 | 2.7 | 3.9 | 2.7 | .3 | -4.2 | -2.7 | -1.2 | AN | AN | AN | 21 | 3.9 |
| 31 | AN | AN | AN | AN | AN | AN | AN | AN | AN | 4.7 | 7.1 | 14.6 | .7 | -.2 | .0 | 4.3 | 2.4 | -1.6 | .2 | .5 | .5 | 4.4 | 2.9 | .0 | 15 | 14.6 |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 30 | 29 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | | |
| MAX: | 10.8 | 38.9 | 12.3 | 8.7 | 5.9 | 9.1 | 10.1 | 9.1 | 11.3 | 13.4 | 16.1 | 15.8 | 21.2 | 10.0 | 8.5 | 9.4 | 30.0 | 4.5 | 7.3 | 7.6 | 7.9 | 12.0 | 10.8 | 11.5 | | |
| AVG: | .73 | 2.89 | 1.23 | .84 | .71 | 1.12 | 1.38 | 1.80 | 2.13 | 3.06 | 2.93 | 2.88 | 2.60 | 1.36 | 1.83 | 1.50 | 1.44 | .12 | .65 | 1.40 | 1.31 | 1.28 | 1.62 | 1.04 | | |

MONTHLY OBSERVATIONS: 723 MONTHLY MEAN: 1.57 MONTHLY MAX: 38.9

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-129-0002 POC: 3
COUNTY: (129) New Hanover
CITY: (10880) Castle Hayne
SITE ADDRESS: 6028 HOLLY SHELTER RD
SITE COMMENTS: CAROLINA POWER ELECTRIC METER NO. ACD-B87594-G35 85 409 257
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (170) SOUTHERN COASTAL PLAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
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LONGITUDE: -77.838611
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 12
PROBE HEIGHT: 4.8

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: FEBRUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.3 | 3.0 | 1.5 | 1.3 | 1.0 | -1.0 | -1.8 | -2.0 | 3.9 | 15.6 | 6.5 | AX | .2 6 | .0 | 2.7 | 1.2 | -2.3 | .7 | 10.2 6 | 8.0 6 | 5.6 6 | 11.0 | 11.2 | 8.8 | 23 | 15.6 |
| 2 | 5.6 | 6.4 | 11.0 | 6.9 | .5 | -2.0 | 8.4 | 9.6 | 7.1 | 4.4 | 6.1 | 4.9 | 5.6 | 3.4 | -.4 6 | 4.6 | 3.4 6 | .2 6 | 2.9 6 | 3.4 | 1.7 | .2 | 1.5 | 2.9 | 24 | 11.0 |
| 3 | 2.7 | 2.9 | 2.9 | -.4 | -5.0 | -5.0 | -3.0 | 8.1 | 6.4 | 4.9 | 5.6 | 2.9 6 | 2.9 | 3.1 | 4.4 | 4.4 | 5.6 | 2.9 6 | 2.9 | 7.3 6 | 5.6 | 3.1 6 | .5 | -1.2 | 24 | 8.1 |
| 4 | -1.7 | -1.7 6 | -1.2 6 | -.7 6 | -2.1 6 | -3.5 6 | -1.2 6 | -2.6 6 | -2.3 6 | -1.7 6 | -.2 6 | 5.1 6 | 1.2 6 | -3.8 6 | -4.8 6 | -1.8 6 | -1.2 | -2.1 | -2.3 | -2.6 | 1.4 | .0 | -2.1 | -1.3 | 24 | 5.1 |
| 5 | -3.5 | -3.8 | -2.3 | -.8 | -5.0 | -5.0 | .0 | .4 | 1.7 | 1.3 | .3 | 4.4 | 5.4 | 4.4 | 2.0 | 2.7 | 1.7 | 3.5 | 4.4 | 2.2 | 2.2 | 1.2 | -.5 | .0 | 24 | 5.4 |
| 6 | 1.3 | .1 | -1.0 | .1 | -1.0 | -.3 | 3.0 | -.3 | 2.0 | 2.5 | 2.0 | 3.2 | 2.5 | .8 | 1.0 | 2.5 | 2.3 | 2.3 | 1.3 | .3 | 8.4 | 5.2 | .1 | 1.0 | 24 | 8.4 |
| 7 | 1.3 | 2.2 | 3.2 | 2.3 | 1.0 | 2.5 | 1.0 | -3.5 | -3.0 | .0 | .1 | -2.0 | -1.7 | -.3 | -1.0 | 4.0 | 3.9 | 2.0 | 3.5 | 2.7 | 3.2 | 5.7 | 1.5 | .5 | 24 | 5.7 |
| 8 | 1.3 | .1 | -.3 | -1.5 | -2.0 | -2.2 | .0 | -2.0 | 3.7 | 8.1 | 6.9 | 3.7 | -2.0 | -3.7 | 1.0 | -.1 | -1.5 | .0 | -1.0 | 6.6 | 6.4 | 2.3 | .5 | 2.5 | 24 | 8.1 |
| 9 | 6.4 | 7.4 | 8.4 | 5.9 | 3.7 | 4.2 | 3.7 | 4.7 | 4.4 | .0 | -4.9 | -3.9 | -2.0 | -2.7 | -2.5 | -.3 | -1.0 | -2.7 | -3.2 | -4.2 | -5.0 | -5.0 | -4.7 | -3.7 | 24 | 8.4 |
| 10 | -3.0 | -3.9 | -4.4 | -2.5 | -1.7 | -2.7 | .0 | 1.5 | 2.5 | 1.5 | 3.0 | 3.0 | -.5 | -.8 | -1.9 | 4.0 | 2.3 | -.9 | .4 | 3.3 | 1.6 | 3.3 | 4.3 | 1.4 | 24 | 4.3 |
| 11 | 2.4 | 1.6 | -2.4 | -1.4 | -.4 | AN | AN | AN | 3.8 | 1.8 | .0 | -.7 | -.7 | 3.1 | 1.9 | 1.3 | 2.3 | 1.9 | AN | 3.8 | 2.3 | 3.3 | 2.6 | .6 | 20 | 3.8 |
| 12 | -.4 | 2.8 | 2.3 | 1.6 | 4.0 | 3.8 | 1.8 | .0 | 2.6 | -.2 | -2.4 | 1.4 | 1.4 | .6 | .0 | .0 | .9 | 1.9 | .4 | 2.1 | 9.9 | 8.5 | 11.6 | 8.2 | 24 | 11.6 |
| 13 | 8.0 | 12.8 | 10.4 | 7.7 | 14.5 | 16.0 | 17.2 | 9.7 | 12.4 | 8.5 | 3.3 | 1.4 | 1.6 | 2.1 | .0 | 3.3 | 2.6 | -1.1 | .4 | 1.1 | 3.3 | 2.9 | .6 | -1.9 | 24 | 17.2 |
| 14 | -1.4 | -2.6 | -1.6 | 1.1 | -1.6 | .4 | -.1 | -1.8 | -1.8 | -5.0 | -5.1 | -3.6 | -1.9 | -1.6 | -2.6 | -2.4 | -2.4 | -2.1 | 1.7 | 1.7 | -.2 | .2 | -.6 | -.9 | 24 | 1.7 |
| 15 | -1.1 | -3.6 | -3.6 | -2.3 | -1.4 | -.2 | 1.1 | 3.1 | 2.9 | 1.9 | AN | -1.1 | .9 | 2.9 | 3.1 | 3.6 | 1.9 | 4.1 | 6.0 | 4.3 | 3.4 | 5.3 | 3.4 | 3.1 | 23 | 6.0 |
| 16 | 3.3 | 1.1 | 3.1 | 5.8 | 4.6 | 2.8 | .4 | 5.3 | 1.6 | .0 | .7 | -1.4 | -1.2 | -3.1 | -5.1 | -5.0 | -5.2 6 | -4.1 6 | -2.9 6 | -2.4 | -1.2 | -1.4 | -1.1 | -.3 | 24 | 5.8 |
| 17 | -1.1 | -3.8 | -3.1 | .1 | .2 | -2.3 | -2.3 | -1.8 | -3.1 | -.1 | .9 | 3.9 | 4.8 | .9 | -.8 | 1.1 | .9 | .1 | .0 | .4 | .0 | -.9 | -.8 | -1.1 | 24 | 4.8 |
| 18 | 1.0 | 1.4 | 4.1 | 2.7 | -.1 | .2 | .5 | .7 | 3.6 | 3.4 | 2.7 | 1.9 | 5.1 | 5.3 | 3.6 | 1.9 | 7.3 | 6.3 | 2.9 | 4.6 | 3.9 | 1.9 | .9 | .7 | 24 | 7.3 |
| 19 | 3.4 | 4.4 | 4.1 | 5.3 | 2.9 | .7 | 2.4 | 2.4 | 3.4 | 3.9 | 2.4 | .2 | .2 | -.2 | -3.1 | -4.8 | -3.3 | -2.3 | -4.0 | -1.8 | 2.4 | 4.9 | 2.7 | .7 | 24 | 5.3 |
| 20 | 6.6 | 6.8 | 4.4 | 3.4 | 1.9 | 3.6 | 3.4 | 1.4 | 2.9 | 3.4 | 2.7 | 5.1 | 13.6 | 8.0 | 6.3 | 9.4 6 | 7.2 6 | 2.3 6 | 5.3 6 | 9.4 6 | 5.3 | 6.0 | 7.5 | 6.3 | 24 | 13.6 |
| 21 | 10.4 | 10.9 | 10.7 | 7.5 | 10.0 | 6.6 | 1.2 | -.3 | 9.0 | 19.4 | 6.1 | 15.8 | 11.3 6 | 9.4 6 | 8.9 6 | 13.5 | 12.8 | 8.2 6 | 8.2 6 | 8.0 6 | 8.5 6 | 6.0 6 | 5.5 | 15.0 | 24 | 19.4 |
| 22 | 12.8 | 10.2 | 12.0 | 8.2 | 7.2 | 4.8 | 12.0 | 8.0 | 5.5 | 8.7 6 | 9.9 6 | 5.8 6 | 2.6 6 | 16.9 6 | 12.0 6 | 10.2 6 | 11.5 6 | 6.7 6 | 7.0 | 6.5 | 3.6 | .9 | .4 | .0 | 24 | 16.9 |
| 23 | 2.1 | 5.5 | 5.1 | 2.9 | 1.9 | 2.6 | 2.4 | 1.7 | 2.9 | 2.9 | 20.9 | 10.0 | 9.9 | 9.7 | 7.5 6 | 6.5 6 | 3.8 | 4.3 | 3.3 6 | 3.3 | 5.8 6 | 2.9 6 | 3.3 6 | 1.6 6 | 24 | 20.9 |
| 24 | -3.6 6 | -3.8 6 | -2.5 6 | -2.6 | -1.9 | .7 | .7 6 | -1.2 | 4.6 | 4.6 | 10.0 | 8.7 | 7.0 | 5.3 | 7.3 | 3.8 | 8.0 | 5.3 | 9.4 | 9.7 | 6.0 | 14.3 | 10.8 6 | 5.7 6 | 24 | 14.3 |
| 25 | .9 6 | -4.3 6 | -5.1 6 | -4.1 6 | -1.2 6 | 1.4 | -1.5 | -5.1 | -5.1 | -2.1 | .7 | .3 | AZ | -2.9 | -3.4 | -5.1 6 | -2.5 6 | -.5 6 | -2.9 6 | -2.6 | -1.5 | -2.6 | -1.9 | .4 | 23 | 1.4 |
| 26 | -.4 | -.9 | -.2 | -2.6 | -3.3 | 3.2 | 3.6 | .7 | -.6 | -.7 | AN | -2.8 | -4.3 | -3.3 | -1.4 | 1.9 | .2 | -1.2 | .9 | AN | AN | AN | AN | AN | 18 | 3.6 |
| 27 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | -.5 | -.8 | -2.5 | -1.8 | .2 | 4.6 | 1.7 | 2.7 | .9 | -2.8 | AN | -1.3 | AN | AN | 11 | 4.6 |
| 28 | 8.1 | 6.2 | 5.4 | 3.5 | 2.5 | 1.3 | .6 | 1.0 | 8.4 | 8.1 | 4.4 | 1.0 | 12.4 | 4.8 | 1.4 | 13.3 | 5.8 | .9 | .7 | .9 | 3.4 | 5.8 | 10.0 | 6.6 | 24 | 13.3 |
| 29 | 8.5 | 5.8 | 7.1 | 17.5 | 6.6 | 7.5 | 9.2 | 9.2 | 6.8 | 4.6 | 3.6 | 1.9 | 6.6 | 6.6 | 8.1 | 13.1 | 11.4 | 11.4 | 15.1 | 11.6 | 7.5 | AN | AN | AN | 21 | 17.5 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 28 | 28 | 28 | 28 | 28 | 27 | 27 | 27 | 28 | 28 | 27 | 28 | 28 | 29 | 29 | 29 | 29 | 29 | 28 | 28 | 27 | 27 | 26 | 26 | | |
| MAX: | 12.8 | 12.8 | 12.0 | 17.5 | 14.5 | 16.0 | 17.2 | 9.7 | 12.4 | 19.4 | 20.9 | 15.8 | 13.6 | 16.9 | 12.0 | 13.5 | 12.8 | 11.4 | 15.1 | 11.6 | 9.9 | 14.3 | 11.6 | 15.0 | | |
| AVG: | 2.54 | 2.26 | 2.43 | 2.32 | 1.28 | 1.41 | 2.32 | 1.74 | 3.08 | 3.56 | 3.17 | 2.44 | 2.80 | 2.18 | 1.53 | 3.15 | 2.69 | 1.75 | 2.55 | 3.03 | 3.46 | 3.10 | 2.58 | 2.14 | | |

MONTHLY OBSERVATIONS: 667 MONTHLY MEAN: 2.48 MONTHLY MAX: 20.9

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-129-0002 POC: 3
COUNTY: (129) New Hanover
CITY: (10880) Castle Hayne
SITE ADDRESS: 6028 HOLLY SHELTER RD
SITE COMMENTS: CAROLINA POWER ELECTRIC METER NO. ACD-B87594-G35 85 409 257
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (170) SOUTHERN COASTAL PLAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 34.364167
LONGITUDE: -77.838611
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 12
PROBE HEIGHT: 4.8

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MARCH 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | AN | AN | AN | 6.9 | 7.6 | 12.2 | 12.9 | 9.1 | 14.1 | 12.6 | 28.5 | 14.1 | 13.6 | 16.3 | 6.6 | 7.6 | 10.2 | 11.6 | 11.1 | 14.8 | 14.3 | 11.4 | 6.6 | 6.6 | 21 | 28.5 |
| 2 | 4.8 | 5.8 | 7.3 | 5.1 | AV | AV | 4.1 | 7.0 | 3.9 | AX | AX | 1.0 | .7 | -.4 | -1.4 | -3.3 | -3.0 | -1.9 | AN | .4 | .0 | -.7 | -3.5 | -5.0 | 19 | 7.3 |
| 3 | -3.5 | -.2 | -1.8 | -2.7 | -2.3 | -1.8 | .0 | 2.5 | .4 | 1.3 | 1.0 | 1.0 | 3.2 | 10.0 | 5.6 | -1.4 | -1.4 | .7 | -1.7 | -1.9 | -.7 | 3.4 | 2.9 | .5 | 24 | 10.0 |
| 4 | .7 | 4.9 | 4.9 | .7 | -2.5 | 1.7 | .3 | -1.0 | -1.0 | -1.2 | -1.2 | -.5 | 2.7 | 8.3 | 6.1 | 11.7 | 9.3 | 4.6 | 3.9 | 2.2 | -1.0 | 1.5 | 7.1 | 4.4 | 24 | 11.7 |
| 5 | .0 | 3.3 | 4.0 | 3.0 | 4.0 | 3.2 | 5.2 | 6.2 | 5.7 | 6.2 | 10.5 | 4.4 | 5.4 | 11.9 | 7.5 | 3.9 | 8.5 | 8.0 | 5.1 | 4.6 | 6.3 | 3.2 | .7 | 3.9 | 24 | 11.9 |
| 6 | 3.9 | 5.4 | 6.1 | 6.6 | 6.1 | 10.5 | 7.6 | 7.8 | 5.4 | 9.8 | 7.8 | 8.3 | 15.1 | 2.6 | 3.1 | 5.1 | 6.8 | 9.0 | 7.8 | 8.5 | 4.9 | -.4 | -.4 | 5.4 | 24 | 15.1 |
| 7 | 4.9 | 3.0 | 2.7 | 4.7 | 3.5 | 2.3 | 4.5 | 3.3 | 8.4 | 10.0 | 5.6 | 2.7 | 14.3 | 7.0 | -.9 | 8.8 | 5.4 | 11.4 | 7.3 | 4.1 | 11.4 | 6.1 | 3.1 | 2.7 | 24 | 14.3 |
| 8 | 5.1 | 3.9 | 12.4 | 7.3 | 3.7 | 3.7 | 5.6 | 4.7 | 5.1 | 2.4 | 12.1 | 7.0 | 4.1 | 6.6 | 10.0 | 7.8 | 5.1 | 4.1 | 16.8 | 6.8 | 4.1 | .0 | 3.1 | 2.9 | 24 | 16.8 |
| 9 | 2.7 | 1.9 | 1.0 | -2.3 | -.7 | 1.2 | -3.5 | -.9 | 14.3 | 7.0 | -2.6 | -3.5 | .5 | 5.6 | 6.3 | 14.8 | 7.6 | 12.0 | 19.0 | 9.7 | 5.1 | 1.7 | 4.6 | 3.4 | 24 | 19.0 |
| 10 | -.2 | -1.7 | -1.9 | .9 | 5.8 | 3.9 | 2.2 | 3.9 | 5.8 | 8.0 | 5.1 | 6.8 | 7.6 | 11.7 | 7.1 | 10.7 | 8.8 | 4.4 | 11.9 | 6.8 | 10.7 | 6.6 | 2.4 | 12.4 | 24 | 12.4 |
| 11 | 6.6 | 4.4 | 2.7 | -.7 | 1.4 | 5.1 | 3.9 | 6.8 | 5.1 | 9.8 | 10.5 | 10.7 | 11.2 | 17.5 | 10.7 | 8.1 | 12.9 | 25.1 | 12.1 | 10.2 | 7.3 | 8.5 | 8.8 | 13.6 | 24 | 25.1 |
| 12 | 15.1 | 12.6 | 9.5 | 10.5 | 12.8 | 8.7 | 6.8 | 7.3 | 7.0 | 4.6 | 7.8 | 17.5 | 12.4 | 9.5 | 7.1 | 7.8 | 6.8 | 10.5 | 9.5 | 5.1 | 3.9 | 5.6 | 8.5 | 5.6 | 24 | 17.5 |
| 13 | 2.4 | -.5 | 1.7 | 2.2 | 3.6 | 2.9 | -.4 | -.7 | -1.8 | 5.1 | 11.7 | 11.2 | 9.5 | 7.3 | 11.2 | 13.1 | 10.7 | 8.3 | 6.1 | 5.1 | 8.3 | 8.3 | 4.1 | 8.0 | 24 | 13.1 |
| 14 | 7.0 | 4.1 | 2.7 | 2.4 | 5.3 | 5.3 | .9 | 8.0 | 8.8 | 9.5 | 5.1 | 6.6 | 7.1 | 5.3 | 7.1 | 8.1 | 5.3 | 13.1 | 9.7 | 9.5 | 7.5 | 9.5 | 7.0 | 10.5 | 24 | 13.1 |
| 15 | 5.8 | 4.8 | 5.1 | 3.2 | 5.8 | 8.0 | 6.5 | 8.0 | 5.6 | 5.8 | 4.1 | .2 | 5.6 | 1.9 | 1.5 | 3.9 | 6.3 | 2.2 | 3.6 | 13.1 | 11.2 | 8.8 | 8.7 | 14.1 | 24 | 14.1 |
| 16 | 9.2 | 5.5 | 4.6 | 10.7 | 8.5 | 5.1 | 6.3 | 7.3 | 20.7 | 14.8 | 15.3 | 13.6 | 13.1 | 13.8 | 17.0 | 29.8 | 22.2 | 16.5 | 24.6 | 25.6 | 27.5 | 29.0 | 30.7 | 33.1 | 24 | 33.1 |
| 17 | 24.8 | 21.2 | 24.4 | 19.4 | 17.2 | 13.8 | 14.8 | 16.8 | 13.1 | 12.0 | 6.1 | 4.1 | 2.0 | 6.8 | 15.8 | 10.7 | 11.7 | 9.7 | 18.7 | 14.1 | 14.1 | 7.5 | 11.9 | 13.1 | 24 | 24.8 |
| 18 | 10.2 | 10.0 | 19.9 | 17.2 | 16.5 | 6.6 | 8.0 | 5.6 | 3.1 | .5 | -.4 | .0 | 1.7 | 9.3 | 7.3 | 6.8 | 4.6 | 2.0 | 1.2 | 2.4 | 1.2 | -.9 | 2.7 | 3.9 | 24 | 19.9 |
| 19 | 1.7 | 1.5 | 2.9 | 2.9 | 2.4 | 1.7 | 5.3 | 6.8 | 6.8 | 7.1 | 7.3 | 10.7 | 14.4 | 9.5 | 6.6 | 9.8 | 11.5 | 6.4 | 4.9 | 6.6 | 9.5 | 10.7 | 7.3 | 3.4 | 24 | 14.4 |
| 20 | 4.4 | 1.7 | .2 | 2.4 | 1.9 | 4.6 | 4.1 | .5 | -1.3 | -.2 | -3.3 | -3.5 | -.6 | -.6 | -1.3 | 1.5 | 4.1 | 5.9 | 5.4 | 3.4 | 1.0 | 2.9 | 1.5 | -1.3 | 24 | 5.9 |
| 21 | 1.2 | .0 | 2.7 | 2.0 | 1.0 | 3.2 | 7.8 | 12.5 | 9.3 | 4.2 | 4.6 | 9.3 | 5.6 | 4.6 | 2.2 | .5 | 2.9 | 3.2 | 4.9 | 1.7 | -3.5 | 1.9 | 13.2 | 9.5 | 24 | 13.2 |
| 22 | 7.4 | 6.6 | 5.7 | 6.4 | 9.4 | 7.9 | 9.1 | 11.1 | 7.2 | 3.7 | .3 | -.9 | -.9 | -.4 | 3.4 | 4.6 | 4.4 | 7.1 | 18.5 | 27.6 | 29.0 | 7.3 | 6.3 | 9.0 | 24 | 29.0 |
| 23 | 10.7 | 6.8 | 2.7 | 1.2 | .2 | -2.5 | 3.9 | 4.9 | 19.5 | 8.8 | 4.6 | 4.9 | 9.1 | 11.7 | 7.8 | 14.9 | 8.8 | 7.8 | 5.1 | 10.8 | 7.3 | 6.1 | 20.7 | 8.1 | 24 | 20.7 |
| 24 | 8.8 | 14.1 | 8.1 | 5.8 | 6.6 | 2.9 | 3.7 | 8.5 | 4.1 | 6.1 | 7.3 | 8.6 | 12.6 | 12.2 | 12.2 | 11.0 | 4.7 | 1.5 | 2.7 | 3.9 | 3.4 | 6.8 | 6.8 | 3.9 | 24 | 14.1 |
| 25 | 4.9 | 4.1 | 13.6 | 12.5 | 7.6 | 6.6 | 7.6 | 8.1 | 6.6 | 5.9 | 6.4 | 8.6 | 5.6 | 2.7 | 4.4 | 5.4 | 10.5 | 6.8 | 4.4 | 3.9 | 8.8 | 10.0 | 10.7 | 10.2 | 24 | 13.6 |
| 26 | 10.0 | 10.8 | 7.6 | 9.0 | 11.7 | 9.8 | 12.6 | 10.5 | 11.7 | 7.3 | 10.2 | 11.2 | 9.8 | 14.3 | 7.1 | 5.6 | 9.3 | 9.5 | 5.4 | 4.9 | 8.3 | 17.7 | 3.4 | 7.1 | 24 | 17.7 |
| 27 | 14.6 | 18.2 | 26.1 | 4.4 | 13.9 | 22.9 | 12.6 | 12.9 | 19.2 | 19.7 | 16.5 | 12.0 | 12.0 | 9.0 | 15.3 | 1.7 | 1.2 | 5.8 | 5.8 | 5.8 | 4.1 | 6.8 | 3.6 | .2 | 24 | 26.1 |
| 28 | 4.9 | 6.6 | 4.9 | 4.4 | 7.3 | 5.1 | 3.7 | 2.7 | 3.7 | 12.9 | 9.3 | 7.6 | 6.6 | 6.1 | 11.7 | 12.7 | 7.8 | 8.6 | 8.8 | 6.8 | 11.5 | 12.1 | 8.0 | 6.1 | 24 | 12.9 |
| 29 | 8.8 | 2.7 | 1.7 | 5.4 | 4.4 | 5.6 | 6.3 | 6.1 | 8.3 | 4.6 | 7.0 | 5.8 | 8.3 | 8.1 | 6.8 | 13.6 | 7.3 | 1.0 | 5.8 | 18.7 | 7.0 | 5.8 | 3.9 | 1.9 | 24 | 18.7 |
| 30 | -.7 | -1.3 | .7 | 1.5 | 3.2 | 8.8 | 14.9 | 5.6 | 5.6 | 9.7 | 5.1 | 2.7 | 6.1 | 6.8 | 5.6 | 6.8 | 11.0 | 6.3 | 8.8 | 5.6 | 16.3 | 6.1 | 4.6 | 6.6 | 24 | 16.3 |
| 31 | 6.1 | AN | AN | AN | -2.8 | 3.2 | 7.6 | 14.8 | 19.7 | 13.6 | 21.7 | 23.4 | 24.2 | 12.4 | 16.8 | 7.6 | 10.0 | 10.0 | 5.6 | 8.8 | 9.0 | 7.6 | 10.2 | 7.6 | 21 | 24.2 |
| NO.: | 30 | 29 | 29 | 30 | 30 | 30 | 31 | 31 | 31 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 24.8 | 21.2 | 26.1 | 19.4 | 17.2 | 22.9 | 14.9 | 16.8 | 20.7 | 19.7 | 28.5 | 23.4 | 24.2 | 17.5 | 17.0 | 29.8 | 22.2 | 25.1 | 24.6 | 27.6 | 29.0 | 29.0 | 30.7 | 33.1 | | |
| AVG: | 6.08 | 5.52 | 6.28 | 5.10 | 5.44 | 5.74 | 5.96 | 6.67 | 7.87 | 7.39 | 7.47 | 6.63 | 7.83 | 7.98 | 7.30 | 8.05 | 7.46 | 7.46 | 8.43 | 8.05 | 7.99 | 6.80 | 6.75 | 6.82 | | |

MONTHLY OBSERVATIONS: 733 MONTHLY MEAN: 6.97 MONTHLY MAX: 33.1

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-129-0002 POC: 3
COUNTY: (129) New Hanover
CITY: (10880) Castle Hayne
SITE ADDRESS: 6028 HOLLY SHELTER RD
SITE COMMENTS: CAROLINA POWER ELECTRIC METER NO. ACD-B87594-G35 85 409 257
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (170) SOUTHERN COASTAL PLAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 34.364167
LONGITUDE: -77.838611
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 12
PROBE HEIGHT: 4.8

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: APRIL 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.5 | 4.9 | 12.2 | 13.9 | 14.1 | 10.7 | 5.1 | 15.3 | 5.8 | 7.3 | 6.8 | 1.7 | .5 | .0 | 2.9 | 2.7 | 8.1 | 13.4 | 20.4 | 15.3 | 20.7 | 15.1 | 9.0 | 6.6 | 24 | 20.7 |
| 2 | 17.0 | 2.9 | 6.3 | 9.3 | 4.9 | 4.6 | 12.9 | 6.8 | 9.8 | 8.8 | 10.0 | 7.3 | 9.0 | 11.5 | 5.4 | 8.8 | 6.6 | 8.3 | 6.1 | 4.1 | 4.6 | 4.1 | 6.3 | 6.3 | 24 | 17.0 |
| 3 | 2.9 | 2.4 | 4.6 | 3.1 | 3.6 | 7.0 | 5.6 | 60.1 | 1.2 | .7 | 3.4 | 1.7 | -.2 | 1.4 | 4.9 | 6.3 | 5.6 | 2.5 | 7.3 | 11.2 | 6.1 | 1.4 | -.7 | -3.5 | 24 | 60.1 |
| 4 | .0 | 1.5 | 5.6 | 4.2 | 3.4 | 3.7 | 5.6 | 15.6 | 8.1 | 16.3 | -4.5 | 1.5 | AX | BA | -5.0 | -2.8 | 4.9 | 6.3 | 8.1 | 4.6 | 7.5 | 6.8 | 5.8 | 3.4 | 22 | 16.3 |
| 5 | 3.2 | 3.9 | 5.1 | 3.2 | 2.4 | 6.8 | 5.8 | 6.3 | 5.1 | 4.8 | 5.3 | 6.6 | 3.4 | 2.2 | 3.4 | 3.9 | 3.7 | 3.6 | 1.2 | 2.2 | 2.7 | .5 | .5 | 1.7 | 24 | 6.8 |
| 6 | .5 | 1.5 | 1.0 | -.7 | 1.0 | 1.1 | 2.0 | 1.5 | -1.0 | 1.5 | 3.0 | 3.4 | 2.9 | 3.9 | 1.0 | .0 | 2.9 | 6.8 | 5.6 | 3.2 | 4.9 | 2.9 | -.9 | -.4 | 24 | 6.8 |
| 7 | 4.6 | 2.9 | -.4 | 2.5 | 5.4 | 3.2 | 3.4 | 2.2 | -.2 | 4.2 | 2.5 | 2.2 | 2.5 | 3.4 | 1.5 | -2.3 | 3.4 | 4.2 | 3.0 | 2.5 | .0 | 5.4 | 3.7 | -.9 | 24 | 5.4 |
| 8 | -1.1 | 4.6 | 2.0 | 2.9 | 2.7 | 1.7 | 1.0 | .7 | 2.9 | 1.2 | -.4 | 1.7 | .2 | .7 | -.6 | .2 | 1.0 | -.6 | .2 | -.4 | 1.7 | 1.9 | .5 | 4.1 | 24 | 4.6 |
| 9 | 2.2 | 1.2 | 5.1 | 2.9 | 2.7 | 2.2 | .7 | -.2 | -.4 | .7 | .2 | -.1 | 2.9 | 3.2 | .7 | .3 | 2.5 | 4.4 | 2.2 | -2.5 | -3.1 | .5 | .5 | -2.3 | 24 | 5.1 |
| 10 | -1.1 | 1.2 | -.6 | -2.3 | 1.0 | 1.3 | -2.5 | -2.0 | -.1 | -.6 | .0 | 1.0 | 1.5 | .5 | 1.5 | 3.9 | 2.9 | -.4 | -1.4 | 3.6 | 2.2 | 3.4 | 5.6 | 6.8 | 24 | 6.8 |
| 11 | 2.7 | 2.0 | 4.4 | 5.4 | 4.6 | 1.0 | -1.5 | -2.8 | 7.1 | 5.9 | 1.7 | 4.9 | 4.4 | 4.7 | 10.3 | 8.3 | 3.9 | 1.5 | 4.4 | 9.3 | 5.6 | 1.5 | -.6 | 12.2 | 24 | 12.2 |
| 12 | 12.4 | 5.6 | 8.1 | 2.7 | .0 | 3.7 | 4.2 | 2.9 | 6.8 | 7.1 | 4.9 | 4.9 | 12.7 | 10.8 | 16.6 | 11.0 | 10.0 | 5.1 | 5.8 | 6.8 | 4.4 | 6.6 | 3.4 | 9.1 | 24 | 16.6 |
| 13 | 16.1 | 4.1 | -.1 | -2.8 | 13.4 | 6.3 | 15.1 | -2.8 | 2.4 | 13.9 | 7.6 | 12.9 | 9.3 | 9.8 | 9.1 | 12.4 | 10.3 | 8.8 | 7.1 | 17.0 | 3.7 | 3.4 | 7.3 | 3.2 | 24 | 17.0 |
| 14 | -1.8 | -.2 | 1.0 | -1.6 | -3.8 | -2.0 | .0 | 3.2 | 4.2 | 3.4 | 12.9 | 6.1 | -5.1MD | -3.8 | .2 | 2.7 | 6.6 | 5.6 | 2.9 | 3.9 | 12.6 | 7.1 | 1.2 | -1.1 | 24 | 12.9 |
| 15 | -.2 | 1.0 | -.2 | -1.4 | .7 | .5 | 3.0 | 4.2 | 2.5 | 8.0 | 9.1 | 7.1 | 4.4 | 5.9 | 4.4 | 7.6 | 8.3 | 5.6 | 3.9 | 3.2 | 3.9 | 7.6 | 3.7 | 2.2 | 24 | 9.1 |
| 16 | 4.4 | 2.2 | 2.4 | 3.7 | 4.1 | 3.7 | 4.9 | 6.4 | 5.4 | 6.3 | 7.1 | 7.1 | 4.6 | 7.8 | 8.1 | 5.9 | 3.4 | 6.8 | 7.8 | 6.8 | 8.3 | 7.3 | 4.9 | 2.4 | 24 | 8.3 |
| 17 | 4.1 | 4.9 | 2.2 | .3 | 1.0 | .5 | -.1 | .3 | -.8 | .5 | 2.9 | 1.5 | 1.0 | 3.4 | 6.1 | 4.9 | 2.0 | -1.0 | -1.0 | 3.2 | 4.4 | -.2 | -4.7 | -3.3 | 24 | 6.1 |
| 18 | .5 | 8.6 | 5.4 | 3.0 | 3.7 | 3.5 | 2.8 | 8.1 | 5.1 | AX | BA | 7.8 | 4.9 | 1.7 | 3.5 | 6.9 | 8.1 | 6.1 | 3.2 | 4.9 | 2.2 | 15.8 | -1.1 | 1.2 | 22 | 15.8 |
| 19 | 9.8 | 5.8 | .0 | -.1 | 20.7 | 9.3 | 9.3 | 11.0 | 10.3 | 7.6 | 5.4 | 10.3 | 9.8 | 13.4 | 6.9 | 8.6 | 10.6 | 9.1 | 16.8 | 60.9 | 37.3 | 15.9 | 15.6 | 11.8 | 24 | 60.9 |
| 20 | 14.1 | 11.0 | 15.3 | 13.9 | 11.0 | 11.9 | 18.0 | 30.5 | 27.1 | 22.2 | 18.8 | 19.5 | 15.6 | 9.8 | 16.1 | 28.8 | 25.9 | 32.2 | 30.8 | 24.4 | 29.8 | 14.1 | 12.6 | 20.2 | 24 | 32.2 |
| 21 | 5.1 | 22.9 | 10.5 | 5.1 | 5.6 | 4.1 | 1.2 | 5.4 | 9.1 | 9.6 | 9.1 | 6.1 | 7.1 | 14.2 | 15.1 | 11.7 | 6.4 | 5.2 | 17.1 | 4.2 | 5.9 | 10.3 | 7.8 | 4.4 | 24 | 22.9 |
| 22 | 5.9 | 10.0 | 4.1 | .5 | 10.3 | 5.6 | 7.8 | 8.3 | 20.2 | 11.5 | 15.4 | 13.9 | 15.6 | 20.0 | 13.4 | 7.3 | 5.1 | 7.3 | 9.8 | 11.5 | 7.3 | 3.6 | 4.9 | 4.9 | 24 | 20.2 |
| 23 | .7 | -2.3 | -1.1 | 2.9 | 1.7 | 3.7 | 3.2 | 2.7 | 8.6 | 9.3 | 13.9 | 10.3 | 13.1 | 8.8 | 4.9 | 8.6 | 9.3 | 5.4 | 1.5 | 3.7 | 3.2 | 4.6 | 6.1 | 6.6 | 24 | 13.9 |
| 24 | 5.6 | 5.6 | 5.8 | 9.0 | 8.0 | 6.6 | 8.1 | 7.6 | 5.8 | 4.2 | 8.1 | 10.0 | 6.8 | 3.2 | 4.9 | 3.9 | 1.2 | 1.2 | 3.2 | 2.9 | 5.6 | 5.1 | 2.7 | -1.1 | 24 | 10.0 |
| 25 | .0 | -.4 | -.7 | .5 | .2 | 1.2 | 2.0 | 1.0 | -1.5 | 2.0 | 6.8 | 5.9 | 7.6 | 8.8 | 13.1 | 11.3 | 11.7 | 8.1 | 4.4 | 5.9 | 10.3 | 8.3 | 7.8 | 7.8 | 24 | 13.1 |
| 26 | 5.1 | 1.7 | 1.7 | 1.5 | .5 | 1.5 | 2.4 | 2.7 | 4.1 | 3.4 | 4.6 | 4.2 | 4.9 | 5.9 | 7.8 | 9.1 | 6.9 | 3.9 | 3.4 | 4.9 | 4.2 | 4.1 | 10.0 | 9.5 | 24 | 10.0 |
| 27 | 10.7 | 8.8 | 6.3 | 6.1 | 4.6 | 3.2 | 1.7 | 6.1 | 6.4 | 8.3 | 8.3 | 6.9 | 7.3 | 13.4 | 7.8 | 19.0 | 22.0 | 10.5 | 5.6 | 2.9 | 10.0 | 6.8 | 6.1 | 1.7 | 24 | 22.0 |
| 28 | 8.8 | 7.3 | 5.1 | 5.6 | .5 | -1.3 | 1.5 | 3.9 | 8.0 | 9.0 | 6.4 | 16.6 | 16.3 | 19.5 | 10.8 | 4.9 | 6.8 | 9.8 | 2.5 | 7.1 | 5.4 | 6.6 | 18.0 | .5 | 24 | 19.5 |
| 29 | 2.7 | 11.7 | 8.8 | 5.9 | 11.2 | 11.5 | 9.0 | 8.1 | 12.7 | 16.1 | 7.3 | 18.0 | 12.0 | 9.0 | 8.3 | 8.1 | 8.6 | 11.0 | 7.1 | 3.9 | 3.7 | 6.6 | 10.0 | 10.2 | 24 | 18.0 |
| 30 | 6.6 | 4.9 | 8.8 | 6.6 | 16.0 | 9.8 | 5.6 | 3.4 | 10.0 | 5.1 | 6.6 | 5.8 | 4.9 | 10.5 | 17.3 | 5.1 | 8.8 | 12.5 | 6.3 | 2.4 | 4.1 | 5.4 | 2.4 | 2.2 | 24 | 17.3 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 30 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 17.0 | 22.9 | 15.3 | 13.9 | 20.7 | 11.9 | 18.0 | 60.1 | 27.1 | 22.2 | 18.8 | 19.5 | 16.3 | 20.0 | 17.3 | 28.8 | 25.9 | 32.2 | 30.8 | 60.9 | 37.3 | 15.9 | 18.0 | 20.2 | | |
| AVG: | 5.03 | 4.74 | 4.29 | 3.53 | 5.17 | 4.22 | 4.59 | 7.22 | 6.16 | 6.84 | 6.32 | 6.89 | 6.20 | 7.02 | 6.68 | 6.90 | 7.25 | 6.77 | 6.51 | 7.79 | 7.31 | 6.08 | 4.95 | 4.21 | | |

MONTHLY OBSERVATIONS: 716 MONTHLY MEAN: 5.94 MONTHLY MAX: 60.9

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-129-0002 POC: 3
COUNTY: (129) New Hanover
CITY: (10880) Castle Hayne
SITE ADDRESS: 6028 HOLLY SHELTER RD
SITE COMMENTS: CAROLINA POWER ELECTRIC METER NO. ACD-B87594-G35 85 409 257
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (170) SOUTHERN COASTAL PLAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 34.364167
LONGITUDE: -77.838611
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 12
PROBE HEIGHT: 4.8

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MAY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14.1 | 8.5 | 8.8 | 9.8 | 12.6 | 10.7 | 7.3 | 14.6 | 13.4 | 13.4 | 17.0 | 11.7 | 11.5 | 10.7 | 5.8 | 8.3 | 11.7 | 6.8 | 4.4 | 6.1 | 8.6 | 7.5 | 7.3 | 10.0 | 24 | 17.0 |
| 2 | 4.9 | 1.2 | 1.4 | -.8 | 5.8 | 9.3 | 6.6 | 4.1 | 14.6 | 19.2 | AX | AX | -2.0 | -.1 | 4.9 | 5.6 | 1.0 | -5.0 | -5.0 | -1.8 | -3.8 | -2.3 | AJ | AJ | 20 | 19.2 |
| 3 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 4 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | BA | -5.1MD | 2.7 | 7.1 | 6.1 | 7.3 | 9.8 | 5.9 | 13.4 | 7.3 | 3.7 | 7.1 | 5.8 | 3.9 | 3.4 | 14 | 13.4 |
| 5 | 9.0 | 10.0 | 8.6 | 4.4 | 11.5 | 7.3 | 5.8 | 4.2 | 5.8 | 11.2 | 6.1 | 7.8 | 5.6 | 4.4 | 4.9 | 1.5 | -3.5 | 1.5 | .7 | 3.9 | 3.2 | 1.7 | 5.1 | 2.4 | 24 | 11.5 |
| 6 | 2.9 | 1.9 | -1.6 | 2.0 | 1.5 | -.9 | -1.1 | -2.6 | -1.8 | -1.8 | -1.1 | .0 | -.7 | -.2 | 1.2 | .0 | 2.0 | -.1 | -1.5 | 3.2 | 2.7 | 2.9 | 3.2 | .5 | 24 | 3.2 |
| 7 | 2.0 | 3.6 | 5.6 | 8.3 | 5.8 | 7.1 | 7.6 | 8.8 | 6.6 | 3.2 | 3.9 | 7.1 | 7.1 | 6.1 | 9.1 | 6.6 | 4.9 | 3.2 | 4.2 | 7.1 | 7.1 | 5.4 | 7.1 | 10.0 | 24 | 10.0 |
| 8 | 10.5 | 9.3 | 11.0 | 9.3 | 7.6 | 11.7 | 11.2 | 8.8 | 10.0 | 13.6 | 11.3 | 18.1 | 12.7 | 7.4 | 15.1 | 19.5 | 7.9 | 8.6 | 16.8 | 8.8 | 10.5 | 16.6 | 9.1 | 12.9 | 24 | 19.5 |
| 9 | 17.8 | 15.8 | 14.4 | 19.5 | 16.1 | 16.8 | 25.1 | 14.9 | 15.8 | 23.0 | 24.2 | 17.3 | 15.1 | 9.3 | 11.5 | 15.9 | 14.4 | 20.5 | 30.3 | 20.5 | 20.8 | 32.9 | 28.3 | 24.2 | 24 | 32.9 |
| 10 | 22.2 | 21.5 | 18.3 | 19.5 | 17.3 | 22.2 | 19.5 | 20.0 | 18.0 | 25.2 | 26.2 | 20.7 | 15.4 | 29.1 | 15.1 | 26.9 | 24.4 | 18.8 | 12.9 | 13.4 | 8.3 | 15.8 | 8.6 | 8.8 | 24 | 29.1 |
| 11 | 7.3 | 8.1 | 6.6 | 4.6 | 17.0 | 13.1 | 11.2 | 9.5 | 9.0 | 9.8 | 10.8 | 13.2 | 9.8 | 7.8 | 14.2 | 17.0 | 15.1 | 19.3 | 14.4 | 9.3 | 7.8 | 7.1 | 4.4 | 6.4 | 24 | 19.3 |
| 12 | 11.5 | 7.1 | 4.6 | 5.1 | 14.6 | 5.6 | 13.4 | 10.5 | 19.2 | 14.1 | 11.5 | 26.6 | 22.0 | 12.7 | 12.5 | AV | -.8 | 7.1 | 10.0 | 14.6 | 14.6 | 9.0 | 10.5 | 12.5 | 23 | 26.6 |
| 13 | 10.2 | 17.5 | 8.1 | 10.3 | 15.8 | 8.5 | 12.7 | 7.6 | AN | 13.0 | 6.8 | 6.6 | 4.4 | 19.2 | 13.9 | 5.1 | 5.1 | 4.2 | -3.8 | -3.5 | 3.9 | 2.9 | 4.9 | 7.6 | 23 | 19.2 |
| 14 | 4.6 | 5.6 | 8.3 | 7.3 | 6.1 | 4.9 | 2.2 | 6.8 | 11.2 | 5.9 | 1.2 | .7 | 6.6 | 8.3 | 4.4 | 4.9 | 6.9 | 8.1 | 5.9 | 9.5 | 10.3 | 5.6 | 9.3 | 7.8 | 24 | 11.2 |
| 15 | 7.8 | 11.7 | 6.1 | 3.2 | 4.1 | 3.9 | 3.4 | .7 | 5.6 | 3.9 | 8.3 | 4.6 | -.5 | 9.5 | 5.1 | 2.0 | 3.5 | 1.7 | 3.9 | 12.2 | 3.2 | 5.1 | 5.4 | 4.1 | 24 | 12.2 |
| 16 | 4.2 | 1.7 | 4.9 | 6.1 | 4.1 | 1.7 | 7.6 | 4.9 | 7.1 | 8.8 | 4.2 | 3.0 | AZ | 6.6 | 6.9 | 5.4 | 6.1 | 9.1 | 5.6 | 7.8 | 8.6 | 5.9 | 12.9 | 5.1 | 23 | 12.9 |
| 17 | 12.4 | 4.9 | 11.0 | 4.4 | 4.6 | 13.4 | 9.3 | 8.3 | 15.1 | 9.8 | 18.3 | 11.0 | 13.0 | 21.0 | 11.5 | 9.3 | 6.1 | 7.3 | 4.9 | 7.1 | 3.9 | 7.6 | 11.2 | 7.1 | 24 | 21.0 |
| 18 | 5.9 | 5.9 | 6.3 | 8.6 | 11.2 | 6.9 | 9.3 | 6.4 | 11.2 | 5.9 | 3.4 | 9.1 | 6.1 | 10.8 | 8.6 | 14.9 | 12.2 | 7.6 | 12.7 | 9.6 | 14.4 | 13.1 | 8.6 | 12.9 | 24 | 14.9 |
| 19 | 8.6 | 6.1 | 11.0 | 6.1 | 15.1 | 6.9 | 17.3 | 18.0 | 11.0 | 7.4 | 15.1 | 8.1 | 9.1 | 18.8 | 6.9 | 4.9 | 12.8 | 14.4 | 17.3 | 11.3 | 10.5 | 10.8 | 12.2 | 10.0 | 24 | 18.8 |
| 20 | 4.7 | 6.6 | 9.3 | 6.9 | 16.3 | 19.0 | 3.7 | 2.2 | 7.8 | 7.4 | 5.6 | 11.3 | 8.1 | 18.8 | 14.4 | 9.1 | 7.8 | 4.4 | 13.7 | 8.1 | 4.7 | 4.2 | 3.0 | 3.2 | 24 | 19.0 |
| 21 | 9.5 | 5.4 | 8.3 | 10.5 | 5.9 | 7.6 | 4.9 | 3.2 | 5.6 | 11.5 | 14.2 | 10.5 | 18.0 | 17.6 | 15.6 | 9.6 | 5.1 | 8.8 | 11.0 | 5.6 | 7.1 | 6.4 | 6.6 | 10.5 | 24 | 18.0 |
| 22 | 8.6 | 6.6 | 14.1 | 7.6 | 9.1 | 15.1 | 6.8 | 7.6 | 4.4 | 4.9 | 4.2 | 10.3 | 9.1 | 4.7 | 4.2 | 4.7 | 14.2 | 8.6 | 8.8 | 8.8 | 4.9 | 3.4 | 8.3 | 6.6 | 24 | 15.1 |
| 23 | 4.4 | 2.9 | 5.6 | 3.2 | 9.0 | 8.5 | 11.5 | 9.3 | 6.3 | 3.7 | 3.7 | 5.9 | 5.1 | 6.4 | 10.3 | 6.4 | 11.0 | 8.6 | 3.7 | 13.9 | 7.1 | 7.1 | 3.9 | 7.3 | 24 | 13.9 |
| 24 | 5.8 | 3.7 | 5.4 | 3.2 | 5.1 | 3.4 | 11.0 | 10.0 | 4.7 | 5.6 | 17.3 | 8.6 | 10.8 | 9.1 | 12.8 | 14.4 | 16.8 | 15.4 | 11.5 | 12.5 | 12.9 | 6.4 | 15.9 | 14.4 | 24 | 17.3 |
| 25 | 17.3 | -1.8 | 15.1 | 12.0 | 16.3 | -2.2 | 6.8 | BA | 5.2 | 11.3 | 16.8 | 18.3 | 11.8 | 13.0 | 15.1 | 9.1 | 10.8 | 11.3 | 16.6 | 18.3 | 12.4 | 9.3 | 20.5 | 9.5 | 23 | 20.5 |
| 26 | 9.3 | 19.2 | 8.8 | 9.3 | 18.0 | 22.9 | 29.6 | 12.5 | 16.6 | .8 | 1.7 | 13.7 | 17.6 | 13.4 | 8.1 | 4.2 | 21.0 | 12.0 | 4.9 | 7.6 | 8.8 | 6.6 | 5.6 | 6.9 | 24 | 29.6 |
| 27 | 6.6 | 3.2 | .7 | 7.6 | 13.9 | 12.1 | 18.8 | 22.2 | 11.7 | 16.1 | 11.3 | 16.6 | 5.4 | 12.5 | 8.1 | 10.0 | 12.0 | 13.4 | 10.0 | 12.5 | 6.4 | 4.2 | 3.9 | 4.9 | 24 | 22.2 |
| 28 | 9.5 | 7.3 | 9.3 | 4.4 | 17.8 | 4.4 | 5.9 | 4.6 | 1.5 | 14.4 | 16.3 | 7.6 | 6.9 | 5.6 | 5.9 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 15 | 17.8 |
| 29 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 30 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 31 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | BA | -1.5 | -1.3 | -.6 | 2.5 | 7.6 | .7 | -.6 | -.8 | -5.0 | -5.1MD | -5.0 | 1.0 | 11.2 | 6.1 | -3.0 | 15 | 11.2 |
| NO.: | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 25 | 25 | 27 | 27 | 27 | 27 | 28 | 28 | 26 | 27 | 27 | 27 | 27 | 27 | 27 | 26 | 26 | | |
| MAX: | 22.2 | 21.5 | 18.3 | 19.5 | 18.0 | 22.9 | 29.6 | 22.2 | 19.2 | 25.2 | 26.2 | 26.6 | 22.0 | 29.1 | 15.6 | 26.9 | 24.4 | 20.5 | 30.3 | 20.5 | 20.8 | 32.9 | 28.3 | 24.2 | | |
| AVG: | 8.91 | 7.44 | 8.08 | 7.40 | 10.85 | 9.23 | 10.28 | 8.68 | 9.42 | 9.62 | 9.33 | 10.02 | 8.80 | 10.58 | 9.08 | 8.63 | 8.65 | 8.30 | 8.00 | 8.34 | 7.67 | 7.86 | 8.68 | 7.92 | | |

MONTHLY OBSERVATIONS: 636 MONTHLY MEAN: 8.83 MONTHLY MAX: 32.9

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-129-0002 POC: 3
COUNTY: (129) New Hanover
CITY: (10880) Castle Hayne
SITE ADDRESS: 6028 HOLLY SHELTER RD
SITE COMMENTS: CAROLINA POWER ELECTRIC METER NO. ACD-B87594-G35 85 409 257
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (170) SOUTHERN COASTAL PLAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 34.364167
LONGITUDE: -77.838611
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 12
PROBE HEIGHT: 4.8

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JUNE 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 2 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 3 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AX | BA | 19.0 | 16.5 | 11.5 | 19.0 | 9.5 | 21.2 | 12.9 | 10.2 | 8.3 | 20.4 | 17.5 | -5.1MD | 9.5 | 5.6 | 14 | 21.2 |
| 4 | 7.8 | 3.6 | -4.0 | -5.1MD | -1.6 | .3 | 1.7 | 1.9 | -3.8 | 7.1 | 7.3 | 4.6 | 9.5 | 7.8 | 10.5 | 6.3 | 5.8 | 2.9 | .3 | -1.1 | -3.0 | 11.2 | 6.1 | 2.4 | 24 | 11.2 |
| 5 | 6.1 | 1.0 | -4.0 | -5.1MD | -5.1MD | 5.3 | 5.8 | -5.0 | -5.1MD | -.8 | -3.5 | -5.1MD | -.1 | 5.1 | 4.2 | 6.6 | 2.9 | -3.8 | -5.1MD | 8.0 | -3.0 | 8.0 | 4.8 | 4.4 | 24 | 8.0 |
| 6 | 3.2 | 6.6 | 12.4 | 15.1 | 3.6 | 1.9 | 4.9 | -5.0 | -5.1MD | -4.7 | -.3 | -2.5 | 3.9 | 3.2 | 6.3 | 13.7 | 11.7 | 8.0 | 21.7 | 1.0 | -2.6 | 19.7 | 7.5 | 2.9 | 24 | 21.7 |
| 7 | 4.1 | 16.5 | -.6 | -2.8 | -5.1MD | -5.1MD | -5.1MD | -5.1MD | -5.1MD | -5.1MD | -5.1MD | -5.1MD | -.8 | 9.7 | 8.8 | 4.2 | .6 | 1.5 | 4.6 | 15.8 | -4.7 | 3.6 | 3.6 | -2.1 | 24 | 16.5 |
| 8 | 5.6 | 8.1 | 13.4 | 6.8 | 3.2 | 6.1 | 9.5 | 6.6 | 3.9 | 3.7 | 6.1 | 4.6 | -.1 | -1.8 | 10.5 | 6.9 | 10.8 | 14.2 | 13.0 | 21.0 | 7.6 | 9.0 | 7.8 | 15.6 | 24 | 21.0 |
| 9 | 7.1 | 11.0 | 17.5 | 10.3 | 11.5 | 12.6 | 10.2 | 7.3 | BA | 13.5 | 8.8 | 8.3 | 3.9 | 4.2 | 10.0 | 5.4 | 8.8 | 5.1 | 7.8 | 5.4 | 6.8 | 5.9 | 18.7 | .7 | 23 | 18.7 |
| 10 | 8.1 | 5.9 | 1.5 | .5 | 5.9 | 16.3 | 12.2 | 7.8 | 5.9 | 4.4 | 3.4 | 5.1 | 4.9 | 4.2 | 4.9 | 6.1 | 7.4 | 8.1 | AN | -1.8 | 2.2 | 7.8 | 6.8 | 2.5 | 23 | 16.3 |
| 11 | -.3 | 7.1 | 5.4 | 6.6 | 5.1 | 3.4 | 10.0 | 15.6 | 14.6 | 13.9 | 13.9 | 22.0 | 15.1 | 13.2 | 17.3 | 10.8 | 7.3 | 7.6 | 14.1 | 7.3 | -2.0 | 19.5 | -5.1MD | 6.8 | 24 | 22.0 |
| 12 | 8.3 | 6.4 | 8.8 | 5.9 | 12.5 | 7.6 | 2.7 | 22.0 | 9.5 | 15.3 | 10.8 | 12.0 | 11.8 | 11.5 | 12.7 | 12.7 | 14.1 | 10.0 | 22.7 | 15.4 | 3.2 | 15.8 | 13.0 | 24.9 | 24 | 24.9 |
| 13 | 8.8 | 15.1 | 16.1 | 4.6 | 22.2 | 17.0 | 5.6 | 7.1 | 5.4 | 1.2 | 2.2 | 6.9 | 3.9 | 2.0 | 3.7 | 4.7 | 6.6 | 9.6 | 8.1 | 7.6 | 11.0 | 7.1 | 8.1 | 10.7 | 24 | 22.2 |
| 14 | 5.6 | 2.4 | 2.9 | 3.0 | 11.5 | 9.0 | 6.1 | 4.6 | 6.6 | 5.9 | 16.3 | 17.3 | 10.8 | 7.6 | 16.3 | -.3 | 1.0 | -3.7 | 1.7 | 2.7 | 3.0 | 9.3 | 5.6 | 5.1 | 24 | 17.3 |
| 15 | 6.8 | 5.6 | 5.6 | 17.0 | 19.5 | 15.4 | 11.0 | 20.7 | 13.0 | BA | 15.9 | 13.2 | 10.8 | 8.1 | 17.8 | -.5 | 23.2 | 8.3 | -4.2 | 2.2 | 7.3 | 12.2 | 13.9 | 9.5 | 23 | 23.2 |
| 16 | .3 | -5.0 | -3.7 | -5.1MD | 12.7 | 7.3 | -2.8 | -5.1MD | -1.6 | -2.1 | -5.1MD | 2.4 | 8.0 | 9.2 | 6.8 | 3.4 | 5.1 | 3.9 | AN | AN | AN | AN | AN | AN | 18 | 12.7 |
| 17 | AN | AN | AN | AN | AN | AN | AN | AN | AN | 4.9 | 5.8 | 6.6 | 3.6 | -.6 | -.1 | -2.1 | 8.3 | 9.7 | 16.8 | -5.1MD | -5.1MD | -5.1MD | -5.1MD | -5.1MD | 15 | 16.8 |
| 18 | -5.1MD | 8.8 | 19.7 | -5.1MD | 10.2 | 5.8 | 1.3 | 6.1 | 6.3 | 5.3 | 2.4 | 11.5 | 8.5 | 2.7 | -1.8 | .1 | .8 | -.8 | 1.3 | 2.9 | 1.3 | -1.6 | -1.8 | 2.4 | 24 | 19.7 |
| 19 | .0 | -1.3 | -1.1 | -2.6 | -3.1 | 1.5 | 1.2 | .8 | 3.1 | 9.7 | 7.6 | 2.4 | 1.0 | 5.6 | 12.5 | 6.6 | -1.3 | -1.1 | -.3 | -1.6 | .0 | 5.1 | AN | 6.1 | 23 | 12.5 |
| 20 | 3.1 | 5.3 | 6.5 | 2.9 | -.6 | 1.4 | 1.2 | 4.6 | 9.3 | 10.3 | 5.6 | 3.9 | 9.3 | 6.1 | 4.4 | 5.4 | 2.9 | 4.6 | 7.1 | 5.9 | 2.7 | 5.8 | 6.8 | 4.8 | 24 | 10.3 |
| 21 | 1.2 | 7.6 | 9.0 | 4.6 | 5.8 | 6.6 | 4.6 | 5.1 | 3.2 | 2.2 | 1.8 | 7.8 | 4.9 | 3.4 | 5.8 | 7.8 | 16.1 | 3.2 | 6.6 | 2.9 | 8.0 | 8.0 | 2.9 | 7.1 | 24 | 16.1 |
| 22 | 7.5 | 11.0 | 9.2 | 14.8 | 14.2 | 15.3 | 6.3 | 12.9 | 11.4 | 10.0 | 6.8 | 15.3 | 15.6 | 20.9 | 7.3 | 10.0 | 12.0 | 6.6 | 4.1 | 23.7 | 22.2 | 35.3 | 16.3 | 10.2 | 24 | 35.3 |
| 23 | 34.9 | -2.8 | 20.4 | -5.1MD | 11.5 | 19.4 | -5.1MD | -5.1MD | 7.6 | 18.7 | 15.3 | 9.5 | 19.5 | 13.2 | 18.5 | 24.9 | 24.7 | 27.1 | 18.0 | 16.5 | 15.8 | 5.6 | 30.5 | 21.7 | 24 | 34.9 |
| 24 | 20.7 | 24.1 | 28.7 | .5 | 6.5 | 4.1 | 14.2 | 5.3 | -.6 | 15.3 | 28.8 | 36.1 | 7.3 | 18.7 | -5.1MD | 16.5 | 27.8 | 12.9 | -5.1MD | 19.2 | 12.2 | 26.6 | 32.4 | 12.4 | 24 | 36.1 |
| 25 | 4.1 | -5.1MD | 18.7 | .0 | 27.5 | 11.7 | 5.8 | 14.4 | 17.0 | 15.5 | 17.7 | 24.9 | 21.7 | 37.0 | 27.4 | -1.8 | -3.6 | 5.1 | 6.1 | 16.7 | 14.9 | 14.4 | 9.2 | 1.3 | 24 | 37.0 |
| 26 | -1.3 | 23.4 | 23.6 | 3.6 | 22.1 | -2.1 | 1.7 | 9.5 | 11.9 | 7.0 | 11.9 | 15.1 | 14.2 | 8.3 | 18.0 | 7.5 | 10.0 | 20.2 | 5.8 | 4.1 | 6.1 | 5.1 | 29.0 | 19.4 | 24 | 29.0 |
| 27 | 30.4 | 33.8 | 5.1 | -.4 | 37.5 | 26.4 | 7.3 | 6.8 | 20.2 | 5.3 | 2.0 | 14.9 | 15.3 | .5 | 2.9 | 4.9 | 7.6 | 6.3 | 2.7 | -.6 | 9.2 | 5.3 | -1.1 | -5.1MD | 24 | 37.5 |
| 28 | 4.8 | 4.6 | .8 | -2.3 | -4.7 | 10.0 | 14.4 | 12.7 | 4.1 | 1.5 | 3.4 | 1.3 | 5.8 | 18.7 | 7.8 | -.4 | -3.3 | 2.4 | 18.7 | 12.4 | 7.3 | 14.2 | 7.5 | .0 | 24 | 18.7 |
| 29 | -1.8 | -3.5 | -5.1MD | -5.1MD | .6 | -3.3 | -4.5 | 14.8 | 13.2 | 28.5 | 9.0 | 23.7 | 6.3 | 21.2 | 14.4 | 26.7 | 30.5 | 30.5 | 33.4 | 36.1 | 24.4 | 32.1 | 18.0 | 7.1 | 24 | 36.1 |
| 30 | .5 | 7.0 | 20.4 | 11.0 | 12.4 | 6.3 | 24.9 | 26.6 | BA | 5.1 | 13.7 | 13.4 | 13.0 | 17.5 | .1 | -.6 | -2.3 | -1.8 | -.8 | 4.8 | 16.8 | -4.5 | 8.5 | 6.3 | 23 | 26.6 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 24 | 26 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 26 | 27 | 27 | 27 | 26 | 27 | | |
| MAX: | 34.9 | 33.8 | 28.7 | 17.0 | 37.5 | 26.4 | 24.9 | 26.6 | 20.2 | 28.5 | 28.8 | 36.1 | 21.7 | 37.0 | 27.4 | 26.7 | 30.5 | 30.5 | 33.4 | 36.1 | 24.4 | 35.3 | 32.4 | 24.9 | | |
| AVG: | 6.56 | 7.58 | 8.74 | 2.63 | 9.07 | 7.70 | 5.58 | 7.23 | 6.04 | 7.37 | 7.91 | 10.24 | 8.54 | 9.86 | 8.98 | 7.38 | 8.87 | 7.39 | 7.98 | 8.96 | 6.63 | 10.01 | 9.75 | 6.58 | | |

MONTHLY OBSERVATIONS: 642 MONTHLY MEAN: 7.84 MONTHLY MAX: 37.5

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-129-0002 POC: 3
COUNTY: (129) New Hanover
CITY: (10880) Castle Hayne
SITE ADDRESS: 6028 HOLLY SHELTER RD
SITE COMMENTS: CAROLINA POWER ELECTRIC METER NO. ACD-B87594-G35 85 409 257
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (170) SOUTHERN COASTAL PLAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 34.364167
LONGITUDE: -77.838611
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 12
PROBE HEIGHT: 4.8

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JULY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -.3 | -5.1MD | -5.1MD | -5.1MD | 8.8 | -5.0MD | -5.1MD | -.8 | 7.0 | 2.7 | .0 | 4.4 | AX | BA | -5.0MD | -5.0MD | -4.5 | .1 | 6.6 | -5.0MD | -2.3 | -1.6 | -2.8 | 5.6 | 22 | 8.8 |
| 2 | 4.1 | 1.7 | -5.1MD | -5.1MD | 29.2 | 18.2 | 6.6 | -5.1MD | -5.1MD | 10.2 | 1.5 | 14.7 | 8.3 | 6.1 | -.3 | -5.1MD | -1.5 | 3.4 | -2.0 | -5.1MD | 12.2 | 10.2 | 7.3 | 13.4 | 24 | 29.2 |
| 3 | 16.8 | -5.1MD | -5.1MD | -5.1MD | 10.7 | 6.8 | 15.3 | 21.9 | 1.0 | -5.1MD | -5.1MD | -5.0MD | 2.9 | 10.5 | 12.2 | 31.0 | 27.8 | 12.2 | 29.5 | 30.2 | 36.5 | 36.3 | 20.2 | -4.5 | 24 | 36.5 |
| 4 | -1.3 | -5.1MD | -5.1MD | -5.0MD | -5.1MD | -5.1MD | -5.1MD | -5.1MD | -3.1 | 2.4 | 3.9 | 3.6 | 6.8 | 37.3 | 9.3 | 6.8 | 9.7 | 17.5 | 21.9 | 9.3 | 1.0 | .3 | -.1 | -5.1MD | 24 | 37.3 |
| 5 | -5.1MD | -4.5 | -5.1MD | -5.1MD | 20.2 | -5.1MD | -5.1MD | -4.3 | -4.5 | -1.3 | 3.9 | .8 | .8 | 8.8 | 8.3 | 14.0 | 7.1 | 17.0 | 15.3 | 10.5 | 21.2 | 27.1 | 1.0 | -5.1MD | 24 | 27.1 |
| 6 | -5.1MD | -.8 | 1.5 | -5.0MD | -5.1MD | -4.3 | -5.1MD | -5.1MD | -5.0MD | .3 | 13.7 | 5.1 | .8 | 2.7 | .8 | 2.6 | 3.7 | 4.2 | 14.2 | 11.0 | 9.5 | -2.3 | .8 | 12.0 | 24 | 14.2 |
| 7 | 6.1 | -5.1MD | -5.1MD | -5.1MD | 12.4 | 12.2 | 6.3 | -3.0 | -5.1MD | AV | AV | -4.8 | -4.8 | -4.3 | -2.3 | 4.8 | 14.2 | 16.3 | 8.0 | 14.6 | 29.0 | 16.0 | 4.6 | -3.6 | 22 | 29.0 |
| 8 | 10.2 | 7.7 | .5 | -4.9 | 1.2 | .0 | -4.5 | -4.9 | -4.8 | -4.9 | -4.8 | 6.1 | 4.4 | 10.2 | 7.1 | 8.3 | 6.8 | 9.0 | 6.5 | 10.4 | 5.6 | 10.0 | 11.4 | 3.1 | 24 | 11.4 |
| 9 | -4.9 | -4.9 | -4.5 | 2.0 | -3.3 | -4.9 | -4.9 | 4.8 | -3.8 | -4.9 | 7.5 | 19.2 | 4.1 | 3.6 | 5.1 | 9.2 | 7.0 | 5.6 | 3.6 | 18.9 | 14.9 | -4.5 | -4.9 | -4.9 | 24 | 19.2 |
| 10 | 26.4 | -1.9 | 6.8 | 6.5 | 13.4 | 2.9 | 3.4 | -4.9 | -4.8 | 22.2 | 9.2 | 9.5 | 4.4 | -1.6 | 4.1 | 8.3 | 4.4 | .3 | 2.2 | -.4 | -1.6 | -2.6 | -4.9 | 1.0 | 24 | 26.4 |
| 11 | 27.8 | 29.2 | 33.8 | -.6 | -2.6 | -4.9 | -4.8 | -4.9 | -4.9 | .8 | 11.2 | 13.9 | 12.7 | 19.2 | -2.6 | .3 | 8.0 | 25.4 | 23.9 | 32.1 | 28.2 | 21.4 | .0 | -.6 | 24 | 33.8 |
| 12 | -4.9 | -4.9 | 5.3 | 5.8 | -3.8 | 2.2 | 20.9 | 14.2 | 7.3 | 7.0 | -3.6 | -4.8 | -4.8 | -4.9 | 7.8 | -.9 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 16 | 20.9 |
| 13 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 14 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | BA | 13.2 | 9.0 | 13.9 | 7.0 | 6.8 | 15.6 | 10.0 | 2.7 | -4.3 | .5 | 9.0 | 8.0 | 3.4 | 7.5 | 5.1 | -2.1 | 16 | 15.6 |
| 15 | .0 | 1.5 | -2.9 | -4.8 | -4.9 | 1.7 | .5 | AX | AX | BA | BA | 9.0 | 5.3 | 8.3 | 8.0 | .5 | -2.1 | 7.5 | 10.2 | -1.6 | 8.0 | -1.4 | -3.6 | -1.4 | 20 | 10.2 |
| 16 | 4.8 | 2.6 | -3.6 | -4.9 | 18.7 | 33.3 | 18.4 | -4.9 | 1.7 | 8.5 | 10.2 | 8.0 | .0 | -4.8 | 9.5 | 5.6 | 13.7 | 9.7 | 8.7 | 10.2 | 8.7 | 14.1 | 13.4 | 7.3 | 24 | 33.3 |
| 17 | 1.5 | 16.3 | 31.6 | -.4 | 10.4 | -2.3 | -4.9 | 22.4 | -4.9 | -4.9 | 21.4 | 5.1 | 2.5 | 6.6 | 17.5 | -1.3 | 1.7 | .8 | 8.0 | 6.3 | -2.8 | 6.3 | 13.9 | 4.6 | 24 | 31.6 |
| 18 | .3 | -3.3 | 13.4 | 16.5 | -4.9 | -4.8 | -4.9 | -4.9 | -4.9 | 19.7 | .3 | -2.8 | .8 | .5 | -4.8 | -4.8 | -4.8 | -4.8 | -4.8 | -4.8 | -4.9 | -4.3 | -4.9 | -4.9 | 24 | 19.7 |
| 19 | 4.1 | 2.2 | .8 | -4.8 | -4.9 | 5.8 | -4.5 | -4.3 | -1.8 | -4.9 | 4.3 | 14.1 | AN | -.1 | 1.0 | 12.9 | 29.0 | -4.8 | 21.9 | 11.2 | 3.1 | -4.8 | 12.9 | 7.0 | 23 | 29.0 |
| 20 | 1.7 | 3.1 | 24.9 | 15.5 | -4.9 | -4.9 | -4.8 | 3.1 | AN | AV | -5.0MD | -5.0MD | -1.5 | -3.8 | 1.6 | 7.3 | 2.5 | -4.9 | 10.7 | 5.6 | -5.1MD | 3.9 | 3.9 | -4.0 | 22 | 24.9 |
| 21 | -5.0MD | -5.0MD | 10.5 | 7.1 | 28.0 | 11.0 | 6.6 | -5.1MD | -5.1MD | 29.5 | 26.9 | 3.7 | -2.0 | -5.0MD | 7.8 | 2.2 | -5.0MD | -5.0MD | -.1 | 6.1 | 17.3 | 9.3 | AJ | AJ | 22 | 29.5 |
| 22 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | BA | 1.1 | -1.8 | -.6 | 16.5 | 7.1 | 6.8 | 2.0 | -2.3 | 12.7 | 12.5 | 3.2 | -4.0 | 9.0 | 5.8 | -1.3 | -5.1MD | 16 | 16.5 |
| 23 | -5.0MD | 4.1 | 36.3 | -5.0MD | -5.0MD | 13.2 | 13.2 | 17.0 | 15.6 | 7.1 | 15.6 | 13.5 | 6.6 | 18.5 | 15.8 | -.6 | 10.0 | 10.5 | 5.6 | -2.1 | -5.0MD | 18.0 | -5.0MD | -4.0 | 24 | 36.3 |
| 24 | -1.8 | -5.0MD | -5.0MD | 7.1 | 6.4 | -1.5 | 6.1 | 2.7 | -2.3 | .3 | 1.6 | 12.0 | 11.2 | 13.7 | 7.4 | 5.6 | 5.6 | 2.9 | 7.6 | 8.5 | 6.6 | 15.6 | 10.5 | 7.1 | 24 | 15.6 |
| 25 | 3.7 | -.6 | -1.6 | -5.0MD | -5.0MD | -5.1MD | 1.3 | 2.2 | 9.8 | 8.8 | 4.2 | -.1 | 15.8 | 3.2 | 4.2 | 3.4 | .3 | 4.9 | 20.7 | 15.3 | 14.3 | 20.2 | 21.2 | 16.1 | 24 | 21.2 |
| 26 | -5.1MD | 3.7 | 7.3 | 15.8 | 16.3 | 6.1 | 8.3 | .1 | -5.0MD | -5.0MD | -5.0MD | .1 | 2.9 | 10.0 | 6.3 | 6.6 | 11.7 | 11.5 | 10.5 | 6.8 | 8.8 | 6.1 | 14.0 | 22.2 | 24 | 22.2 |
| 27 | 8.8 | 3.4 | -5.0MD | -5.0MD | 22.2 | 2.2 | -2.1 | -4.7 | 23.9 | 11.5 | 6.8 | 2.2 | 8.8 | 11.5 | 3.9 | .8 | 14.5 | 9.1 | 9.1 | 21.7 | -.3 | 4.2 | 1.0 | -2.0 | 24 | 23.9 |
| 28 | -5.1MD | -5.0MD | -5.0MD | -5.1MD | -1.8 | 10.5 | 19.2 | 18.0 | 7.8 | 7.3 | 8.3 | 8.6 | 4.9 | 1.7 | 3.7 | 9.5 | 8.6 | 12.0 | 23.2 | 34.4 | 25.9 | 6.3 | 12.4 | 14.4 | 24 | 34.4 |
| 29 | 14.2 | 7.5 | -3.5 | -5.0MD | 20.4 | 18.2 | 18.3 | 13.4 | 12.5 | 3.9 | .8 | .8 | 2.5 | 5.4 | 1.7 | .1 | 7.1 | 5.9 | AN | AN | AN | 9.0 | 6.4 | .1 | 21 | 20.4 |
| 30 | -1.8 | 1.5 | -5.1MD | -5.1MD | -2.3 | -.3 | -1.8 | 5.6 | 14.0 | 14.6 | 8.8 | 14.6 | 18.0 | 15.1 | 26.2 | AV | AV | AV | AV | AV | AV | AV | 2.9 | 15.3 | 17 | 26.2 |
| 31 | 16.5 | -4.9 | -4.9 | -.9 | 4.6 | 1.9 | -1.3 | 1.9 | 7.0 | 10.2 | 13.4 | 11.9 | 9.5 | 5.3 | -3.6 | -4.9 | -4.9 | -.6 | 10.2 | 7.0 | 2.4 | 15.5 | -4.3 | 10.9 | 24 | 16.5 |
| NO.: | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 27 | 28 | 27 | 28 | 30 | 28 | 29 | 30 | 29 | 28 | 28 | 27 | 27 | 27 | 28 | 28 | 28 | | |
| MAX: | 27.8 | 29.2 | 36.3 | 16.5 | 29.2 | 33.3 | 20.9 | 22.4 | 23.9 | 29.5 | 26.9 | 19.2 | 18.0 | 37.3 | 26.2 | 31.0 | 29.0 | 25.4 | 29.5 | 34.4 | 36.5 | 36.3 | 21.2 | 22.2 | | |
| AVG: | 3.63 | .83 | 3.61 | -.38 | 6.05 | 3.50 | 3.05 | 2.42 | 2.03 | 5.30 | 5.83 | 6.06 | 4.81 | 6.76 | 5.42 | 4.06 | 6.39 | 6.38 | 10.50 | 9.45 | 9.02 | 8.63 | 4.68 | 3.31 | | |

MONTHLY OBSERVATIONS: 673 MONTHLY MEAN: 5.04 MONTHLY MAX: 37.3

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-129-0002 POC: 3
COUNTY: (129) New Hanover
CITY: (10880) Castle Hayne
SITE ADDRESS: 6028 HOLLY SHELTER RD
SITE COMMENTS: CAROLINA POWER ELECTRIC METER NO. ACD-B87594-G35 85 409 257
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (170) SOUTHERN COASTAL PLAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 34.364167
LONGITUDE: -77.838611
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 12
PROBE HEIGHT: 4.8

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: AUGUST 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.3 | -4.9 | 14.8 | 5.6 | 21.2 | -4.9 | -4.1 | -4.9 | AX | BA | -2.9 | 11.0 | 21.4 | 6.1 | 6.4 | 14.0 | 7.1 | 2.0 | 4.6 | .1 | -2.1 | 7.6 | 1.3 | 3.4 | 22 | 21.4 |
| 2 | 3.2 | -4.6 | -4.9 | -4.9 | -3.1 | 2.7 | 7.1 | 4.1 | 8.3 | 8.6 | 7.3 | 3.9 | 2.5 | 3.4 | -.9 | -.2 | 1.1 | 8.8 | 9.5 | 5.6 | -4.6 | -4.9 | 16.3 | 12.7 | 24 | 16.3 |
| 3 | 16.8 | 2.2 | -4.9 | -4.9 | -4.9 | 3.2 | -.4 | -4.9 | -4.9 | -4.9 | -4.9 | -3.6 | -3.9 | -4.9 | .6 | 8.3 | 5.6 | 14.4 | 7.3 | 5.6 | .6 | -2.9 | -4.9 | -4.9 | 24 | 16.8 |
| 4 | -4.9 | -4.9 | 13.9 | 6.6 | 15.6 | -4.9 | 13.9 | 23.4 | 15.1 | 10.5 | 5.1 | 4.9 | 7.3 | 3.4 | -.6 | 1.3 | 3.4 | 3.2 | 1.3 | .3 | 3.2 | 3.2 | .8 | -4.9 | 24 | 23.4 |
| 5 | -4.9 | -4.9 | -4.9 | -4.9 | -4.9 | -4.9 | -4.9 | -1.2 | 1.1 | .8 | -1.4 | 1.1 | 9.8 | 11.5 | 10.3 | 5.1 | -4.9 | -4.9 | -4.9 | 1.7 | 1.3 | -2.9 | -4.9 | -4.9 | 24 | 11.5 |
| 6 | -4.9 | -4.9 | -4.9 | -4.1 | 10.7 | 3.2 | -4.9 | -4.9 | -4.6 | 13.7 | 9.0 | 12.0 | 8.6 | 3.4 | 14.7 | .6 | 7.8 | 5.1 | 1.5 | -4.9 | -4.9 | 2.9 | -2.2 | -3.1 | 24 | 14.7 |
| 7 | 5.8 | 2.4 | 3.9 | 8.1 | 4.9 | -3.4 | -4.9 | 1.7 | 16.3 | -3.4 | -4.9 | 5.9 | 6.6 | 5.9 | 16.8 | 11.0 | 10.5 | 14.7 | 13.4 | 8.6 | 22.7 | 3.2 | 13.7 | 22.2 | 24 | 22.7 |
| 8 | 16.8 | -4.9 | 10.5 | 3.9 | 11.5 | .6 | 4.9 | 17.0 | .8 | -4.8 | 9.8 | 6.1 | 15.3 | 12.7 | 21.5 | 10.5 | 18.0 | 8.1 | 7.8 | 12.7 | 5.1 | 1.5 | 8.8 | 10.7 | 24 | 21.5 |
| 9 | 9.5 | -2.1 | -4.9 | -4.3 | 7.3 | 6.3 | -3.1 | -1.4 | 2.2 | 1.1 | .3 | 2.5 | 4.9 | 3.9 | 1.6 | 1.1 | -1.1 | -4.3 | 8.8 | 3.7 | -.2 | 15.6 | 17.0 | -3.4 | 24 | 17.0 |
| 10 | 1.9 | 10.7 | 3.2 | -2.6 | 12.0 | 5.6 | -4.1 | 5.6 | 9.8 | 4.9 | 1.6 | 7.1 | 3.2 | 1.3 | 1.8 | .8 | -1.9 | -4.5 | -1.6 | 3.0 | -1.1 | 3.2 | -.9 | -4.9 | 24 | 12.0 |
| 11 | -4.9 | -4.9 | 18.7 | -4.3 | 15.1 | -4.9 | -4.9 | 5.9 | 5.4 | 4.9 | 11.5 | 7.1 | 2.9 | -1.6 | -4.3 | -.9 | .1 | 5.1 | 4.2 | .3 | -4.9 | -4.9 | 12.4 | 9.8 | 24 | 18.7 |
| 12 | 2.2 | -3.6 | -2.9 | -4.9 | -4.9 | .6 | -3.6 | -3.1 | 11.0 | 9.8 | 4.9 | -.2 | -1.6 | -3.1 | -4.6 | -3.4 | -3.4 | -4.9 | 12.7 | 7.6 | -4.1 | -4.9 | 4.4 | -1.1 | 24 | 12.7 |
| 13 | -4.9 | -4.9 | -.7 | 7.3 | 9.0 | 1.5 | 11.2 | 3.4 | -4.9 | -4.9 | -4.9 | -1.1 | 8.6 | 3.7 | -4.9 | -4.8 | 1.1 | 5.4 | -.7 | 3.4 | 9.3 | .3 | -4.9 | .0 | 24 | 11.2 |
| 14 | -.2 | -4.9 | 6.1 | 3.4 | -4.9 | -4.9 | -4.9 | -1.7 | -.9 | -4.9 | -3.4 | .3 | 4.9 | 3.7 | -1.1 | -.7 | 3.7 | -.7 | -.7 | 7.6 | 5.1 | 1.9 | 13.7 | 8.0 | 24 | 13.7 |
| 15 | -4.8 | -4.4 | -.9 | -4.6 | -.7 | -1.4 | -4.9 | -4.9 | -4.9 | -2.4 | -3.1 | -4.6 | -4.6 | -.7 | 4.4 | 5.1 | .3 | -.9 | 2.2 | -2.2 | -4.9 | -4.9 | 2.9 | -3.4 | 24 | 5.1 |
| 16 | -4.9 | -4.9 | -4.9 | 5.4 | 5.1 | -3.1 | -4.9 | AJ | 3.4 | 2.2 | 4.4 | 3.2 | 3.0 | -.4 | -2.1 | .3 | -.2 | -1.2 | .3 | -.2 | -2.9 | -1.2 | -1.1 | 4.9 | 23 | 5.4 |
| 17 | 2.0 | 2.2 | 2.9 | -1.1 | 2.7 | 2.7 | -2.9 | -.2 | 2.9 | 2.7 | 2.2 | 4.4 | 6.1 | 3.9 | 2.9 | 1.6 | 5.9 | 3.9 | .6 | 1.5 | 2.7 | 10.0 | 2.7 | -4.6 | 24 | 10.0 |
| 18 | -2.4 | -.7 | -1.9 | 1.1 | 1.0 | 7.5 | 4.9 | 1.3 | -1.4 | 4.4 | 8.1 | 5.1 | 8.3 | 9.1 | 6.8 | 9.3 | 7.8 | 15.3 | 8.1 | 5.1 | 2.2 | 2.9 | 2.2 | 2.0 | 24 | 15.3 |
| 19 | -.2 | 6.6 | 4.9 | 1.3 | 8.6 | 7.8 | 5.1 | AN | 11.0 | 6.8 | 6.1 | 5.6 | 6.3 | 6.3 | 18.0 | 17.3 | 15.3 | 9.8 | 8.1 | 7.3 | -.4 | 6.3 | 3.4 | -2.4 | 23 | 18.0 |
| 20 | .5 | 1.0 | -2.2 | -4.8 | 2.2 | 2.4 | .6 | 1.3 | -.4 | 8.8 | 7.6 | 9.8 | 8.6 | 7.6 | 15.1 | 7.8 | 12.7 | 8.6 | 6.8 | 3.2 | 2.5 | 2.2 | 5.3 | 2.2 | 24 | 15.1 |
| 21 | 1.7 | 1.9 | -.4 | 3.6 | 7.8 | 5.8 | 3.2 | 5.1 | 4.4 | 2.9 | 12.7 | 9.0 | 18.8 | 10.5 | 14.4 | 7.6 | 17.8 | 11.0 | 12.5 | 14.6 | 9.3 | 11.2 | 12.7 | 7.8 | 24 | 18.8 |
| 22 | 5.6 | 9.8 | 11.7 | 5.1 | 11.0 | 6.3 | 3.2 | 8.6 | 5.6 | 2.5 | 1.3 | 2.7 | 1.3 | .6 | .8 | 4.9 | 5.4 | 3.9 | -.4 | .8 | 4.1 | 5.1 | 9.8 | 6.6 | 24 | 11.7 |
| 23 | 9.5 | 5.6 | 3.4 | 5.4 | 4.4 | 3.9 | 2.4 | 2.9 | 7.6 | 11.0 | 9.8 | 4.7 | -1.4 | .8 | 2.2 | 1.7 | AN | AN | AN | 4.6 | 6.1 | 3.7 | 2.5 | -.7 | 21 | 11.0 |
| 24 | .1 | 5.9 | 4.4 | 2.0 | .3 | 4.4 | 2.7 | -.2 | 2.7 | 3.0 | 2.5 | 4.4 | AZ | 9.1 | 6.6 | 6.1 | 5.6 | AN | AN | AN | AN | AN | AN | AN | 16 | 9.1 |
| 25 | AN | 11.7 | 11.7 | 7.1 | 5.4 | 4.1 | 5.4 | 6.3 | 8.6 | 7.3 | 2.0 | -3.4 | -1.1 | .8 | 2.0 | 2.9 | .1 | -.2 | 3.0 | 2.5 | .8 | 9.7 | 8.3 | 2.9 | 23 | 11.7 |
| 26 | 1.7 | 3.0 | 1.3 | -1.4 | -3.1 | .3 | -1.2 | 6.6 | 2.5 | -3.4 | 9.8 | 8.1 | 4.9 | .1 | 1.6 | 4.9 | 4.2 | 4.4 | 2.2 | 14.6 | 5.6 | 11.7 | 7.1 | 4.4 | 24 | 14.6 |
| 27 | 2.7 | 6.8 | 10.3 | 4.6 | 3.2 | 5.6 | 3.9 | 8.0 | 5.4 | .8 | 3.2 | 10.8 | 8.8 | 6.6 | 5.9 | 8.8 | 14.0 | 18.5 | 9.5 | 5.1 | 5.8 | 6.3 | 5.1 | 5.1 | 24 | 18.5 |
| 28 | 8.8 | 8.1 | 6.1 | 7.6 | 14.2 | 11.7 | 8.5 | 8.1 | 8.1 | 12.7 | 8.8 | 10.5 | 11.0 | 5.9 | 14.6 | 4.9 | 12.7 | 7.6 | 2.9 | 9.0 | 4.6 | 5.6 | 7.8 | 4.1 | 24 | 14.6 |
| 29 | 9.0 | 5.3 | 2.9 | 5.1 | 12.0 | 6.6 | 8.8 | 5.6 | 5.9 | 9.0 | 9.3 | 11.2 | 10.5 | 10.7 | 7.3 | 17.3 | -1.2 | 5.3 | 9.0 | 4.6 | 3.6 | 2.4 | 1.5 | 7.6 | 24 | 17.3 |
| 30 | 4.4 | 2.2 | 2.9 | 3.2 | 7.8 | 4.9 | 3.4 | 3.4 | 4.4 | 10.2 | 10.0 | 7.3 | 4.4 | 11.7 | 5.4 | 2.2 | 17.3 | 5.1 | 2.4 | 1.5 | 1.0 | 4.9 | .8 | 3.2 | 24 | 17.3 |
| 31 | 8.6 | 6.6 | 9.7 | 5.6 | 8.0 | .8 | -3.9 | 2.9 | .1 | -2.4 | 2.9 | 2.7 | 3.4 | 3.9 | 5.8 | 5.8 | 3.4 | 3.4 | 1.7 | -.9 | 1.3 | -.2 | -1.4 | 1.2 | 24 | 9.7 |
| NO.: | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 30 | 30 | 31 | 31 | 30 | 31 | 31 | 31 | 30 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 16.8 | 11.7 | 18.7 | 8.1 | 21.2 | 11.7 | 13.9 | 23.4 | 16.3 | 13.7 | 12.7 | 12.0 | 21.4 | 12.7 | 21.5 | 17.3 | 18.0 | 18.5 | 13.4 | 14.6 | 22.7 | 15.6 | 17.0 | 22.2 | | |
| AVG: | 2.67 | 1.05 | 3.38 | 1.46 | 5.63 | 2.13 | 1.02 | 3.23 | 4.02 | 3.58 | 4.02 | 4.79 | 5.96 | 4.38 | 5.45 | 4.88 | 5.61 | 4.90 | 4.56 | 4.21 | 2.23 | 3.15 | 4.67 | 2.68 | | |

MONTHLY OBSERVATIONS: 728 MONTHLY MEAN: 3.73 MONTHLY MAX: 23.4

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-129-0002 POC: 3
COUNTY: (129) New Hanover
CITY: (10880) Castle Hayne
SITE ADDRESS: 6028 HOLLY SHELTER RD
SITE COMMENTS: CAROLINA POWER ELECTRIC METER NO. ACD-B87594-G35 85 409 257
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (170) SOUTHERN COASTAL PLAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 34.364167
LONGITUDE: -77.838611
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 12
PROBE HEIGHT: 4.8

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: SEPTEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -1.2 | 2.4 | .5 | -4.9 | -4.9 | -3.2 | .1 | 1.0 | 3.6 | 2.7 | -.2 | 5.8 | 4.9 | 8.6 | 9.8 | 4.9 | 9.3 | 3.9 | 15.1 | .8 | 2.0 | 4.6 | 1.7 | 2.7 | 24 | 15.1 |
| 2 | 5.1 | 2.9 | 1.4 | .6 | -1.9 | -3.1 | -1.4 | .8 | .0 | .3 | -.2 | -2.9 | -4.9 | 1.0 | 4.6 | .5 | -4.9 | -4.9 | -1.9 | .0 | -3.6 | -4.9 | -4.9 | -4.1 | 24 | 5.1 |
| 3 | -1.9 | .8 | .3 | -.4 | 1.2 | .3 | -4.9 | -1.7 | -.9 | 1.0 | 2.4 | 2.7 | 5.8 | 9.5 | 6.3 | 1.0 | .8 | 2.2 | 6.6 | 6.6 | 6.3 | 4.6 | 3.9 | .8 | 24 | 9.5 |
| 4 | -.4 | 1.4 | 1.7 | 1.9 | 3.9 | 4.6 | 3.4 | 4.4 | 2.9 | 9.0 | 5.6 | .8 | 2.2 | 1.3 | 3.6 | 3.7 | 2.5 | 54.8 | 5.6 | 2.7 | .6 | .8 | 2.2 | 3.4 | 24 | 54.8 |
| 5 | 4.1 | .1 | .0 | 3.4 | 4.4 | 3.4 | 1.7 | 6.3 | 2.9 | 1.7 | 4.6 | 3.2 | 3.2 | 4.2 | 6.3 | 4.9 | 2.7 | 6.1 | 3.9 | 2.9 | .8 | -1.9 | .1 | 3.4 | 24 | 6.3 |
| 6 | 2.4 | 1.2 | 3.4 | 2.9 | 4.6 | 3.7 | 4.1 | 5.6 | 12.7 | 9.8 | 10.3 | 5.6 | AX | BA | 14.9 | 3.2 | 1.6 | 9.8 | 8.6 | 25.4 | 10.3 | 11.0 | 10.5 | 9.0 | 22 | 25.4 |
| 7 | 12.9 | 11.5 | 10.5 | 15.6 | 19.5 | 14.2 | 13.2 | 13.7 | 13.4 | 14.8 | 17.8 | 8.8 | 10.0 | 10.0 | 11.0 | 10.8 | 11.5 | 8.3 | 13.7 | 13.7 | 22.0 | 16.1 | 17.3 | 15.3 | 24 | 22.0 |
| 8 | 1.2 | 15.1 | 13.7 | 7.6 | 17.1 | 12.7 | AN | AN | 9.0 | 14.8 | 17.3 | 22.5 | 14.6 | 16.3 | 14.2 | 8.8 | AN | 13.0 | 20.9 | 21.5 | 18.8 | 20.5 | 14.4 | 16.1 | 21 | 22.5 |
| 9 | 9.0 | 4.9 | 3.4 | 10.0 | 11.2 | 7.8 | AN | AN | AN | AN | 7.6 | 14.6 | 11.7 | 9.3 | 10.8 | 8.6 | 9.0 | 10.0 | 11.7 | 13.4 | 8.3 | 3.9 | 5.1 | 6.8 | 20 | 14.6 |
| 10 | 10.0 | 6.3 | 2.9 | .1 | -2.1 | -.2 | 2.2 | 3.7 | 6.1 | 4.6 | 1.3 | .8 | 4.6 | 5.6 | 5.3 | 3.4 | 2.0 | 2.0 | 4.9 | 4.6 | 3.4 | 1.2 | 1.7 | 4.9 | 24 | 10.0 |
| 11 | 2.4 | 2.7 | 2.5 | 3.9 | 3.7 | 3.7 | 2.9 | 11.7 | 6.8 | 6.6 | 4.6 | 10.5 | 14.0 | 12.0 | 11.0 | 11.7 | 8.8 | 10.7 | 11.2 | 14.4 | 7.3 | 6.1 | 12.0 | 7.1 | 24 | 14.4 |
| 12 | 1.9 | 4.1 | 8.1 | 5.3 | 3.9 | 5.1 | 13.4 | 12.4 | 11.7 | 8.0 | 15.1 | 12.4 | 8.1 | 3.2 | .1 | 13.0 | 6.8 | 9.0 | 4.2 | 1.4 | 5.1 | 6.1 | 7.1 | 3.9 | 24 | 15.1 |
| 13 | 2.2 | 4.6 | 2.4 | -3.1 | -1.1 | 3.2 | 2.4 | .3 | .5 | 2.7 | 2.2 | 3.6 | -.4 | -4.6 | -1.9 | -1.2 | 2.4 | 4.1 | 4.9 | 8.1 | 4.4 | 3.6 | 7.8 | 3.9 | 24 | 8.1 |
| 14 | .6 | 4.9 | 2.4 | -.9 | 3.4 | 3.4 | 3.9 | 4.6 | 5.6 | 2.4 | 2.9 | 2.5 | -1.2 | 3.6 | 3.4 | 1.7 | 2.9 | 1.7 | .6 | .3 | .6 | -.2 | 4.1 | 2.7 | 24 | 5.6 |
| 15 | -1.7 | .6 | 2.9 | 1.5 | 5.3 | 1.3 | -4.9 | -4.9 | -1.9 | 8.8 | 6.1 | 2.7 | .6 | -.4 | .8 | 1.3 | -1.6 | -2.4 | .3 | .1 | -.7 | 2.5 | 1.7 | 3.6 | 24 | 8.8 |
| 16 | 7.3 | 7.6 | 15.3 | 2.7 | 4.4 | 10.2 | 5.9 | 8.8 | 11.7 | 9.3 | 9.5 | 7.8 | 8.5 | 14.0 | 10.2 | 10.3 | 10.0 | 5.6 | -1.9 | -1.7 | 1.3 | 3.2 | 2.2 | 5.4 | 24 | 15.3 |
| 17 | 10.3 | 5.6 | 1.0 | 2.4 | 6.6 | 10.5 | 6.8 | 11.7 | 9.0 | 5.6 | 3.4 | .6 | 4.6 | 3.9 | 1.1 | -.7 | 1.3 | 3.4 | 12.4 | 11.9 | 9.8 | 2.9 | 4.4 | 1.3 | 24 | 12.4 |
| 18 | -.2 | 2.4 | 2.2 | -2.2 | -1.9 | -3.1 | -1.4 | 1.7 | -.4 | .1 | 6.1 | 3.9 | 10.0 | 7.5 | 5.6 | 4.6 | 2.2 | -.7 | -.9 | .6 | 1.4 | 6.6 | 3.9 | -.9 | 24 | 10.0 |
| 19 | -1.2 | -2.6 | -3.4 | -2.4 | -2.7 | -4.4 | .6 | 3.2 | 1.7 | 2.7 | 4.8 | 2.0 | -1.2 | -1.2 | -4.1 | -1.9 | -.2 | -2.4 | -.9 | -2.4 | -4.6 | 1.5 | 9.0 | 5.1 | 24 | 9.0 |
| 20 | 1.9 | -.9 | -2.7 | -.9 | 3.4 | 1.3 | -1.2 | -1.2 | AX | AX | 5.4 | 6.1 | 3.7 | 2.4 | 5.6 | 6.6 | 3.4 | 3.7 | 2.4 | -.4 | 1.0 | 3.4 | 8.3 | 6.3 | 22 | 8.3 |
| 21 | 4.9 | 2.7 | -.2 | -1.4 | 1.9 | 4.4 | 2.9 | 1.0 | -2.7 | -.7 | 1.3 | 1.7 | 1.1 | 12.9 | 6.8 | -.9 | 2.7 | 3.6 | 9.5 | 6.8 | 1.7 | -2.6 | -.9 | 1.4 | 24 | 12.9 |
| 22 | .5 | -1.7 | .3 | -.9 | 10.0 | 8.3 | 4.4 | 2.2 | 1.7 | 1.7 | .1 | -3.7 | 3.2 | 4.9 | 2.5 | -.9 | -1.2 | -4.3 | -3.6 | -1.7 | -1.2 | -1.7 | -1.9 | 2.2 | 24 | 10.0 |
| 23 | 4.4 | 4.1 | 3.9 | 2.7 | 2.4 | 1.4 | -.2 | 3.2 | 3.9 | 3.9 | 2.9 | 7.6 | 4.6 | 3.2 | 4.9 | 1.0 | 2.7 | 5.4 | 6.1 | 3.6 | 1.7 | 2.9 | -.9 | -3.9 | 24 | 7.6 |
| 24 | -2.4 | 6.3 | 5.1 | -1.4 | -3.6 | 6.1 | 5.1 | 3.9 | 6.6 | 1.9 | 1.7 | 1.9 | 1.7 | 2.2 | 1.3 | 1.8 | 1.8 | 2.7 | 18.0 | -.7 | 6.8 | 5.6 | 8.8 | 8.5 | 24 | 18.0 |
| 25 | 8.3 | 10.0 | 6.1 | 6.3 | 6.1 | 12.2 | 10.0 | 8.5 | 11.2 | 10.2 | 10.5 | 15.1 | 9.3 | 9.7 | 8.0 | 8.0 | 4.6 | 6.8 | 5.8 | 2.7 | -.7 | -.4 | 8.0 | 4.6 | 24 | 15.1 |
| 26 | 1.4 | 7.3 | 3.6 | 2.4 | 1.7 | .8 | 4.4 | 5.8 | 4.4 | 6.8 | 6.6 | 6.1 | 12.0 | 7.1 | 7.3 | 6.1 | 9.3 | 10.2 | 6.6 | 3.7 | 8.8 | 14.2 | 8.3 | 5.4 | 24 | 14.2 |
| 27 | 10.7 | 10.2 | 6.3 | 6.3 | 4.6 | 2.2 | 2.9 | 1.7 | 8.0 | 6.6 | 4.9 | 4.6 | 4.4 | 2.4 | -.9 | 1.5 | 1.3 | -1.9 | 9.7 | 6.6 | 4.1 | 1.0 | -3.6 | -3.4 | 24 | 10.7 |
| 28 | .8 | 2.9 | AN | 3.4 | -3.4 | 3.2 | 3.7 | 13.2 | 5.8 | -3.4 | 4.9 | 9.0 | 8.8 | 5.4 | 5.1 | 3.7 | 6.8 | 5.4 | 7.1 | 2.7 | 2.4 | 2.9 | 1.0 | 8.5 | 23 | 13.2 |
| 29 | 1.7 | -4.8 | -2.9 | -3.1 | -2.2 | -.2 | 10.5 | 6.8 | .0 | -2.9 | -2.4 | .8 | -.2 | -1.9 | .8 | 1.7 | 5.6 | 7.1 | 3.6 | 2.4 | -.2 | -2.2 | 2.4 | -1.9 | 24 | 10.5 |
| 30 | -1.4 | -.2 | 1.7 | 2.4 | 4.1 | 3.6 | AV | -5.1MD | 3.7 | 4.2 | 3.9 | 2.5 | 3.0 | 1.1 | -2.6 | 3.9 | 2.5 | -3.3 | -1.4 | .1 | 10.5 | AN | AN | 7.4 | 21 | 10.5 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 29 | 30 | 30 | 30 | 27 | 28 | 28 | 28 | 30 | 30 | 29 | 29 | 30 | 30 | 29 | 30 | 30 | 30 | 30 | 29 | 29 | 30 | | |
| MAX: | 12.9 | 15.1 | 15.3 | 15.6 | 19.5 | 14.2 | 13.4 | 13.7 | 13.4 | 14.8 | 17.8 | 22.5 | 14.6 | 16.3 | 14.9 | 13.0 | 11.5 | 54.8 | 20.9 | 25.4 | 22.0 | 20.5 | 17.3 | 16.1 | | |
| AVG: | 3.12 | 3.75 | 3.19 | 1.99 | 3.32 | 3.78 | 3.35 | 4.40 | 4.89 | 4.76 | 5.37 | 5.32 | 5.06 | 5.28 | 5.06 | 4.04 | 3.68 | 5.65 | 6.09 | 5.00 | 4.28 | 3.84 | 4.61 | 4.18 | | |

MONTHLY OBSERVATIONS: 705 MONTHLY MEAN: 4.34 MONTHLY MAX: 54.8

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-129-0002 POC: 3
COUNTY: (129) New Hanover
CITY: (10880) Castle Hayne
SITE ADDRESS: 6028 HOLLY SHELTER RD
SITE COMMENTS: CAROLINA POWER ELECTRIC METER NO. ACD-B87594-G35 85 409 257
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (170) SOUTHERN COASTAL PLAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 34.364167
LONGITUDE: -77.838611
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 12
PROBE HEIGHT: 4.8

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: OCTOBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | 0 | |
| 2 | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | 0 | |
| 3 | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | 0 | |
| 4 | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | BC | BA | BA | AS | AS | AS | AS | AS | AS | AS | AS | AS | 0 | |
| 5 | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | AS | 0 | |
| 6 | AS | AS | AS | AS | AS | AS | AS | AS | AS | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | 0 | |
| 7 | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | 0 | |
| 8 | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | 0 | |
| 9 | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | SA | 0 | |
| 10 | SA | SA | SA | SA | SA | SA | BC | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | -4.7 | -1.8 | -1.5 | -1.8 | -1.3 | -.3 | 2.8 | 1.8 | -2.3 | -2.0 | 5.0 | 17 | 5.0 |
| 11 | 4.0 | -1.0 | .4 | 2.3 | 2.8 | 4.3 | 3.8 | 3.5 | 1.6 | -2.0 | -.3 | 2.1 | 1.2 | 5.0 | 3.1 | -1.7 | .2 | 2.1 | 1.1 | 1.1 | 1.6 | 2.1 | 1.1 | .5 | 24 | 5.0 |
| 12 | 1.0 | -.7 | -3.7 | -3.2 | -1.0 | -.5 | 1.1 | -2.2 | -3.7 | 1.0 | 1.4 | 4.1 | 6.8 | 3.4 | .5 | 1.3 | 1.9 | .0 | 2.4 | 1.9 | -1.0 | -1.2 | 1.1 | 1.6 | 24 | 6.8 |
| 13 | 1.4 | 3.6 | 2.1 | 1.2 | 1.9 | .9 | 5.3 | 5.5 | 3.4 | 1.0 | 1.4 | 2.7 | 1.3 | .3 | -.9 | -.5 | 4.1 | 2.4 | 6.5 | 4.6 | 3.8 | 5.3 | 5.0 | 4.3 | 24 | 6.5 |
| 14 | 4.1 | 5.8 | 7.3 | 17.2 | 14.0 | 10.2 | 8.5 | 9.5 | 8.8 | 4.1 | 3.4 | 4.6 | 3.9 | 7.3 | 10.2 | 6.8 | 3.4 | 3.9 | 6.5 | 7.3 | 2.6 | 4.4 | 5.8 | 1.2 | 24 | 17.2 |
| 15 | -.2 | .8 | -.5 | .3 | 1.2 | -.7 | -1.4 | 1.2 | -.2 | 1.0 | -.2 | -2.4 | -.2 | .6 | -.9 | -2.2 | -.2 | .9 | 1.0 | 3.1 | 1.2 | -1.4 | 2.9 | 2.6 | 24 | 3.1 |
| 16 | -1.4 | 1.9 | 3.1 | 2.2 | 3.2 | 4.8 | 3.1 | 3.6 | 3.6 | 1.9 | 1.4 | 1.9 | 1.0 | .8 | 1.0 | 5.3 | 5.3 | 9.5 | 3.4 | -2.4 | -2.2 | -2.4 | -2.7 | -2.9 | 24 | 9.5 |
| 17 | -.5 | .0 | -1.9 | -1.4 | -.2 | .7 | 1.2 | 4.8 | 6.3 | 8.0 | 3.4 | -.4 | 1.3 | 4.4 | 4.9 | 2.2 | -2.4 | -3.4 | .8 | .0 | -.2 | .9 | -.2 | -.9 | 24 | 8.0 |
| 18 | .7 | 1.9 | -2.9 | -2.4 | 2.7 | 5.6 | 2.9 | 4.1 | 5.6 | 3.1 | -.9 | 2.2 | 1.4 | 2.9 | 2.4 | 1.3 | 3.9 | 4.1 | 1.4 | 2.9 | 2.6 | 2.4 | 3.4 | 1.9 | 24 | 5.6 |
| 19 | .0 | 1.4 | 2.2 | .8 | .7 | 2.7 | .3 | .9 | 6.6 | 3.9 | 1.3 | 8.0 | 3.6 | .0 | 4.1 | 7.0 | 5.8 | 2.7 | .0 | -.9 | 1.0 | -2.2 | -3.9 | 1.9 | 24 | 8.0 |
| 20 | 2.2 | 1.9 | 2.9 | 2.9 | 3.1 | 3.4 | 3.8 | 4.8 | 5.8 | AX | AX | BA | BA | BA | BA | BA | BA | BA | BA | BA | BA | BA | BA | BA | 9 | 5.8 |
| 21 | BA | BA | BA | BA | BA | BA | BA | BA | BA | 4.1 | 3.4 | .5 | 2.9 | 6.3 | 4.6 | .8 | 4.6 | 7.8 | 3.4 | -3.2 | .7 | -1.2 | -5.2MD | -5.2MD | 15 | 7.8 |
| 22 | -4.2 | -.2 | .0 | -2.0 | -2.4 | -2.5 | -2.4 | -2.2 | -1.9 | -1.7 | -2.7 | -1.7 | .0 | -3.9 | -4.6 | -2.4 | -4.1 | -.2 | 2.2 | 3.6 | 1.2 | .7 | 1.9 | .4 | 24 | 3.6 |
| 23 | -.2 | -.7 | -.9 | -.4 | -.9 | -.7 | -5.2MD | 1.0 | 3.7 | 5.1 | 3.6 | .1 | -2.9 | -1.9 | -.2 | .6 | 1.5 | 2.9 | 1.7 | 1.7 | AN | .5 | .2 | -.3 | 23 | 5.1 |
| 24 | .5 | .0 | -1.2 | -.9 | .7 | 2.2 | 5.6 | 3.6 | 2.0 | 5.1 | 4.2 | 3.9 | 6.6 | 4.9 | 5.1 | 8.1 | 12.0 | 9.8 | 13.6 | 8.1 | 9.5 | 8.1 | 5.6 | 10.0 | 24 | 13.6 |
| 25 | 8.0 | 6.3 | 5.6 | 3.4 | 1.2 | 5.6 | 4.9 | 3.9 | .2 | -2.6 | -5.1MD | -5.1MD | .7 | .7 | -.4 | 3.4 | 3.7 | 1.2 | AN | -.9 | -.5 | -1.2 | -4.3 | -5.1MD | 23 | 8.0 |
| 26 | -2.6 | -1.9 | -2.9 | -.4 | 2.5 | 2.2 | 2.0 | 2.5 | 3.0 | 5.1 | 3.7 | 2.2 | 1.2 | .1 | 2.0 | 1.5 | -.4 | -.9 | -1.9 | -2.1 | .5 | 3.7 | 3.2 | .5 | 24 | 5.1 |
| 27 | 11.7 | 3.7 | .5 | -2.1 | 1.7 | 3.4 | 1.5 | 2.0 | .7 | .5 | 1.0 | .8 | .6 | -1.1 | -.1 | 2.0 | .8 | 1.5 | 3.7 | 2.2 | 6.1 | 6.1 | 3.9 | 3.9 | 24 | 11.7 |
| 28 | 4.4 | 2.0 | 1.5 | .5 | 2.2 | 2.7 | 4.9 | 3.7 | .5 | .1 | 5.4 | 7.3 | 8.8 | 10.0 | 6.6 | 12.0 | 10.1 | 13.5 | 7.6 | 9.1 | 7.8 | 6.4 | 4.2 | 4.9 | 24 | 13.5 |
| 29 | 6.6 | 6.4 | 7.3 | 2.9 | 2.9 | 3.9 | 3.2 | 2.9 | 3.4 | 4.9 | 2.7 | 1.5 | 2.5 | 4.4 | 2.5 | -.6 | 1.0 | -.2 | -1.6 | .1 | -.4 | 1.5 | 2.4 | 5.4 | 24 | 7.3 |
| 30 | 3.7 | 2.0 | 6.6 | 5.6 | 2.9 | 3.2 | 2.9 | 4.4 | 7.6 | 4.9 | 15.1 | 10.5 | 10.0 | 11.8 | 7.1 | 17.1 | 10.5 | 11.5 | 13.5 | 9.3 | 6.1 | 4.4 | 5.4 | 10.8 | 24 | 17.1 |
| 31 | 6.1 | 1.5 | 3.9 | 9.3 | 9.5 | 7.1 | 9.0 | 12.7 | 10.7 | 10.3 | 9.3 | 4.7 | 1.5 | 4.2 | 3.0 | 3.4 | 8.3 | 6.1 | 6.1 | 5.1 | 1.0 | 2.5 | 3.2 | 1.5 | 24 | 12.7 |
| NO.: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 20 | 21 | 20 | 21 | 21 | 21 | | |
| MAX: | 11.7 | 6.4 | 7.3 | 17.2 | 14.0 | 10.2 | 9.0 | 12.7 | 10.7 | 10.3 | 15.1 | 10.5 | 10.0 | 11.8 | 10.2 | 17.1 | 12.0 | 13.5 | 13.6 | 9.3 | 9.5 | 8.1 | 5.8 | 10.8 | | |
| AVG: | 2.27 | 1.74 | 1.47 | 1.79 | 2.44 | 2.93 | 2.75 | 3.47 | 3.35 | 2.88 | 2.58 | 2.39 | 2.61 | 2.64 | 2.30 | 3.04 | 3.25 | 3.52 | 3.56 | 2.54 | 2.16 | 1.77 | 1.48 | 2.00 | | |

MONTHLY OBSERVATIONS: 495 MONTHLY MEAN: 2.54 MONTHLY MAX: 17.2

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-129-0002 POC: 3
COUNTY: (129) New Hanover
CITY: (10880) Castle Hayne
SITE ADDRESS: 6028 HOLLY SHELTER RD
SITE COMMENTS: CAROLINA POWER ELECTRIC METER NO. ACD-B87594-G35 85 409 257
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (170) SOUTHERN COASTAL PLAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 34.364167
LONGITUDE: -77.838611
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 12
PROBE HEIGHT: 4.8

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: NOVEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.7 | 4.1 | -.4 | -5.1MD | -5.2MD | .5 | -2.1 | -5.1MD | AX | BA | 1.0 | 2.5 | 3.9 | 5.1 | 5.1 | 3.4 | 3.7 | 7.3 | 7.3 | 5.1 | 5.1 | 5.1 | 16.3 | .1 | 22 | 16.3 |
| 2 | 1.5 | 1.2 | -.7 | 3.2 | 14.4 | 4.4 | 4.1 | 3.7 | 6.8 | 6.3 | 5.4 | 4.4 | 3.7 | 3.0 | 3.0 | 4.2 | 3.7 | 6.1 | 4.9 | 3.4 | 1.7 | 6.1 | 11.2 | 9.3 | 24 | 14.4 |
| 3 | 3.2 | -2.4 | -.4 | 5.4 | 3.4 | .0 | 2.2 | 9.3 | 6.4 | 2.2 | 2.7 | 6.4 | 5.1 | 3.9 | 4.2 | 5.6 | 8.6 | 5.4 | 2.7 | 4.1 | 3.7 | 2.5 | 6.9 | 4.6 | 24 | 9.3 |
| 4 | 3.9 | 5.9 | 6.4 | 4.2 | 5.6 | 9.5 | 3.4 | .7 | 3.9 | AN | AN | -1.1 | -1.1 | 2.0 | 3.2 | 8.6 | 3.9 | 3.4 | 4.4 | 6.3 | 4.6 | 4.1 | 2.9 | 3.4 | 22 | 9.5 |
| 5 | 3.9 | 2.4 | 2.4 | 2.2 | 4.1 | 1.9 | -1.4 | -2.9 | 2.7 | 3.7 | .1 | 3.2 | 2.7 | .1 | 2.7 | 3.2 | 8.1 | 7.1 | 1.7 | 1.5 | 1.0 | -2.9 | -2.4 | -.6 | 24 | 8.1 |
| 6 | 1.0 | 1.5 | 1.5 | 2.0 | 2.5 | 1.7 | 2.7 | 6.1 | 5.1 | 3.4 | 6.3 | 4.6 | .5 | 2.7 | 3.2 | 1.7 | 2.7 | 14.4 | 5.1 | 1.5 | 1.0 | .2 | -.9 | -2.2 | 24 | 14.4 |
| 7 | .7 | 2.7 | 3.7 | 7.6 | 3.9 | -.4 | 1.2 | 2.7 | 2.0 | 1.7 | 2.7 | -.2 | -1.2 | -1.1 | -.2 | 2.7 | 2.0 | 8.3 | AN | AN | -5.2MD | -3.9 | .1 | -.1 | 22 | 8.3 |
| 8 | 2.3 | 2.5 | 2.5 | 3.5 | 3.9 | 2.0 | -.1 | 6.6 | 6.6 | 6.9 | 4.2 | 11.7 | 6.1 | 2.5 | 2.7 | 5.4 | 4.6 | 4.9 | 3.4 | .5 | .7 | 2.5 | 3.4 | 4.6 | 24 | 11.7 |
| 9 | 4.6 | 3.7 | 4.2 | 3.7 | 3.7 | 6.6 | 6.1 | 5.9 | 4.6 | 3.4 | 5.9 | 3.6 | 3.9 | 6.8 | 7.6 | 7.8 | 17.5 | 18.5 | 19.2 | 13.6 | 7.6 | 5.4 | 2.7 | 2.0 | 24 | 19.2 |
| 10 | 1.9 | 2.7 | 2.9 | .7 | 3.2 | 2.9 | .8 | -.4 | -.4 | 5.4 | 5.1 | -.7 | -5.1MD | -.6 | 1.2 | 1.5 | 1.2 | .5 | .5 | 1.9 | 2.2 | .7 | -4.1 | -5.0 | 24 | 5.4 |
| 11 | -1.1 | 4.5 | 6.2 | 7.1 | 6.9 | 8.8 | 5.2 | 13.0 | 31.0 | 43.8 | 60.4 | 20.0 | 10.3 | 21.7 | 12.7 | 13.0 | 21.2 | 21.2 | 18.7 | 17.5 | 13.4 | 11.2 | 6.3 | 2.9 | 24 | 60.4 |
| 12 | 2.9 | 6.3 | 4.1 | .2 | 2.5 | 2.2 | 1.0 | -.6 | -3.6 | -2.6 | .0 | .8 | 2.7 | -.9 | -3.6 | -1.9 | -.4 | 8.1 | 5.6 | 1.2 | -3.1 | -3.9 | -1.6 | 1.2 | 24 | 8.1 |
| 13 | 1.3 | 4.7 | 3.5 | 4.0 | 4.5 | 3.0 | .6 | -.3 | 2.5 | 1.0 | .8 | 8.6 | 4.1 | 2.7 | 5.4 | 2.5 | 4.2 | 5.6 | 4.6 | 2.9 | 3.4 | 1.5 | -1.4 | .5 | 24 | 8.6 |
| 14 | 4.6 | 5.4 | 3.2 | .3 | .5 | .7 | 3.7 | 3.2 | 6.6 | 6.9 | 3.2 | 4.9 | 5.1 | 6.8 | 9.1 | 8.3 | 6.6 | 6.1 | 4.9 | 6.4 | 4.9 | 6.8 | 5.9 | 8.3 | 24 | 9.1 |
| 15 | 4.9 | 9.0 | 8.6 | 8.8 | 10.2 | 10.3 | 5.9 | 7.1 | 4.9 | -.4 | -.4 | 2.0 | 2.0 | .7 | 3.9 | 5.4 | 11.7 | 11.0 | 9.3 | 8.1 | 9.5 | 6.4 | 3.9 | 3.2 | 24 | 11.7 |
| 16 | 7.6 | 8.8 | 10.5 | 10.3 | 10.3 | 5.6 | 6.4 | 6.6 | 22.7 | AX | AX | 15.3 | 5.6 | 7.1 | 6.8 | 12.5 | 10.0 | 13.4 | 10.0 | 7.8 | 8.0 | 10.7 | 10.7 | 9.3 | 22 | 22.7 |
| 17 | 10.7 | 10.5 | 9.8 | 8.6 | 9.5 | 7.4 | 16.3 | 15.9 | 23.0 | 26.4 | 13.9 | 10.5 | 8.6 | 4.4 | 5.9 | 8.8 | 6.1 | 6.8 | 3.7 | 5.1 | 4.6 | 4.4 | 6.6 | 7.3 | 24 | 26.4 |
| 18 | 5.1 | 5.6 | 9.5 | 13.4 | 11.3 | 13.8 | 11.8 | 10.5 | 14.4 | AZ | AZ | 12.2 | 9.8 | 16.1 | 17.6 | 20.2 | 20.7 | 26.6 | 19.7 | 11.0 | 16.8 | 16.6 | 14.1 | 17.8 | 22 | 26.6 |
| 19 | 14.6 | 11.2 | 13.9 | 12.5 | 14.9 | 13.4 | 13.4 | 12.7 | 26.4 | 23.2 | 21.7 | 16.6 | 13.0 | 13.6 | 8.1 | 8.6 | 18.5 | 18.5 | 3.4 | 1.5 | 1.0 | -.7 | .2 | .5 | 24 | 26.4 |
| 20 | -1.9 | 1.0 | -1.6 | -4.6 | -2.6 | -2.1 | 5.7 | 5.2 | 1.0 | 4.4 | 4.2 | 9.3 | 5.8 | 1.2 | -1.4 | -.9 | -.8 | -.8 | 4.9 | 3.7 | -.6 | -3.8 | 2.5 | 7.4 | 24 | 9.3 |
| 21 | 4.4 | 6.6 | 5.4 | 2.5 | 1.7 | -.4 | -.4 | 4.7 | 5.2 | 3.0 | 4.7 | 6.6 | 3.4 | .2 | -1.6 | -1.4 | .2 | 2.9 | .7 | -4.1 | -5.1MD | 1.0 | 4.7 | 4.7 | 24 | 6.6 |
| 22 | 4.0 | 4.9 | 5.2 | 5.4 | 3.4 | 2.7 | 3.9 | 3.5 | 2.5 | 3.0 | 2.0 | 2.7 | 4.6 | 8.1 | 3.9 | .0 | 15.3 | .0 | -2.4 | -.7 | 2.5 | 2.5 | 2.3 | 2.8 | 24 | 15.3 |
| 23 | 3.7 | 3.5 | 3.0 | 1.8 | .4 | -1.1 | 4.9 | 4.5 | 5.6 | 11.5 | 8.3 | 8.8 | 15.1 | 6.8 | 3.9 | 1.5 | 7.3 | 6.4 | 4.4 | 2.2 | .5 | -.7 | 5.4 | 7.1 | 24 | 15.1 |
| 24 | 6.8 | 6.3 | 9.0 | 10.5 | 6.6 | 5.3 | 4.8 | 5.1 | 6.8 | -.2 | -2.1 | 2.7 | 1.7 | 3.4 | 3.9 | 4.2 | 2.7 | 2.7 | 5.6 | 3.9 | 1.5 | 4.4 | 5.3 | 2.2 | 24 | 10.5 |
| 25 | 2.9 | 4.8 | 7.1 | 3.6 | 5.3 | 4.9 | 4.4 | 4.4 | 9.0 | 9.5 | 5.6 | 5.1 | 3.4 | 4.9 | 8.1 | 6.8 | 11.2 | 5.9 | 12.2 | 16.8 | 4.6 | 10.7 | 9.0 | 12.0 | 24 | 16.8 |
| 26 | 11.5 | 7.3 | 12.0 | 13.6 | 10.0 | 6.3 | 9.0 | 18.2 | 17.7 | 26.1 | 18.5 | 19.0 | 18.7 | 15.6 | 12.7 | 12.5 | 11.2 | 13.3 | 10.5 | 6.6 | 1.9 | 2.9 | 6.6 | 4.4 | 24 | 26.1 |
| 27 | 3.7 | 7.6 | 4.2 | 5.2 | 3.0 | 2.7 | 3.0 | 3.9 | 2.2 | 4.6 | 5.9 | 4.1 | 3.6 | 4.4 | 5.3 | 2.7 | 5.1 | 3.9 | -.3 | -2.9 | 1.0 | 3.9 | 2.7 | 6.1 | 24 | 7.6 |
| 28 | 4.2 | 1.3 | .4 | 4.9 | 4.9 | 3.7 | 4.9 | 2.7 | 3.2 | 6.4 | 4.9 | 10.7 | 4.6 | 3.2 | 1.4 | -.7 | 2.7 | 6.1 | 5.6 | 2.9 | .7 | .0 | 4.1 | 2.5 | 24 | 10.7 |
| 29 | .3 | 4.1 | 4.6 | 7.1 | 6.6 | 6.3 | 6.3 | 7.1 | 8.3 | 12.7 | 13.0 | 7.6 | 8.1 | 12.7 | 8.6 | 9.3 | 9.3 | 10.7 | 9.8 | 8.3 | 4.1 | 2.9 | 2.4 | 3.2 | 24 | 13.0 |
| 30 | 3.6 | 6.8 | 6.8 | 6.6 | 9.5 | 5.1 | .7 | 8.8 | 8.1 | 3.7 | 6.1 | 5.8 | 6.3 | 5.1 | 4.8 | 9.3 | 7.1 | 4.6 | 5.3 | 6.3 | 10.2 | 9.7 | 8.8 | 11.7 | 24 | 11.7 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 26 | 27 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 30 | 30 | 30 | 30 | | |
| MAX: | 14.6 | 11.2 | 13.9 | 13.6 | 14.9 | 13.8 | 16.3 | 18.2 | 31.0 | 43.8 | 60.4 | 20.0 | 18.7 | 21.7 | 17.6 | 20.2 | 21.2 | 26.6 | 19.7 | 17.5 | 16.8 | 16.6 | 16.3 | 17.8 | | |
| AVG: | 3.98 | 4.82 | 4.92 | 4.97 | 5.30 | 4.26 | 4.28 | 5.43 | 8.11 | 8.31 | 7.56 | 6.92 | 5.17 | 5.41 | 4.94 | 5.49 | 7.53 | 8.30 | 6.39 | 4.91 | 3.41 | 3.54 | 4.49 | 4.37 | | |

MONTHLY OBSERVATIONS: 710 MONTHLY MEAN: 5.51 MONTHLY MAX: 60.4

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-129-0002 POC: 3
COUNTY: (129) New Hanover
CITY: (10880) Castle Hayne
SITE ADDRESS: 6028 HOLLY SHELTER RD
SITE COMMENTS: CAROLINA POWER ELECTRIC METER NO. ACD-B87594-G35 85 409 257
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (170) SOUTHERN COASTAL PLAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 34.364167
LONGITUDE: -77.838611
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 12
PROBE HEIGHT: 4.8

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: DECEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13.7 | 15.6 | 9.5 | 4.6 | 4.6 | 5.3 | 6.1 | 4.4 | 1.4 | 1.0 | 3.4 | 1.9 | AX | BA | 6.1 | 4.8 | 3.1 | 3.9 | 8.3 | 5.6 | 1.7 | 2.4 | 6.3 | 5.8 | 22 | 15.6 |
| 2 | 5.3 | 5.3 | 4.3 | 3.6 | 3.4 | 2.4 | 3.2 | 1.9 | .7 | 5.1 | 6.0 | 3.4 | 2.4 | 1.2 | 4.6 | 3.1 | .4 | 2.4 | 2.1 | .9 | -1.7 | -5.2MD | -3.4 | .6 | 24 | 6.0 |
| 3 | 4.4 | 8.1 | 6.1 | 10.3 | 8.1 | 6.1 | 5.4 | 4.2 | 3.9 | 2.5 | 1.9 | 2.9 | 14.6 | -.5 | 2.2 | 4.3 | 2.9 | -1.0 | -1.2 | -.2 | 2.7 | 1.2 | 8.3 | 7.0 | 24 | 14.6 |
| 4 | 12.4 | 8.5 | 6.3 | 10.2 | 8.0 | 3.4 | -.5 | -.7 | 5.6 | 4.8 | 4.8 | 4.6 | 3.9 | 4.6 | .9 | 2.4 | 3.2 | 4.1 | 4.4 | 3.9 | 5.1 | 4.9 | 3.2 | 2.4 | 24 | 12.4 |
| 5 | 1.5 | 1.7 | 2.9 | 2.7 | 1.7 | -2.9 | -4.1 | -.5 | -.2 | 3.4 | 3.1 | -.3 | -1.2 | -.9 | -.7 | 1.0 | -.2 | -1.4 | 1.0 | 1.2 | 1.2 | 3.6 | 2.7 | -.1 | 24 | 3.6 |
| 6 | -.1 | .2 | -.7 | -1.7 | 1.2 | 2.4 | .4 | -.3 | 1.2 | -1.2 | -.9 | -1.7 | -3.1 | -1.4 | .7 | 4.6 | 5.1 | 4.1 | -.7 | -3.2 | -.7 | -.5 | -.7 | -3.2 | 24 | 5.1 |
| 7 | -1.4 | 2.9 | 1.4 | -.3 | .2 | .5 | -.2 | -.7 | -1.2 | 4.4 | 2.2 | -2.4 | -3.7 | -2.9 | 1.2 | 1.7 | .1 | -.7 | .4 | -1.0 | -.7 | .4 | -.9 | -.5 | 24 | 4.4 |
| 8 | .5 | -1.2 | .7 | 3.4 | 5.3 | 6.1 | 2.4 | 1.9 | 10.2 | 9.7 | 5.3 | 2.2 | 5.1 | 4.6 | 4.8 | 11.2 | 7.5 | 5.6 | 2.4 | -.3 | .0 | -.9 | -3.2 | -.4 | 24 | 11.2 |
| 9 | .1 | -1.6 | 3.9 | 3.2 | -.6 | -.9 | -.2 | .6 | 3.0 | 3.9 | 4.7 | 4.4 | 8.3 | 5.8 | 4.8 | 3.6 | 1.4 | 3.2 | 5.4 | 4.2 | 3.7 | 5.1 | 5.9 | 4.7 | 24 | 8.3 |
| 10 | 7.3 | 6.4 | 7.8 | 6.4 | 6.9 | 10.0 | 8.8 | 4.4 | 3.2 | 2.7 | 2.5 | 2.0 | 3.4 | 1.9 | 1.7 | 4.8 | 3.9 | 2.7 | 1.5 | 2.0 | 2.7 | 1.5 | 1.2 | .6 | 24 | 10.0 |
| 11 | 1.7 | 5.1 | 3.2 | 2.0 | 2.9 | 3.2 | 4.4 | 3.2 | 3.4 | 5.6 | 6.1 | 3.9 | 1.0 | 1.7 | 1.7 | 5.1 | 1.4 | 4.8 | 4.6 | 2.6 | 2.6 | .5 | .0 | 2.4 | 24 | 6.1 |
| 12 | 1.4 | 4.6 | 3.9 | 1.2 | 1.4 | 2.4 | 2.2 | 2.9 | 2.4 | 2.4 | 4.4 | 4.6 | 2.7 | 4.1 | 4.1 | 3.2 | 4.6 | 4.6 | 5.3 | 5.3 | 7.1 | 7.0 | 4.6 | 6.3 | 24 | 7.1 |
| 13 | 5.1 | 2.2 | 5.1 | 8.0 | 8.3 | 9.0 | 9.5 | 6.3 | 4.8 | 2.9 | 3.6 | 7.5 | 3.9 | .2 | 5.8 | 5.3 | 2.4 | .4 | 2.9 | 3.6 | 1.9 | 1.9 | 2.6 | 2.6 | 24 | 9.5 |
| 14 | 7.0 | 6.0 | 2.9 | 6.1 | 4.6 | 2.4 | 3.8 | 3.6 | 3.4 | 7.0 | 11.4 | 9.2 | 8.3 | 5.3 | 3.4 | 5.8 | 8.5 | 6.3 | 4.3 | 3.4 | 4.8 | 5.5 | 3.3 | 2.6 | 24 | 11.4 |
| 15 | 3.8 | 3.8 | 2.9 | 2.7 | 1.9 | -.2 | -.7 | 7.3 | 9.5 | 7.6 | AX | BA | 7.1 | 3.4 | -2.0 | -1.7 | -1.2 | 2.4 | -.1 | -4.9 | -5.1MD | -2.7 | .0 | 3.9 | 22 | 9.5 |
| 16 | 4.2 | .6 | -2.4 | .1 | 2.2 | .6 | -.7 | -.4 | .1 | .1 | .3 | .8 | .8 | .3 | 2.4 | 1.2 | -.4 | .3 | 1.7 | 2.0 | .1 | -.4 | 3.2 | 3.7 | 24 | 4.2 |
| 17 | 2.2 | 3.4 | 4.4 | 6.6 | 4.6 | 4.2 | 4.4 | 4.6 | 2.7 | 3.2 | 7.3 | 20.4 | 7.5 | 7.3 | 4.4 | 2.2 | 3.6 | 1.9 | 4.8 | 6.8 | 6.3 | 5.8 | 4.8 | 8.8 | 24 | 20.4 |
| 18 | 6.5 | 2.9 | 1.7 | 2.2 | 3.9 | 3.2 | 3.4 | -.2 | -1.7 | 2.4 | 5.8 | 12.9 | 11.2 | 6.8 | 14.1 | 12.0 | 16.5 | 8.5 | 2.7 | 1.7 | 9.3 | 6.5 | 3.4 | 4.8 | 24 | 16.5 |
| 19 | 2.4 | 2.4 | 6.5 | 4.8 | 3.8 | 2.6 | 2.4 | -1.2 | -.3 | 2.1 | 2.6 | .2 | .0 | 1.7 | 2.7 | 2.4 | -.7 | -1.7 | 3.2 | 2.5 | 1.1 | 1.0 | -.4 | 1.5 | 24 | 6.5 |
| 20 | 1.7 | -.9 | 1.1 | 2.7 | 1.4 | 3.7 | 5.6 | 5.1 | 4.6 | 3.2 | 4.6 | 6.6 | 4.4 | 3.2 | 4.4 | 4.6 | 9.8 | 7.6 | 6.3 | 6.8 | 9.3 | 6.8 | 7.8 | 9.5 | 24 | 9.8 |
| 21 | 7.6 | 7.1 | 6.3 | 5.6 | 4.9 | 5.1 | 7.1 | 4.6 | 6.6 | 8.3 | 10.5 | 6.8 | 13.8 | 6.8 | 1.2 | .9 | 2.4 | 2.1 | 2.6 | 4.8 | .5 | .0 | 3.6 | 3.9 | 24 | 13.8 |
| 22 | 5.4 | 4.9 | 3.2 | 5.1 | 10.0 | 5.9 | 8.3 | 10.5 | 9.8 | 8.5 | 11.2 | 8.3 | 5.1 | 5.1 | 7.0 | 6.3 | 7.3 | 5.8 | 6.8 | 6.3 | 7.5 | 5.6 | 4.3 | 7.0 | 24 | 11.2 |
| 23 | 7.5 | 5.6 | 3.2 | 2.2 | 4.9 | 6.8 | 6.1 | 4.9 | 8.3 | 10.3 | 9.8 | 5.6 | 9.2 | 9.5 | 5.3 | 3.1 | 5.1 | 5.3 | 5.6 | 4.1 | 2.2 | -.7 | 1.2 | 4.9 | 24 | 10.3 |
| 24 | 6.3 | 5.1 | 5.4 | 4.6 | 2.9 | 3.7 | 5.1 | 6.6 | 6.3 | 19.7 | 8.0 | 11.2 | 15.1 | 11.9 | 8.5 | 10.7 | 10.7 | 11.5 | 9.0 | 9.2 | 7.0 | 3.8 | 3.1 | 3.1 | 24 | 19.7 |
| 25 | 6.5 | 5.8 | 4.1 | 3.4 | 3.3 | 5.6 | 7.8 | 4.1 | 9.5 | 14.5 | 3.6 | 9.0 | 12.4 | 8.8 | 8.0 | 10.2 | 8.8 | 6.3 | 6.3 | 7.8 | 6.5 | 4.8 | 1.9 | 2.6 | 24 | 14.5 |
| 26 | 2.9 | 2.9 | 8.5 | 6.1 | 6.1 | 5.8 | 6.1 | 4.8 | 3.1 | 3.6 | 6.5 | 2.9 | 4.6 | 3.1 | 5.6 | 8.8 | 5.1 | 1.9 | 8.8 | 9.2 | 5.6 | 2.9 | 8.5 | 11.4 | 24 | 11.4 |
| 27 | 9.0 | 8.5 | 8.3 | 4.1 | 2.4 | 2.2 | .2 | .0 | -1.7 | -1.7 | 10.2 | 5.6 | 2.9 | 1.4 | 1.4 | 4.6 | 2.9 | 6.3 | 7.5 | 10.9 | 7.3 | 3.4 | 3.8 | 2.6 | 24 | 10.9 |
| 28 | 1.4 | 8.3 | 6.8 | 5.3 | 7.3 | 6.5 | 4.1 | .3 | -1.5 | -.5 | .7 | .5 | -.2 | .0 | -.2 | 1.9 | 4.3 | 4.8 | 2.1 | .9 | .2 | 1.2 | 1.2 | .2 | 24 | 8.3 |
| 29 | 2.2 | 1.2 | 1.9 | 1.9 | 1.2 | 1.9 | 1.7 | 4.1 | 5.5 | 2.1 | 1.4 | 4.8 | 3.9 | 6.5 | 1.9 | 1.4 | 5.8 | 3.8 | .4 | -1.7 | -1.2 | 1.4 | 1.4 | 1.4 | 24 | 6.5 |
| 30 | -.1 | 1.4 | -.2 | -1.4 | -1.2 | .6 | -1.4 | -4.1 | -2.1 | -.7 | 2.7 | 6.8 | 3.6 | -.2 | .4 | 1.4 | 3.1 | 2.1 | -.5 | -2.9 | -4.1 | 1.5 | 2.9 | .6 | 24 | 6.8 |
| 31 | 1.2 | 3.2 | 4.4 | 3.7 | 2.2 | 1.5 | 1.5 | 5.4 | 4.2 | 2.7 | 4.1 | .4 | 6.3 | 1.4 | -.3 | .2 | 1.7 | 4.1 | 2.6 | 1.9 | 4.3 | 4.8 | 3.6 | 8.3 | 24 | 8.3 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 13.7 | 15.6 | 9.5 | 10.3 | 10.0 | 10.0 | 9.5 | 10.5 | 10.2 | 19.7 | 11.4 | 20.4 | 15.1 | 11.9 | 14.1 | 12.0 | 16.5 | 11.5 | 9.0 | 10.9 | 9.3 | 7.0 | 8.5 | 11.4 | | |
| AVG: | 4.18 | 4.19 | 3.98 | 3.85 | 3.80 | 3.52 | 3.30 | 2.83 | 3.38 | 4.50 | 4.93 | 4.83 | 5.11 | 3.36 | 3.42 | 4.23 | 4.16 | 3.61 | 3.56 | 3.01 | 2.81 | 2.36 | 2.72 | 3.52 | | |

MONTHLY OBSERVATIONS: 740 MONTHLY MEAN: 3.71 MONTHLY MAX: 20.4

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-147-0006 POC: 1
COUNTY: (147) Pitt
CITY: (00000) Not in a city
SITE ADDRESS: 403 Government Circle
SITE COMMENTS: Site relocated in 2016 on same property ~325 m NNW of original lat/long of 35.6386
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (168) NORTHERN COASTAL PLAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.6412760009
LONGITUDE: -77.360126
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 7
PROBE HEIGHT: 2

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: 2016

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

| Day | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.3 | | 15.6 | | | | | 8.2 | | | | |
| 2 | | | | | | 7.0 | 8.5 | | | | 10.8 | 5.1 |
| 3 | | 4.6 | | 3.3 | 4.6 | | | | 4.5 | 10.3 | | |
| 4 | 4.5 | | 5.4 | | | | | 5.1 | | | | |
| 5 | | | | | | 6.9 | 9.8 | | | | 6.0 | 2.9 |
| 6 | | 4.5 | | 4.8 | 2.4 | | | | 9.5 | 3.5 | | |
| 7 | 4.2 | | 8.9 | | | | | 10.3 | | | | |
| 8 | | | | | | 7.5 | 7.0 | | | | 4.8 | 5.4 |
| 9 | | 4.8 | | 4.1 | 12.4 | | | | 12.2 | SA | | |
| 10 | 3.3 | | 6.0 | | | | | 6.5 | | | | |
| 11 | | | | | | 11.2 | 9.7 | | | | 6.8 | 6.3 |
| 12 | | 5.0 | | 5.2 | 11.2 | | | | 5.9 | SA | | |
| 13 | 3.4 | | 7.3 | | | | | 5.1 | | | | |
| 14 | | | | | | 9.8 | 15.8 | | | | 5.3 | 7.7 |
| 15 | | 4.5 | | 5.5 | 3.5 | | | | 8.9 | SA | | |
| 16 | 4.7 | | 13.8 | | | | | 3.8 | | | | |
| 17 | | | | | | 5.1 | 5.0 | | | | 13.0 | 6.3 |
| 18 | | 6.2 | | 7.0 | 6.1 | | | | 3.2 | SA | | |
| 19 | 3.7 V | | 8.2 | | | | | 6.8 | | 7.7 | | |
| 20 | | | | | | 8.5 | 7.8 | | | 6.1 | 3.2 | 4.8 |
| 21 | | 14.9 | | 12.6 | 2.6 | | | | 1.4 V | 4.5 | | |
| 22 | 7.6 | | 6.9 | | | | | 5.4 | | 2.2 | | |
| 23 | | | | | | 13.0 | 11.0 | | | | 9.5 | 7.7 |
| 24 | | 6.5 | | 5.1 | 6.9 | | | | 7.8 | 8.3 | | |
| 25 | 10.1 | | 6.7 | | | | | 5.4 | | | | |
| 26 | | | 8.8 | | | 8.0 | 10.0 | | | | 12.8 | 6.8 |
| 27 | | 4.5 | | 9.0 | 8.2 | | | | 6.5 | 5.2 | | |
| 28 | 7.0 | | 4.1 | | | | | 9.0 | | | | |
| 29 | | | | | | 9.6 | 9.5 | | | | 6.1 | 4.6 |
| 30 | | | | 4.3 | 3.2 | | | | 3.8 | 11.5 | | |
| 31 | 6.5 | | 5.7 | | | | | 7.2 | | | | |
| NO.: | 11 | 9 | 12 | 10 | 10 | 10 | 10 | 11 | 10 | 9 | 10 | 10 |
| MAX: | 10.1 | 14.9 | 15.6 | 12.6 | 12.4 | 13.0 | 15.8 | 10.3 | 12.2 | 11.5 | 13.0 | 7.7 |
| MEAN: | 5.48 | 6.17 | 8.12 | 6.09 | 6.11 | 8.66 | 9.41 | 6.62 | 6.37 | 6.59 | 7.83 | 5.76 |

ANNUAL OBSERVATIONS: 122 ANNUAL MEAN: 6.95 ANNUAL MAX: 15.8

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-173-0002 POC: 3
COUNTY: (173) Swain
CITY: (08480) Bryson City (RR name Bryson)
SITE ADDRESS: 30 Recreation Park Drive
SITE COMMENTS: Address before Mar 2010 was 470 CENTER STREET, +35.435509, -83.443697 (173 M move)
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.434767
LONGITUDE: -83.442133
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 560
PROBE HEIGHT: 5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JANUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.0 | 3.3 | 7.2 | 4.2 | .5 | .4 | 5.8 | 6.8 | 5.0 | 6.0 | 5.0 | 3.3 | 1.3 | 1.8 | 2.8 | 1.8 | .5 | 2.8 | 3.0 | 2.3 | 2.3 | 11.6 | 7.7 | 5.3 | 24 | 11.6 |
| 2 | 6.5 | 5.3 | 6.2 | 7.0 | 5.5 | 11.8 | 10.1 | 7.5 | 4.0 | 3.3 | 5.5 | 5.5 | 5.0 | 2.8 | -.8 | .5 | -.4 | -1.3 | 1.5 | 8.4 | 16.9 | 18.6 | 12.7 | 11.3 | 24 | 18.6 |
| 3 | 8.9 | 16.7 | 9.4 | 11.3 | 12.7 | 10.1 | 5.8 | 4.5 | 4.0 | 6.2 | 5.8 | 2.0 | .1 | -.2 | -1.8 | 1.8 | 2.3 | -.8 | 4.0 | 5.3 | 2.0 | -.1 | 5.8 | 5.0 | 24 | 16.7 |
| 4 | 6.2 | 5.5 | 7.2 | 7.5 | 8.4 | 10.9 | 9.4 | 7.0 | 9.2 | 10.1 | 5.5 | 1.3 | .8 | .3 | 1.3 | -.6 | -1.8 | -2.0 | 1.5 | 7.0 | 8.9 | 12.8 | 7.2 | 11.5 | 24 | 12.8 |
| 5 | 12.3 | 13.0 | 18.6 | 9.9 | 9.4 | 14.9 | 11.1 | 10.4 | 10.9 | 6.5 | .6 | .1 | .1 | -1.6 | -.6 | -1.3 | .3 | 3.5 | 4.8 | 10.4 | 12.5 | 14.5 | 15.7 | 14.2 | 24 | 18.6 |
| 6 | 20.1 | 10.9 | 11.8 | 12.3 | 8.0 | 8.2 | 10.9 | 9.2 | 12.0 | 9.4 | 8.2 | 4.3 | -.4 | -.2 | .1 | -1.1 | -.4 | 1.5 | 4.0 | 8.7 | 16.4 | 25.7 | 14.5 | 19.1 | 24 | 25.7 |
| 7 | 17.4 | 14.0 | 12.5 | 15.0 | 15.2 | 13.7 | 19.9 | 15.9 | 20.4 | 8.7 | 11.8 | 7.0 | 2.5 | -.2 | -.2 | .3 | 3.3 | 5.0 | 15.9 | 6.8 | 12.8 | 12.3 | 10.4 | 10.9 | 24 | 20.4 |
| 8 | 10.6 | 14.5 | 14.5 | 17.7 | 13.3 | 12.5 | 13.3 | 8.7 | 8.7 | 8.7 | 5.0 | 8.5 | 11.1 | 6.0 | .6 | -1.1 | .8 | 5.5 | 6.5 | 7.2 | 7.3 | 8.7 | 7.5 | 6.0 | 24 | 17.7 |
| 9 | 5.0 | 6.5 | 6.5 | 7.5 | 9.4 | 9.2 | 14.0 | 9.7 | 4.3 | 1.3 | 1.1 | -.8 | -.2 | 4.3 | 3.0 | -1.6 | -1.3 | .3 | .8 | -.8 | -2.3 | -1.5 | -.3 | .6 | 24 | 14.0 |
| 10 | .3 | 2.1 | 3.1 | 2.3 | .6 | 1.1 | 1.3 | .8 | -.6 | -3.5 | -3.5 | -2.8 | -1.8 | -.6 | -.6 | -1.1 | -1.3 | -1.3 | -1.3 | -.8 | -.4 | 1.5 | 2.3 | 2.8 | 24 | 3.1 |
| 11 | 4.3 | 3.8 | 1.5 | 1.8 | 6.3 | 8.4 | 10.4 | 7.2 | 13.2 | 11.8 | 7.3 | 2.8 | .3 | .8 | -.8 | -1.8 | -.8 | -1.8 | .3 | 6.5 | 16.9 | 15.7 | 22.3 | 11.1 | 24 | 22.3 |
| 12 | 12.5 | 13.2 | 9.4 | 7.0 | 5.5 | 9.9 | 7.5 | 5.5 | 9.9 | 9.4 | 5.3 | 4.0 | 3.3 | -1.6 | -1.8 | 2.3 | 1.3 | .6 | .6 | -1.3 | .6 | 3.8 | 4.0 | 2.0 | 24 | 13.2 |
| 13 | 1.8 | 3.0 | 1.3 | -.8 | -2.3 | -4.0 | -1.8 | -.6 | -2.8 | -2.5 | .6 | .6 | .1 | -.7 | -2.8 | -1.1 | -3.3 | -4.6 | 15.4 | 3.5 | 9.6 | 8.0 | 9.4 | 13.7 | 24 | 15.4 |
| 14 | 10.4 | 15.7 | 19.6 | 16.4 | 11.1 | 8.9 | 8.0 | 6.8 | 8.0 | 16.2 | AX | AX | 37.4 | 3.3 | 2.8 | 1.8 | 1.6 | 4.8 | 6.3 | 14.5 | 12.5 | 18.9 | 19.6 | 16.9 | 22 | 37.4 |
| 15 | 18.4 | 14.7 | 12.3 | 10.2 | 9.7 | 13.3 | 14.7 | 9.2 | 8.7 | 9.7 | 10.2 | 8.0 | 16.2 | 9.0 | 14.5 | 9.9 | 15.7 | 15.5 | 18.7 | 15.2 | 16.7 | 12.8 | 13.5 | 10.7 | 24 | 18.7 |
| 16 | 6.3 | 5.1 | 2.8 | .6 | 4.3 | 5.6 | 3.1 | .4 | 2.6 | 3.3 | 5.3 | 4.3 | 2.8 | 2.3 | 1.3 | 2.8 | .8 | 2.1 | 4.1 | 5.3 | 6.1 | 6.8 | 9.9 | 6.8 | 24 | 9.9 |
| 17 | 4.8 | 3.1 | 4.6 | 7.5 | 10.8 | 8.5 | 4.3 | 2.3 | 1.8 | -.4 | .6 | .6 | -.4 | 5.8 | 4.1 | 1.1 | 6.0 | 9.0 | 7.5 | 5.1 | 10.7 | 6.3 | 3.1 | 5.3 | 24 | 10.8 |
| 18 | 4.1 | 3.3 | 5.6 | 5.6 | 2.6 | .6 | .1 | -.1 | -.4 | -.1 | 2.1 | 1.6 | -.6 | -.6 | -.1 | .4 | 2.6 | 4.3 | 3.8 | 3.8 | 3.1 | .3 | -.8 | .1 | 24 | 5.6 |
| 19 | .6 | .3 | -.6 | .6 | 2.1 | 1.3 | 6.5 | 4.1 | 1.1 | 2.8 | 1.6 | .1 | 1.6 | 1.8 | -.1 | -.9 | -1.3 | -.9 | 1.8 | 6.3 | 13.7 | 18.9 | 14.7 | 21.1 | 24 | 21.1 |
| 20 | 14.5 | 11.3 | 6.8 | 8.5 | 11.1 | 9.0 | 7.3 | 4.8 | 4.3 | 5.8 | 5.5 | 5.3 | 7.1 | 10.4 | 11.1 | 12.3 | 9.2 | 10.4 | 16.5 | 27.3 | 23.0 | 26.2 | 20.6 | 28.0 | 24 | 28.0 |
| 21 | 23.0 | 26.0 | 30.7 | 22.3 | 23.3 | 19.2 | 17.2 | 16.7 | 3.1 | 1.1 | .6 | 6.1 | 6.1 | 5.3 | 4.1 | 2.6 | 9.4 | 6.8 | 13.3 | 11.3 | 12.6 | 21.1 | 21.1 | 3.3 | 24 | 30.7 |
| 22 | 5.1 | 10.2 | 8.5 | 3.6 | -.4 | -1.0 | .4 | 3.3 | -.4 | -3.5 | -1.5 | .8 | 1.1 | -1.5 | -3.9 | -4.4 | -3.5 | 1.3 | 2.6 | 1.3 | 4.6 | 4.3 | 5.1 | 10.8 | 24 | 10.8 |
| 23 | 5.6 | 2.1 | 4.6 | 4.3 | 3.1 | 2.6 | 3.1 | 3.3 | 1.8 | 3.8 | 3.8 | 2.8 | 2.1 | 4.1 | 2.8 | 2.8 | 2.6 | 2.8 | 2.8 | 7.8 | 5.8 | 5.8 | 8.7 | 12.5 | 24 | 12.5 |
| 24 | 11.8 | 10.7 | 10.4 | 9.4 | 12.3 | 11.6 | 11.6 | 8.0 | 12.0 | 6.5 | 2.3 | 2.1 | 6.5 | 4.3 | 3.3 | 2.1 | -1.8 | -2.7 | 5.1 | 11.8 | 12.1 | 15.5 | 12.3 | 14.7 | 24 | 15.5 |
| 25 | 17.4 | 9.2 | 21.1 | 16.0 | 15.5 | 15.0 | 13.5 | 20.4 | 17.4 | 13.8 | 9.7 | 5.6 | 1.1 | 1.1 | 2.6 | -.9 | 1.1 | 4.1 | 2.6 | 14.5 | 9.7 | 11.1 | 8.3 | 13.5 | 24 | 21.1 |
| 26 | 14.8 | 10.4 | 12.8 | 9.2 | 10.2 | 9.4 | 8.5 | 12.3 | 12.3 | 10.8 | 9.9 | 11.8 | 11.3 | 7.5 | 4.3 | 8.0 | 19.2 | 16.2 | 12.1 | 10.8 | 13.8 | 12.3 | 7.1 | 4.3 | 24 | 19.2 |
| 27 | 4.1 | 9.5 | 6.6 | 1.6 | 1.9 | 1.1 | -2.7 | -.6 | 4.3 | 1.3 | AX | AX | 4.8 | 2.8 | .8 | .1 | 1.1 | 3.8 | 5.8 | 7.3 | 9.0 | 8.5 | 6.3 | 6.1 | 22 | 9.5 |
| 28 | 3.3 | 2.8 | 3.6 | 4.3 | 3.1 | 1.6 | 3.3 | 4.6 | 4.1 | 7.0 | 5.6 | 6.3 | 4.8 | 7.0 | 5.6 | 1.8 | 1.1 | 1.8 | 1.3 | 2.8 | 2.8 | 1.6 | .8 | 2.8 | 24 | 7.0 |
| 29 | 4.1 | 16.0 | 2.8 | 4.3 | 6.8 | 8.5 | 7.0 | 6.8 | 7.0 | 4.8 | 2.8 | 1.8 | -.9 | -1.5 | -2.5 | -2.0 | 1.8 | 1.6 | 1.6 | 7.8 | 19.1 | 12.1 | 36.9 | 19.1 | 24 | 36.9 |
| 30 | 18.6 | 10.6 | 12.3 | 12.1 | 14.5 | 9.7 | 9.9 | 9.4 | 8.5 | 7.1 | 4.8 | 3.6 | 4.6 | 2.1 | .4 | 2.1 | .8 | .1 | 24.0 | 10.4 | 10.6 | 18.4 | 14.3 | 16.0 | 24 | 24.0 |
| 31 | 20.9 | 14.0 | 11.6 | 12.5 | 15.5 | 10.8 | 10.2 | 10.7 | 9.2 | 12.5 | 9.2 | 7.8 | 4.1 | 3.3 | 3.1 | .6 | -.8 | 4.1 | 4.1 | 8.7 | 7.1 | 13.3 | 13.3 | 15.5 | 24 | 20.9 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 23.0 | 26.0 | 30.7 | 22.3 | 23.3 | 19.2 | 19.9 | 20.4 | 20.4 | 16.2 | 11.8 | 11.8 | 37.4 | 10.4 | 14.5 | 12.3 | 19.2 | 16.2 | 24.0 | 27.3 | 23.0 | 26.2 | 36.9 | 28.0 | | |
| AVG: | 9.54 | 9.25 | 9.20 | 8.12 | 8.06 | 7.83 | 7.86 | 6.94 | 6.57 | 5.74 | 4.51 | 3.60 | 4.25 | 2.50 | 1.70 | 1.20 | 2.09 | 2.98 | 6.16 | 7.59 | 9.56 | 11.15 | 10.77 | 10.35 | | |

MONTHLY OBSERVATIONS: 740 MONTHLY MEAN: 6.58 MONTHLY MAX: 37.4

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-173-0002 POC: 3
COUNTY: (173) Swain
CITY: (08480) Bryson City (RR name Bryson)
SITE ADDRESS: 30 Recreation Park Drive
SITE COMMENTS: Address before Mar 2010 was 470 CENTER STREET, +35.435509, -83.443697 (173 M move)
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.434767
LONGITUDE: -83.442133
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 560
PROBE HEIGHT: 5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: FEBRUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11.1 | 6.8 | 8.0 | 9.4 | 8.7 | 7.3 | 4.8 | 4.1 | 4.3 | 4.3 | 7.1 | 7.5 | 5.1 | 2.6 | 13.5 | 10.2 | 5.6 | 7.8 | 10.1 | 15.7 | 7.5 | 4.3 | 4.1 | 3.8 | 24 | 15.7 |
| 2 | 4.3 | 3.3 | 1.6 | .8 | 1.6 | 2.3 | 3.8 | 4.8 | 3.1 | -.4 | 3.8 | 7.1 | 7.5 | 3.6 | 3.1 | 12.1 | 7.3 | 13.0 | 10.1 | 10.4 | 7.5 | 7.5 | 5.6 | 2.8 | 24 | 13.0 |
| 3 | -1.5 | -1.1 | .8 | 2.8 | 4.8 | 2.6 | 2.1 | 3.8 | 2.8 | .1 | .4 | 4.8 | 6.6 | 1.6 | -2.3 | -1.5 | -.6 | 1.8 | 3.6 | 7.0 | 6.0 | 7.3 | 11.8 | 9.0 | 24 | 11.8 |
| 4 | 5.8 | 3.1 | 3.1 | 2.8 | 5.3 | 3.5 | -1.0 | .8 | 3.3 | .8 | 1.5 | 4.0 | 5.3 | 3.8 | 4.5 | 3.0 | 2.8 | 2.5 | 4.8 | 6.3 | 5.5 | 5.3 | 6.3 | 7.3 | 24 | 7.3 |
| 5 | 3.5 | 1.8 | 2.1 | .3 | 1.8 | 6.0 | 4.8 | 7.3 | 9.7 | 5.8 | 1.8 | .8 | -1.1 | .3 | -.2 | -1.5 | -1.1 | -.8 | 4.0 | 7.0 | 5.3 | 12.8 | 8.9 | 7.3 | 24 | 12.8 |
| 6 | 9.2 | 12.8 | 7.7 | 8.0 | 6.8 | 7.5 | 10.4 | 7.3 | 13.0 | 8.5 | 4.5 | 1.6 | 1.5 | 3.3 | .1 | 1.3 | 2.8 | -1.3 | .6 | 7.3 | 12.0 | 11.0 | 15.2 | 17.2 | 24 | 17.2 |
| 7 | 18.4 | 14.5 | 27.2 | 18.1 | 19.6 | 17.2 | 17.4 | 10.6 | 11.1 | 7.5 | 9.2 | 5.3 | 2.3 | 1.6 | 2.1 | 2.8 | 4.3 | 4.3 | 3.1 | 7.5 | 8.2 | 6.1 | 20.4 | 17.4 | 24 | 27.2 |
| 8 | 12.3 | 17.7 | 6.5 | 12.3 | 7.7 | 4.8 | 6.5 | 6.0 | 11.1 | 8.9 | 9.2 | 6.0 | 3.3 | 1.6 | 1.3 | 3.3 | 4.1 | 3.1 | 1.1 | .8 | 3.1 | 1.8 | -.6 | -.8 | 24 | 17.7 |
| 9 | -2.5 | -2.3 | -.4 | 2.3 | 2.6 | 1.8 | 1.8 | .8 | .6 | 1.8 | AX | AX | AX | AX | .8 | -3.2 | 1.3 | 2.8 | .1 | 1.6 | 2.3 | .6 | -.5 | -.1 | 20 | 2.8 |
| 10 | .6 | 1.1 | 3.8 | 3.6 | .8 | .8 | 6.1 | 4.3 | 3.3 | 3.1 | 6.1 | 7.1 | 2.8 | 2.1 | 3.3 | 3.1 | 1.8 | 4.3 | 3.3 | 4.6 | 2.3 | 2.1 | 2.6 | 2.6 | 24 | 7.1 |
| 11 | 3.8 | 2.6 | 6.8 | 4.3 | -.4 | -1.8 | -.6 | 4.1 | 2.1 | .1 | -1.5 | .1 | 2.3 | .8 | 4.6 | 2.6 | 3.3 | 2.3 | 3.6 | 5.8 | 8.2 | 5.1 | 11.3 | 13.0 | 24 | 13.0 |
| 12 | 14.5 | 14.5 | 15.0 | 10.4 | 14.0 | 12.1 | 15.5 | 15.2 | 9.7 | 8.5 | 7.5 | 6.1 | 4.8 | 6.3 | 3.8 | 2.3 | 1.3 | 2.3 | 9.2 | 9.2 | 7.3 | 8.0 | 6.1 | 5.6 | 24 | 15.5 |
| 13 | 3.3 | 7.3 | 5.3 | 4.3 | 3.3 | 2.6 | 1.6 | 3.6 | 3.6 | 4.6 | 5.3 | 6.1 | 5.1 | 3.8 | 1.8 | -.4 | -.6 | -.1 | 3.3 | .4 | 4.1 | 11.3 | 12.8 | 11.6 | 24 | 12.8 |
| 14 | 13.3 | 16.0 | 4.6 | 4.3 | 3.3 | 4.3 | 4.1 | 3.8 | 2.8 | 5.1 | 5.3 | 4.8 | 6.8 | 5.1 | 4.1 | 4.3 | 2.6 | 4.3 | 4.8 | 5.1 | 6.1 | 6.3 | 7.3 | 6.8 | 24 | 16.0 |
| 15 | 5.8 | 6.3 | 7.5 | 7.3 | 5.3 | 5.8 | 6.1 | 7.8 | 8.5 | 9.5 | 10.4 | 9.9 | 13.1 | 10.9 | 7.8 | 6.8 | 9.2 | 7.3 | 4.1 | 2.6 | .9 | 5.8 | 5.8 | 5.6 | 24 | 13.1 |
| 16 | 3.8 | 2.9 | 2.6 | 2.1 | 1.1 | .1 | .4 | 2.6 | 4.3 | 2.6 | 1.8 | 1.4 | -.1 | -2.2 | -3.0 | -.4 | 2.1 | 2.6 | 1.6 | -1.0 | -2.2 | -2.5 | -2.5 | -2.0 | 24 | 4.3 |
| 17 | 8.5 | 5.3 | -1.0 | -3.2 | -1.0 | 3.8 | 4.1 | 3.6 | 4.1 | 2.8 | 4.1 | 2.3 | -1.3 | -2.2 | -1.8 | -.4 | .4 | 1.1 | AQ | AQ | AQ | AQ | AQ | AQ | 18 | 8.5 |
| 18 | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AQ | AZ | AZ | 3.3 | 1.3 | -2.3 | -3.2 | -4.2 | -3.2 | 2.1 | 3.3 | 7.8 | 9.2 | 6.8 | 9.7 | 12 | 9.7 |
| 19 | 6.8 | 12.0 | 9.4 | 10.4 | 8.5 | 8.0 | 4.8 | 8.2 | 6.3 | 5.6 | 3.6 | 7.8 | 6.3 | 3.6 | 4.8 | 2.1 | 2.6 | 7.1 | 8.0 | 9.0 | 10.2 | 17.4 | 25.7 | 34.4 | 24 | 34.4 |
| 20 | 30.2 | 37.9 | 31.6 | 29.9 | 35.2 | 26.2 | 29.0 | 26.5 | 33.3 | 43.3 | 42.6 | 46.4 | 36.9 | 36.9 | 34.9 | 38.4 | 41.6 | 37.9 | 46.0 | 46.5 | 46.4 | 48.2 | 47.2 | 47.7 | 24 | 48.2 |
| 21 | 43.3 | 42.1 | 36.6 | 34.9 | 38.1 | 31.2 | 30.7 | 27.8 | 31.6 | 30.7 | 33.1 | 30.7 | 33.5 | 25.0 | 22.5 | 28.5 | 25.7 | 25.5 | 28.0 | 25.7 | 14.3 | 10.4 | 5.5 | 4.6 | 24 | 43.3 |
| 22 | 2.8 | -.4 | -1.3 | 1.6 | 3.8 | 6.3 | 5.3 | 3.8 | 4.8 | 3.3 | 6.1 | 9.2 | 5.1 | 3.8 | 3.8 | 2.3 | 7.1 | 7.8 | 8.0 | 8.0 | 5.5 | 4.1 | 3.1 | 1.3 | 24 | 9.2 |
| 23 | 1.8 | .8 | -1.0 | .2 | -.3 | 2.6 | 2.3 | .4 | 3.3 | AX | AX | AX | 2.1 | 2.3 | 10.6 | 6.0 | 8.7 | 5.0 | 1.8 | 1.8 | -.8 | -.1 | 2.6 | .1 | 21 | 10.6 |
| 24 | -1.3 | .8 | 4.1 | 2.3 | 4.8 | 1.8 | -1.3 | 3.8 | 4.1 | 4.6 | 3.3 | 3.1 | 2.8 | .1 | -1.3 | .3 | .1 | -.1 | .8 | 1.6 | 1.3 | .6 | .6 | .1 | 24 | 4.8 |
| 25 | .1 | 1.1 | 1.3 | -.3 | .3 | 1.1 | .6 | 4.3 | 3.6 | 2.3 | 6.0 | 5.0 | 3.0 | 3.8 | .3 | 1.8 | 5.1 | 5.3 | 5.0 | 4.3 | 3.6 | 7.0 | 4.0 | 4.3 | 24 | 7.0 |
| 26 | 3.8 | 2.3 | 2.6 | 1.8 | 3.3 | 2.1 | 1.6 | 7.0 | 5.3 | 4.3 | 4.3 | 4.3 | 3.5 | 2.0 | 1.1 | 1.8 | 4.6 | 3.5 | 2.6 | 2.0 | 2.8 | 3.1 | 7.5 | 8.5 | 24 | 8.5 |
| 27 | 8.2 | 5.5 | 8.9 | 6.0 | 7.0 | 5.5 | 7.8 | 8.7 | 11.5 | 7.5 | 8.2 | 5.1 | 1.1 | -.8 | -.4 | .8 | -.1 | -.6 | .8 | 6.8 | 7.0 | 7.5 | 12.0 | 11.3 | 24 | 12.0 |
| 28 | 11.5 | 11.1 | 7.5 | 7.3 | 8.9 | 6.8 | 11.3 | 7.3 | 4.8 | 9.4 | 6.3 | 4.8 | 2.1 | -.6 | .4 | -.8 | -1.1 | -.6 | .8 | 7.5 | 6.5 | 5.3 | 6.3 | 11.3 | 24 | 11.5 |
| 29 | 8.0 | 3.8 | 5.0 | 3.3 | 5.5 | 6.8 | 8.5 | 9.2 | 9.9 | 8.0 | 7.0 | 6.3 | 3.8 | 2.1 | 3.6 | 2.8 | 1.8 | 4.1 | 4.1 | 7.0 | 14.5 | 10.6 | 9.4 | 9.9 | 24 | 14.5 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 27 | 26 | 26 | 28 | 28 | 29 | 29 | 29 | 29 | 28 | 28 | 28 | 28 | 28 | 28 | | |
| MAX: | 43.3 | 42.1 | 36.6 | 34.9 | 38.1 | 31.2 | 30.7 | 27.8 | 33.3 | 43.3 | 42.6 | 46.4 | 36.9 | 36.9 | 34.9 | 38.4 | 41.6 | 37.9 | 46.0 | 46.5 | 46.4 | 48.2 | 47.2 | 47.7 | | |
| AVG: | 8.19 | 8.20 | 7.35 | 6.69 | 7.16 | 6.40 | 6.73 | 7.05 | 7.71 | 7.13 | 7.58 | 7.60 | 5.98 | 4.38 | 4.19 | 4.32 | 4.78 | 5.14 | 6.26 | 7.64 | 7.26 | 7.72 | 8.76 | 8.94 | | |

MONTHLY OBSERVATIONS: 671 MONTHLY MEAN: 6.78 MONTHLY MAX: 48.2

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-173-0002 POC: 3
COUNTY: (173) Swain
CITY: (08480) Bryson City (RR name Bryson)
SITE ADDRESS: 30 Recreation Park Drive
SITE COMMENTS: Address before Mar 2010 was 470 CENTER STREET, +35.435509, -83.443697 (173 M move)
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.434767
LONGITUDE: -83.442133
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 560
PROBE HEIGHT: 5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MARCH 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.0 | 8.2 | 8.7 | 8.7 | 6.5 | 4.8 | 8.7 | 8.7 | 8.0 | 8.0 | 7.8 | 5.8 | 5.3 | 9.0 | 8.2 | 3.8 | 7.3 | 6.8 | 11.6 | 16.5 | 13.0 | 7.5 | -.8 | -3.5 | 24 | 16.5 |
| 2 | -1.3 | 1.3 | 4.3 | 3.8 | 2.8 | 6.5 | 3.6 | -.2 | 2.6 | 2.1 | 1.3 | 1.3 | -.1 | .1 | 2.3 | 2.3 | 3.1 | 1.1 | .8 | -.1 | 6.0 | 9.7 | 5.5 | 4.3 | 24 | 9.7 |
| 3 | 6.3 | 9.4 | 8.5 | 14.5 | 9.7 | 5.5 | 9.7 | 6.5 | 6.0 | 4.8 | 3.6 | 3.8 | 3.3 | 1.8 | -.4 | -1.8 | .3 | 4.0 | 4.8 | 4.1 | 1.3 | -1.3 | 5.3 | 5.0 | 24 | 14.5 |
| 4 | 5.8 | 5.0 | 2.8 | -.2 | -1.3 | .6 | 1.6 | 2.1 | 4.1 | 3.8 | 1.1 | -1.5 | -1.8 | .3 | 1.3 | .8 | .3 | .1 | 1.1 | 3.3 | 4.0 | 2.1 | 2.8 | 8.5 | 24 | 8.5 |
| 5 | 6.5 | 4.5 | 5.0 | 4.3 | 4.0 | 3.6 | 4.1 | 6.3 | 6.8 | 4.0 | 3.5 | 4.3 | 1.1 | -2.5 | -3.2 | -1.8 | 1.6 | .1 | -1.1 | 4.3 | 8.5 | 7.8 | 4.3 | -1.8 | 24 | 8.5 |
| 6 | -3.0 | 4.6 | 4.6 | 4.1 | 2.3 | 1.6 | 4.5 | 3.6 | 3.8 | 7.3 | 6.8 | 4.6 | 2.8 | -.1 | -2.0 | .1 6 | -.1 6 | -.6 | 5.8 | 5.8 | 4.5 | 12.3 | 7.3 | 7.5 | 24 | 12.3 |
| 7 | 8.2 | 10.2 | 9.4 | 6.5 | 5.8 | 4.5 | 4.8 | 5.1 | 10.4 | 7.3 | 7.3 | 4.8 | 5.3 | 3.1 | 2.1 | 3.1 | 7.8 | 16.7 | 11.8 | 9.2 | 10.8 | 14.0 | 11.1 | 13.0 | 24 | 16.7 |
| 8 | 10.8 | 10.2 | 10.4 | 9.4 | 14.7 | 10.4 | 10.6 | 9.7 | 16.5 | AX | AX | AX | 16.5 | 10.6 | 9.0 | 8.0 | 18.4 | 17.9 | 9.0 | 19.4 | 18.1 | 11.1 | 18.9 | 21.5 | 21 | 21.5 |
| 9 | 27.2 | 26.2 | 22.5 | 18.9 | 20.4 | 17.2 | 15.7 | 19.9 | 14.5 | 17.7 | 12.3 | 7.5 | 4.3 | 4.6 | 3.3 | 4.3 | 7.5 | 9.2 | 5.8 | 6.8 | 7.3 | 7.5 | 7.5 | 9.0 | 24 | 27.2 |
| 10 | 11.1 | 7.7 | 5.3 | 9.1 | 5.8 | 4.6 | 7.0 | 7.3 | 8.7 | 9.9 | 9.6 | 7.3 | 4.8 | 11.8 | 11.1 | 8.5 | 7.8 | 10.4 | 7.8 | 6.6 | 7.5 | 9.2 | 12.8 | 12.8 | 24 | 12.8 |
| 11 | 10.8 | 9.4 | 8.5 | 6.5 | 10.1 | 9.8 | 9.4 | 7.0 | 9.6 | 10.4 | 6.3 | 4.1 | .6 | -2.2 6 | -3.9 | -1.6 | -.6 | .8 | 4.1 | 7.3 | 6.5 | 7.1 | 6.6 | 9.0 | 24 | 10.8 |
| 12 | 11.3 | 10.8 | 12.0 | 6.5 | 6.3 | 7.5 | 12.0 | 9.8 | 8.5 | 8.7 | 5.3 | 6.8 | 11.6 | 7.5 | 5.8 | 7.3 | 6.3 | 8.5 | 10.3 | 7.8 | 13.5 | 14.7 | 10.8 | 11.1 | 24 | 14.7 |
| 13 | 19.6 | 11.1 | 14.5 | 21.5 | 17.7 | 14.7 | 13.3 | 18.9 | 10.6 | 7.8 | 5.3 | 3.8 | 3.6 | 5.3 | 4.6 | 2.8 | .6 | 3.8 | 4.0 | 4.3 | 5.8 | 7.0 | 4.5 | 2.5 | 24 | 21.5 |
| 14 | 3.6 | 3.5 | 3.1 | 3.8 | 4.0 | 3.8 | 3.3 | 3.1 | 1.3 | 4.3 | 5.0 | 6.3 | 4.1 | 8.0 | 7.5 | 7.0 | 9.6 | 7.3 | 8.2 | 8.5 | 12.0 | 7.5 | 6.8 | 6.8 | 24 | 12.0 |
| 15 | 5.8 | 2.0 | 6.0 | 4.5 | .6 | .1 | .6 | 3.3 | 4.0 | 3.3 | 2.1 | 1.8 | 2.1 6 | 4.3 6 | 5.8 6 | 3.8 6 | 2.3 6 | 4.8 | 9.4 | 7.0 | 5.0 | 7.7 | 9.6 | 5.5 | 24 | 9.6 |
| 16 | 3.8 | 6.0 | 5.3 | 4.3 | 3.0 | 3.0 | 6.0 | 9.9 | 10.4 | 11.3 | 9.8 6 | 7.5 6 | 6.0 6 | 7.0 | 5.3 | 2.6 | -2.5 | .6 | 3.3 | 3.5 | 6.5 | 4.0 | 2.8 | 2.6 | 24 | 11.3 |
| 17 | 1.8 | -.4 | 1.8 | 4.0 | 1.3 | -1.3 | .1 | 3.0 | 2.8 | 3.5 | 4.6 | 2.8 | 3.6 | 3.3 | -.3 | 7.3 | 6.3 | 3.5 | 4.5 | 6.0 | 7.3 | 9.2 | 10.6 | 7.0 | 24 | 10.6 |
| 18 | 5.5 | 6.3 | 5.3 | 4.0 | 2.1 | -1.8 | -2.0 | 2.8 | 4.8 | 5.3 | 3.8 | 2.5 | -.3 | -.6 | 1.3 | 5.3 | 3.8 | 3.1 | 6.3 | 7.3 | 7.3 | 8.0 | 10.1 | 11.8 | 24 | 11.8 |
| 19 | 15.0 | 12.5 | 28.9 | 12.5 | 20.1 | 20.1 | 21.1 | 6.8 | 14.5 | 14.7 | 11.6 | 10.8 | 9.6 | 5.5 | 4.0 | 8.9 | 10.3 | 11.6 | 7.3 | 8.5 | 8.2 | 5.0 | 7.5 | 7.3 | 24 | 28.9 |
| 20 | 8.2 | 7.5 | 9.7 | 10.1 | 6.5 | 3.8 | 3.6 | 5.8 | 5.5 | 5.8 | 5.5 | 4.0 | 6.5 | 6.5 | 3.8 | 5.5 | 3.8 | 3.8 | 2.8 | 2.3 | 3.1 | 2.3 | 1.5 | 4.5 | 24 | 10.1 |
| 21 | 4.5 | 1.5 | 2.6 | 6.5 | 5.8 | 4.3 | 3.5 | 5.5 | 6.8 | 3.8 | 5.5 | 5.5 | 5.3 | 5.5 | 4.8 | 1.6 | 3.3 | 10.6 | 9.2 | 11.3 | 9.4 | 8.5 | 18.4 | 11.6 | 24 | 18.4 |
| 22 | 9.9 | 6.5 | 3.5 | 1.6 | 1.8 | 5.8 | 7.5 | 9.4 | 10.6 | 9.1 | AX | AX | 5.0 | .3 | 1.1 | 55.8 | 77.8 | 113.9 | 78.1 | 86.9 | 67.8 | 50.9 | 43.3 | 41.8 | 22 | 113.9 |
| 23 | 33.5 | 28.0 | 29.2 | 26.7 | 29.2 | 21.9 | 22.3 | 17.9 | 17.9 | 14.2 | 13.8 | 10.6 | 8.0 | 8.2 | 7.3 | 9.9 | 10.8 | 11.6 | 9.6 | 10.3 | 10.1 | 13.0 | 11.8 | 10.6 | 24 | 33.5 |
| 24 | 11.3 | 10.1 | 9.8 | 7.0 | 6.0 | 8.2 | 12.3 | 16.5 | 13.0 | 15.5 | 11.3 6 | 8.0 6 | 8.0 | 13.5 | 9.1 | 14.0 6 | 15.5 | 13.3 | 9.4 | 6.3 | 14.8 | 14.0 | 13.8 | 11.1 | 24 | 16.5 |
| 25 | 9.4 | 7.0 | 3.6 | 7.1 | 4.6 | .8 | 2.6 | 5.6 | 12.8 | 8.5 | 15.2 | 14.5 | 11.6 | 9.6 | 9.1 | 15.5 | 10.4 | 12.3 | 11.6 | 16.7 | 12.0 | 11.3 | 11.8 | 16.9 | 24 | 16.9 |
| 26 | 22.8 | 22.8 | 15.5 | 17.4 | 16.2 | 12.0 | 10.2 | 10.8 | 11.8 | 12.8 | 13.0 | 17.2 | 9.6 | 9.9 | 10.3 | 16.7 | 10.1 | 8.7 | 13.3 | 17.2 | 22.8 | 22.0 | 13.7 | 14.0 | 24 | 22.8 |
| 27 | 9.8 | 13.0 | 11.8 | 12.5 | 8.2 | 8.2 | 5.0 | 1.3 | 1.6 | 4.0 | 2.6 | 1.6 | 2.8 | 3.8 | 8.7 | 5.1 | 4.6 | 6.8 | 6.5 | 7.3 | 6.5 | 7.0 | 4.8 | 5.5 | 24 | 13.0 |
| 28 | 3.1 | -.9 | 4.3 | 4.8 | 2.1 | 4.5 | 9.1 | 9.6 | 6.3 | 5.3 | 4.1 | 2.3 | 11.5 | 7.3 | 4.8 | 8.0 | 4.6 | 6.5 | 6.8 | 5.8 | 4.8 | 4.8 | 2.8 | 2.1 | 24 | 11.5 |
| 29 | 4.3 | 2.8 | 3.1 | 5.3 | 3.5 | 3.1 | 1.3 | 5.3 | 5.5 | 5.0 | 1.8 | -.2 | 1.1 | 3.1 | 5.8 | 2.8 | 1.1 | 1.6 | 4.8 | 3.8 | 5.0 | 3.5 | 2.0 | 1.1 | 24 | 5.8 |
| 30 | 2.3 | 10.3 | 8.2 | 8.0 | 8.2 | 6.8 | 3.8 | 6.8 | 7.3 | 4.3 | 2.3 | 1.6 | 4.8 | 5.6 | 7.3 | 7.5 | 7.5 | 9.4 | 7.9 | 8.7 | 16.5 | 9.9 | 8.0 | 7.5 | 24 | 16.5 |
| 31 | 7.3 | 8.5 | 7.5 | 8.9 | 7.5 | 5.8 | 8.0 | 5.6 | 9.4 | 7.5 | 7.8 | 4.8 | 9.9 | 9.6 | 7.8 | 11.3 | 9.4 | 8.2 | 9.4 | 10.1 | 9.6 | 6.0 | 4.8 | 6.8 | 24 | 11.3 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 33.5 | 28.0 | 29.2 | 26.7 | 29.2 | 21.9 | 22.3 | 19.9 | 17.9 | 17.7 | 15.2 | 17.2 | 16.5 | 13.5 | 11.1 | 55.8 | 77.8 | 113.9 | 78.1 | 86.9 | 67.8 | 50.9 | 43.3 | 41.8 | | |
| AVG: | 9.14 | 8.57 | 8.89 | 8.47 | 7.60 | 6.46 | 7.20 | 7.54 | 8.27 | 7.67 | 6.55 | 5.32 | 5.37 | 5.15 | 4.57 | 7.24 | 8.03 | 10.21 | 9.17 | 10.41 | 10.82 | 9.78 | 9.05 | 8.82 | | |

MONTHLY OBSERVATIONS: 739 MONTHLY MEAN: 7.94 MONTHLY MAX: 113.9

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-173-0002 POC: 3
COUNTY: (173) Swain
CITY: (08480) Bryson City (RR name Bryson)
SITE ADDRESS: 30 Recreation Park Drive
SITE COMMENTS: Address before Mar 2010 was 470 CENTER STREET, +35.435509, -83.443697 (173 M move)
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.434767
LONGITUDE: -83.442133
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 560
PROBE HEIGHT: 5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: APRIL 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.7 | 6.3 | 3.3 | 1.3 | 5.0 | 4.6 | 2.3 | .6 | 2.3 | 3.6 | 9.4 | 7.0 | 3.6 | 1.8 | 6.0 | 8.2 | 7.0 | 15.2 | 6.3 | 6.8 | 6.5 | 4.1 | 9.6 | 8.0 | 24 | 15.2 |
| 2 | 5.8 | 4.8 | 9.1 | 7.7 | 6.0 | 3.5 | 3.8 | 4.3 | 3.1 | 8.5 | 4.8 | 2.3 | 3.3 | 3.8 | 3.8 | 4.0 | 1.1 | -1.1 | .1 | -.2 | -1.4 | 1.8 | 2.3 | 4.3 | 24 | 9.1 |
| 3 | 1.8 | -.4 | 1.1 | 1.5 | .3 | 1.8 | 3.5 | 6.5 | 4.8 | 4.8 | 4.3 | 1.8 | .1 | -1.3 | -2.5 | -.4 | 1.6 | .6 | -.6 | 2.0 | 11.3 | 10.8 | 7.7 | 7.0 | 24 | 11.3 |
| 4 | 6.8 | 4.0 | 5.3 | 5.8 | 3.3 | 2.8 | 2.8 | 5.5 | 4.3 | 2.6 | 7.8 | 5.6 | 6.5 | 5.8 | 4.6 | 2.8 | 4.3 | 9.9 | 9.1 | 5.8 | 4.8 | 5.6 | 8.9 | 6.5 | 24 | 9.9 |
| 5 | 4.1 | 7.0 | 8.0 | 5.3 | 1.8 | 2.6 | 1.3 | 6.5 | 5.0 | 3.1 | AX | BA | 5.3 | 5.3 | 5.1 | 2.8 | 1.6 | 4.8 | 5.8 | 9.6 | 10.1 | 11.1 | 8.5 | 7.5 | 22 | 11.1 |
| 6 | 11.1 | 7.5 | 7.0 | 10.6 | 8.5 | 7.3 | 7.0 | 5.8 | 5.3 | 3.6 | 2.6 | 1.1 | 7.0 | 6.1 | 3.3 | 3.6 | 8.5 | 8.7 | 9.8 | 10.8 | 7.8 | 7.7 | 6.0 | 8.2 | 24 | 11.1 |
| 7 | 5.8 | 3.3 | 5.1 | 4.1 | 4.6 | 3.1 | 1.8 | 2.1 | 1.8 | 3.6 | 5.6 | 3.6 | 2.8 | 2.3 | 2.3 | 4.6 | 3.6 | .3 | -.4 | .3 | 1.8 | 2.6 | 3.3 | 3.3 | 24 | 5.8 |
| 8 | 2.3 | 1.1 | 2.8 | .8 | 1.5 | 3.1 | 3.3 | 3.1 | 3.3 | 2.1 | 5.3 | 5.3 | .8 | -.9 | -.1 | -.9 | 2.3 | 3.3 | 1.6 | -.4 | .3 | 5.8 | 5.8 | 5.3 | 24 | 5.8 |
| 9 | 3.8 | .3 | .6 | .6 | -2.3 | -.9 | 3.3 | 1.6 | .8 | 2.8 | 5.0 | 1.8 | -1.4 | -1.6 | -2.0 | -1.5 | .1 | 5.3 | 3.8 | 1.1 | 2.8 | 6.5 | 6.8 | 7.5 | 24 | 7.5 |
| 10 | 10.3 | 6.5 | 6.0 | 7.0 | 5.3 | 3.8 | 13.5 | 7.5 | 6.8 | 5.8 | 1.1 | -.6 | 2.3 | 4.3 | 3.3 | 2.6 | 2.8 | 2.6 | 5.3 | 7.5 | 9.9 | 5.5 | 6.3 | 7.0 | 24 | 13.5 |
| 11 | 3.6 | 4.3 | 4.8 | 5.1 | 4.3 | 2.8 | 5.5 | 7.5 | 3.8 | 3.8 | 8.0 | 7.0 | 4.3 | 4.1 | 9.1 | 6.8 | 8.4 | 7.3 | 5.6 | 5.3 | 10.8 | 9.1 | 6.8 | 7.3 | 24 | 10.8 |
| 12 | 10.6 | 5.8 | 2.8 | 7.5 | 7.7 | 10.1 | 7.3 | 12.8 | 9.1 | 8.0 | 6.3 | 4.8 | 4.6 | 3.3 | 2.1 | 2.1 | -.8 | -.4 | .3 | 2.6 | 4.8 | 1.6 | -2.1 | 1.3 | 24 | 12.8 |
| 13 | 5.3 | 3.3 | -.2 | 2.3 | 2.3 | 1.3 | 5.3 | 4.8 | 3.8 | 5.3 | 3.8 | 2.6 | 1.1 | 1.6 | 3.1 | 1.3 | 1.6 | 2.6 | 6.6 | 8.2 | 8.4 | 5.8 | 8.2 | 10.1 | 24 | 10.1 |
| 14 | 8.9 | 6.5 | 8.9 | 6.8 | 5.8 | 6.5 | 8.5 | 8.5 | 8.7 | 8.2 | 7.0 | 3.8 | 4.6 | 6.8 | 2.3 6 | 4.8 | 10.6 | 8.0 | 9.9 | 7.5 | 21.8 | 16.9 | 12.3 | 7.5 | 24 | 21.8 |
| 15 | 6.5 | 10.3 | 15.2 | 14.7 | 16.5 | 7.0 | 12.8 | 12.3 | 8.5 | 4.5 | 7.3 | 6.8 | 6.3 | 5.8 | 1.8 | -.4 | 1.3 | -.2 | .6 | 5.3 | 13.0 | 26.7 | 16.2 | 14.5 | 24 | 26.7 |
| 16 | 9.6 | 9.4 | 6.8 | 8.0 | 6.5 | 7.3 | 6.5 | 5.8 | 7.3 | 5.3 | 4.5 | 3.6 | 2.6 | 2.3 | 1.8 6 | 6.3 6 | 8.0 6 | 5.3 6 | 8.2 | 6.8 | 12.8 | 14.0 | 7.7 | 5.8 | 24 | 14.0 |
| 17 | 7.0 | 7.0 | 6.8 | 8.0 | 5.5 | 3.6 | 4.0 | 3.8 | 4.6 | 4.3 | 2.3 | 2.3 | 1.6 6 | 1.6 6 | .9 6 | 2.3 6 | 13.3 6 | 8.0 6 | 5.3 | 5.1 | 10.8 | 9.6 | 8.9 | 9.8 | 24 | 13.3 |
| 18 | 6.0 | 5.3 | 7.0 | 8.9 | 11.1 | 10.8 | 13.7 | 15.0 | 16.5 | 13.2 | 10.1 | 16.0 6 | 3.3 6 | 5.1 6 | 5.8 6 | 6.6 6 | 7.8 6 | 3.6 6 | 3.1 | 9.2 | 11.6 | 11.3 | 12.0 | 10.1 | 24 | 16.5 |
| 19 | 11.5 | 7.5 | 7.3 | 7.5 | 5.5 | 6.0 | 6.3 | 9.7 | AX | BA | 3.3 | 4.3 | 6.3 | 4.3 | 6.0 6 | 6.0 | 5.6 | 8.9 | 8.0 | 7.8 | 9.9 | 15.5 | 10.8 | 12.8 | 22 | 15.5 |
| 20 | 11.5 | 11.8 | 6.5 | 7.0 | 6.8 | 6.0 | 6.8 | 11.1 | 14.5 | 12.5 | 10.3 | 9.9 6 | 13.8 6 | 9.9 | 10.6 | 11.1 | 11.6 | 10.1 | 11.1 | 12.0 | 12.8 | 14.5 | 13.5 | 9.1 | 24 | 14.5 |
| 21 | 11.8 | 10.1 | 12.8 | 11.0 | 8.0 | 8.9 | 9.6 | 16.2 | 8.2 | 8.6 | 7.5 | 5.0 | 13.3 | 10.6 | 12.3 | 11.1 | 10.3 | 14.2 | 9.6 | 8.0 | 8.9 | 10.8 | 7.0 | 6.0 | 24 | 16.2 |
| 22 | 7.5 | 9.6 | 7.3 | 8.4 | 9.9 | 9.1 | 9.1 | 11.1 | 10.8 | 8.4 | 9.6 | 10.6 | 8.0 | 11.8 | 11.5 | 8.5 | 5.8 | 3.0 | 8.9 | 8.5 | 7.3 | 7.0 | 8.7 | 5.5 | 24 | 11.8 |
| 23 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 24 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 25 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 26 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 27 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | BA | 8.5 | 6.0 | 8.0 | 7.5 | 7.7 | 9.6 | 11.3 | 12.0 | 8.9 | 15.2 | 14.0 | 11 | 15.2 |
| 28 | 10.1 | 19.1 | 10.6 | 11.0 | 10.3 | 9.6 | 7.0 | 8.9 | 9.4 | 7.7 | 6.3 | 8.5 | 7.0 | 8.0 | 7.8 6 | 8.2 | 5.3 | 8.5 | 7.3 | 7.5 | 13.2 | 14.7 | 14.7 | 14.0 | 24 | 19.1 |
| 29 | 9.3 | 11.8 | 8.4 | 7.2 | 7.2 | 5.0 | 11.3 | 10.1 | 7.7 | 5.0 | 5.5 | 3.3 | 3.8 6 | 5.8 6 | 4.8 6 | 5.3 6 | 4.3 6 | 4.5 | 6.8 | 21.5 | 5.5 | 8.2 | 8.9 | 8.4 | 24 | 21.5 |
| 30 | 5.8 | 10.1 | 6.8 | 6.8 | 6.0 | 4.0 | 1.8 | 3.8 | 8.9 | 6.3 | 3.5 | 8.7 | 12.8 6 | 9.8 | 8.2 | 8.0 | 10.8 | 9.1 | 8.5 | 8.5 | 11.8 | 9.4 | 8.2 | 6.3 | 24 | 12.8 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 24 | 24 | 24 | 24 | 25 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | | |
| MAX: | 11.8 | 19.1 | 15.2 | 14.7 | 16.5 | 10.8 | 13.7 | 16.2 | 16.5 | 13.2 | 10.3 | 16.0 | 13.8 | 11.8 | 12.3 | 11.1 | 13.3 | 15.2 | 11.1 | 21.5 | 21.8 | 26.7 | 16.2 | 14.5 | | |
| AVG: | 7.42 | 6.89 | 6.40 | 6.60 | 5.90 | 5.19 | 6.32 | 7.40 | 6.64 | 5.90 | 5.88 | 5.21 | 4.95 | 4.80 | 4.53 | 4.68 | 5.55 | 5.76 | 5.78 | 6.86 | 8.82 | 9.44 | 8.55 | 7.97 | | |

MONTHLY OBSERVATIONS: 607 MONTHLY MEAN: 6.40 MONTHLY MAX: 26.7

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-173-0002 POC: 3
COUNTY: (173) Swain
CITY: (08480) Bryson City (RR name Bryson)
SITE ADDRESS: 30 Recreation Park Drive
SITE COMMENTS: Address before Mar 2010 was 470 CENTER STREET, +35.435509, -83.443697 (173 M move)
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.434767
LONGITUDE: -83.442133
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 560
PROBE HEIGHT: 5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MAY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.9 | 9.6 | 8.9 | 9.4 | 11.8 | 11.3 | 8.0 | 6.8 | 6.5 | 9.6 | 8.7 | 4.3 | 6.8 | 8.7 6 | 11.0 | 6.0 | 9.4 | 13.0 | 12.3 | 7.7 | 10.1 | 11.0 | 10.3 | 6.3 | 24 | 13.0 |
| 2 | 3.8 | 4.3 | 2.5 | 4.0 | 2.5 | 7.0 | 10.3 | 6.5 | 3.3 | 1.8 | 6.8 | 8.9 | 8.0 | 8.0 | 17.9 | 8.0 | 4.5 | 7.7 | 9.8 | 6.0 | 1.1 | 2.5 | 8.7 | 5.0 | 24 | 17.9 |
| 3 | 2.3 | 5.0 | 4.0 | 5.8 | 6.0 | 7.2 | 5.0 | 2.1 | 1.5 | AX | BA | 9.4 | 6.0 | 8.4 | 7.5 | 4.5 | 6.2 | 5.7 | 6.7 | 6.5 | 5.0 | 13.9 | 8.4 | 8.2 | 22 | 13.9 |
| 4 | 5.5 | 8.4 | 6.7 | 7.9 | 7.7 | 7.2 | 6.7 6 | 6.7 | 2.5 | 2.8 | 4.0 | 2.3 | 3.3 | 7.9 | 5.0 | 3.5 | 4.3 | 3.0 | 7.0 | 6.2 | 7.0 | 3.2 | 1.0 | 1.7 | 24 | 8.4 |
| 5 | 1.7 | 1.5 | 1.2 | 3.0 | 6.0 | 3.0 | .8 | 3.7 | 3.0 | .0 | 2.5 | 2.7 | 2.5 | 3.5 | 1.5 | 4.2 | 5.0 | 2.3 | -2.3 | -.2 | 4.7 | 3.7 | 2.8 | 2.3 | 24 | 6.0 |
| 6 | 3.5 | 3.7 | 1.2 | 2.5 | 4.2 | 2.5 | 2.8 | 3.0 | 6.0 | 4.5 | 5.3 | 4.5 | 7.0 | 4.2 | 2.5 | 2.8 | 5.5 | 6.5 | 4.5 | 4.5 | 4.7 | 7.7 | 7.2 | 6.7 | 24 | 7.7 |
| 7 | 12.7 | 14.9 | 9.6 | 12.0 | 7.9 | 8.2 | 7.2 | 9.4 | 7.2 | 6.0 | 7.7 | 5.5 | 1.5 | 8.7 | 7.5 | 6.5 | 5.8 | 7.7 | 5.5 | 5.5 | 19.6 | 26.5 | 21.2 | 19.3 | 24 | 26.5 |
| 8 | 8.9 | 11.3 | 18.6 | 14.0 | 8.4 | 6.0 | 8.7 | 8.9 | 11.0 | 8.7 | 12.3 | 10.3 | 8.9 | 8.0 | 10.3 | 9.4 | 12.5 | 9.2 | 5.8 | 15.4 | 13.2 | 11.3 | 11.5 | 9.3 | 24 | 18.6 |
| 9 | 12.2 | 11.0 | 12.2 | 13.0 | 7.5 | 8.7 | 8.9 | 14.0 | 8.7 | 14.0 | 12.0 | 11.3 | 11.8 | 18.4 | 12.0 | 10.1 | 8.9 | 14.5 | 12.7 | 16.2 | 14.7 | 11.5 | 11.3 | 7.9 | 24 | 18.4 |
| 10 | 7.7 | 9.1 | 6.2 | 8.4 | 6.7 | 5.5 | 7.7 | 13.4 | 7.5 | 8.7 | 8.2 | 9.8 | 8.2 | 8.7 | 4.8 | 9.1 | 9.6 | 12.2 | 10.1 | 13.0 | 16.2 | 14.7 | 10.3 | 9.8 | 24 | 16.2 |
| 11 | 11.5 | 13.0 | 12.0 | 15.2 | 11.3 | 12.5 | 14.0 | 20.3 | 17.6 | 14.9 | 20.6 | 21.8 | 17.4 | 15.4 | 12.5 | 8.2 | 9.4 | 7.5 | 8.4 | 14.2 | 15.9 | 10.0 | 15.2 | 11.0 | 24 | 21.8 |
| 12 | 13.9 | 14.4 | 11.0 | 7.7 | 11.5 | 10.0 | 12.0 | 17.4 | 16.2 | 14.9 | 13.0 | 11.5 | 10.8 | 9.6 | 9.2 | 12.2 | 7.7 | 7.7 | 7.5 | 6.0 | 6.0 | 8.9 | 7.5 | 6.7 | 24 | 17.4 |
| 13 | 8.7 | 6.8 | 3.8 | 4.3 | 7.0 | 6.2 | 6.2 | 4.2 | 3.8 | 4.8 | 2.5 | 3.5 | 4.3 | 8.2 | 6.5 | 4.5 | 3.5 | 6.0 | 4.5 | 8.4 | 14.4 | 12.5 | 12.7 | 13.4 | 24 | 14.4 |
| 14 | 10.0 | 9.4 | 9.1 | 6.2 | 4.0 | 2.2 | 1.5 | 9.4 | 8.2 | 3.5 | 2.3 | 6.7 | 10.8 | 10.3 | 11.3 | 6.7 | 8.7 | 7.5 | 7.2 | 6.5 | 6.2 | 6.0 | 40.5 | 10.8 | 24 | 40.5 |
| 15 | 10.8 | 9.6 | 5.5 | .8 | -.6 | 1.0 | 3.0 | 3.7 | 3.0 | 1.0 | -.2 | 1.5 | 7.2 | 6.0 | 2.8 | 2.2 | 3.7 | 3.2 | 4.8 | 4.2 | 5.5 | 6.2 | 7.7 | 8.9 | 24 | 10.8 |
| 16 | 10.1 | 6.2 | 8.6 | 8.2 | 7.7 | 4.2 | .8 | 2.2 | 4.0 | 4.7 | 4.2 | 4.8 | 5.3 | 4.2 | 3.3 | 2.8 | 7.5 | 6.5 | 8.2 | 6.5 | 5.0 | 6.7 | 6.7 | 4.5 | 24 | 10.1 |
| 17 | 4.5 | 5.7 | 6.5 | 5.5 | 7.5 | 9.8 | 7.9 | 7.5 | 5.7 | 9.1 | 11.0 | 12.2 | 8.4 | 4.5 | 8.7 | 5.5 | 9.3 | 7.7 | 3.8 | 11.8 | 9.3 | 11.0 | 11.2 | 7.7 | 24 | 12.2 |
| 18 | 7.0 | 7.7 | 6.7 | 5.2 | 5.0 | 6.0 | 5.0 | 5.2 | 6.0 | 13.0 | 9.4 | 6.2 | 7.0 | 4.8 | 4.0 | 6.3 | 11.3 | 13.7 | 12.5 | 10.3 | 12.5 | 8.9 | 10.5 | 9.6 | 24 | 13.7 |
| 19 | 8.2 | 8.7 | 8.2 | 3.3 | 1.3 | 5.5 | 3.3 | 3.8 | 6.5 | 15.7 | 25.2 | 14.2 | 8.7 | 5.3 | 5.3 | 5.5 | 4.8 | 7.5 | 7.9 | 8.2 | 7.2 | 4.8 | 3.5 | 1.8 | 24 | 25.2 |
| 20 | .0 | -.4 | .0 | 2.3 | 2.3 | 1.5 | 3.8 | .8 | -4.0 | AZ | AZ | BA | BA | 5.5 | 3.0 | 4.3 | 4.3 | 7.0 | 5.5 | 5.5 | 5.5 | 5.7 | 6.5 | 5.0 | 20 | 7.0 |
| 21 | 3.7 | -1.8 | 7.2 | 5.5 | 1.3 | 2.5 | 6.5 | 4.7 | 4.3 | 4.0 | 3.3 | 5.0 | 6.7 | 7.0 | 3.8 | 3.8 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 16 | 7.2 |
| 22 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | 0 | |
| 23 | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | AJ | BA | 6.7 | 7.5 | 18.3 | 8.7 | 18.1 | 18.1 | 16.9 | 14.9 | 8 | 18.3 |
| 24 | 13.7 | 9.1 | 7.4 | 6.0 | 5.7 | 6.5 | 10.7 | 9.4 | 11.3 | 6.2 | 8.2 | 8.7 | 7.5 | 17.1 | 7.2 | 7.7 | 6.7 | 9.6 | 9.4 | 13.0 | 22.2 | 15.4 | 12.7 | 8.6 | 24 | 22.2 |
| 25 | 11.5 | 11.7 | 10.5 | 10.3 | 9.4 | 7.2 | 10.3 | 11.0 | 9.8 | 11.3 | 14.7 | 14.4 | 15.2 | 16.4 | 16.9 | 13.2 | 17.2 | 14.2 | 16.9 | 24.0 | 20.6 | 20.8 | 25.2 | 19.6 | 24 | 25.2 |
| 26 | 19.3 | 14.4 | 18.4 | 12.0 | 19.1 | 12.2 | 13.5 | 15.7 | 15.9 | 16.9 | 21.3 | 17.4 | 17.6 | 10.3 | 14.0 | 9.4 | 16.2 | 11.5 | 10.5 | 12.5 | 10.8 | 10.0 | 15.2 | 12.5 | 24 | 21.3 |
| 27 | 11.0 | 8.2 | 12.2 | 11.7 | 9.6 | 10.3 | 9.8 | 8.6 | 10.0 | 13.7 | 11.3 | 20.1 | 14.0 | 10.8 | 10.5 | 9.9 | 16.9 | 13.7 | 15.7 | 16.7 | 19.3 | 22.5 | 24.2 | 20.8 | 24 | 24.2 |
| 28 | 24.2 | 17.8 | 18.1 | 16.6 | 16.4 | 19.3 | 18.1 | 16.2 | 11.5 | 14.2 | 13.7 | 10.0 | 12.7 | 11.0 | 10.5 | 10.8 | 10.5 | 15.7 | 5.0 | 19.3 | 19.1 | 25.4 | 19.1 | 26.9 | 24 | 26.9 |
| 29 | 19.1 | 12.0 | 16.1 | 17.6 | 15.9 | 13.2 | 12.5 | 12.5 | 8.9 | 13.7 | 9.6 | 12.0 | 8.2 | 15.9 | 20.1 | 20.8 | 16.4 | 14.4 | 16.4 | 19.1 | 22.2 | 34.8 | 35.3 | 31.1 | 24 | 35.3 |
| 30 | 23.4 | 25.9 | 19.3 | 20.1 | 14.7 | 13.2 | 13.0 | 14.9 | 11.2 | 11.0 | 12.2 | 10.3 | 15.7 | 6.2 | 14.2 | 9.4 | 7.7 | 10.1 | 10.1 | 12.5 | 12.5 | 17.4 | 16.4 | 13.2 | 24 | 25.9 |
| 31 | 8.6 | 13.7 | 9.6 | 8.4 | 8.2 | 11.5 | 13.0 | 13.6 | AX | BA | 8.2 | 9.4 | 7.5 | 14.7 | 9.4 | 8.7 | 12.5 | 13.0 | 10.6 | 9.9 | 10.8 | 7.7 | 8.4 | 12.0 | 22 | 14.7 |
| NO.: | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 28 | 26 | 27 | 28 | 28 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | | |
| MAX: | 24.2 | 25.9 | 19.3 | 20.1 | 19.1 | 19.3 | 18.1 | 20.3 | 17.6 | 16.9 | 25.2 | 21.8 | 17.6 | 18.4 | 20.1 | 20.8 | 17.2 | 15.7 | 18.3 | 24.0 | 22.2 | 34.8 | 40.5 | 31.1 | | |
| AVG: | 9.88 | 9.34 | 9.01 | 8.51 | 7.79 | 7.63 | 7.97 | 8.81 | 7.40 | 8.80 | 9.56 | 9.24 | 8.89 | 9.23 | 8.73 | 7.45 | 8.71 | 9.17 | 8.80 | 10.28 | 11.70 | 12.37 | 13.38 | 10.88 | | |

MONTHLY OBSERVATIONS: 688 MONTHLY MEAN: 9.32 MONTHLY MAX: 40.5

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-173-0002 POC: 3
COUNTY: (173) Swain
CITY: (08480) Bryson City (RR name Bryson)
SITE ADDRESS: 30 Recreation Park Drive
SITE COMMENTS: Address before Mar 2010 was 470 CENTER STREET, +35.435509, -83.443697 (173 M move)
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.434767
LONGITUDE: -83.442133
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 560
PROBE HEIGHT: 5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JUNE 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.8 | 5.7 | 6.9 | 8.3 | 7.9 | 8.8 | 9.1 | 11.7 | 12.4 | 13.4 | 10.5 | 11.2 | 9.6 | 6.9 | 9.3 | 10.5 | 14.4 | 10.1 | 12.9 | 9.1 | 10.0 | 8.8 | 7.6 | 7.9 | 24 | 14.4 |
| 2 | 10.3 | 7.4 | 8.6 | 7.4 | 5.9 | 13.1 | 8.4 | 6.9 | 8.1 | 10.5 | 13.2 | 8.6 | 7.7 | 11.7 | 14.1 | 13.2 | 9.8 | 12.7 | 9.3 | 11.7 | 9.8 | 8.1 | 10.0 | 15.9 | 24 | 15.9 |
| 3 | 14.1 | 8.8 | 7.2 | 7.4 | 11.2 | 8.8 | 9.3 | 7.2 | 6.4 | 9.6 | 14.4 | 14.9 | 16.9 | 15.6 | 12.0 | 14.9 | 10.9 | 9.8 | 8.1 | 14.4 | 16.6 | 19.3 | 23.4 | 15.6 | 24 | 23.4 |
| 4 | 16.6 | 12.2 | 11.4 | 8.8 | 9.3 | 13.1 | 9.1 | 8.6 | 12.9 | 16.6 | 9.6 | 11.2 | 15.9 | 10.5 | 8.9 | 9.3 | 10.3 | 9.3 | 6.2 | 4.4 | 7.2 | 12.6 | 11.7 | 8.3 | 24 | 16.6 |
| 5 | 4.4 | 6.9 | 5.9 | 7.4 | 6.4 | 7.6 | 6.4 | 8.8 | 8.8 | 6.7 | 4.7 | 4.4 | 6.4 | 3.5 | 6.9 | 7.2 | 5.2 | 4.2 | 4.9 | 4.2 | 5.7 | 3.7 | 1.5 | 2.0 | 24 | 8.8 |
| 6 | .5 | 2.4 | 5.7 | 5.9 | 5.4 | 7.2 | 3.9 | 4.4 | 8.1 | 6.2 | 6.4 | 5.4 | 6.9 | 8.4 | 7.9 | 8.6 | 11.3 | 8.6 | 7.2 | 6.4 | 11.9 | 12.7 | 16.3 | 12.9 | 24 | 16.3 |
| 7 | 10.5 | 8.3 | 7.4 | 8.3 | 4.4 | 3.9 | 9.5 | 7.1 | 7.4 | 6.2 | 7.4 | 5.7 | 2.7 | 7.2 | 6.7 | 7.6 | 9.1 | 4.7 | 4.7 | 4.4 | 15.8 | 13.9 | 14.6 | 8.1 | 24 | 15.8 |
| 8 | 16.8 | 6.9 | 9.8 | 8.8 | 7.9 | 7.9 | 5.9 | 6.2 | 3.7 | 1.9 | 2.7 | 2.7 | 5.9 | 5.7 | 4.7 | 7.2 | 7.6 | 10.0 | 10.1 | 6.2 | 18.5 | 21.2 | 12.4 | 9.5 | 24 | 21.2 |
| 9 | 7.6 | 5.1 | 11.2 | 9.0 | 11.2 | 6.7 | 2.9 | 6.4 | 5.4 | 6.7 | 6.4 | 3.7 | 5.7 | 3.4 | 4.5 | 7.9 | 4.0 | 8.1 | 9.1 | 12.7 | 27.1 | 13.6 | 11.0 | 13.1 | 24 | 27.1 |
| 10 | 8.8 | 8.1 | 8.8 | 14.4 | 8.8 | 7.4 | 7.9 | 6.7 | 8.6 | 11.7 | 12.9 | 8.8 | 8.4 | 5.7 | 5.7 | 5.0 | 5.0 | 4.7 | 6.7 | 10.3 | 11.7 | 14.6 | 15.6 | 5.2 | 24 | 15.6 |
| 11 | 7.2 | 18.8 | 8.1 | 12.4 | 10.0 | 10.3 | 9.6 | 10.1 | 15.1 | 16.8 | 12.2 | 18.3 | 15.9 | 13.4 | 10.6 | 11.7 | 9.8 | 12.7 | 15.9 6 | 13.9 | 26.4 | 24.4 | 25.6 | 22.9 | 24 | 26.4 |
| 12 | 22.2 | 22.0 | 22.0 | 14.9 | 14.6 | 15.1 | 13.6 | 14.1 | 17.1 | 11.9 | 15.4 | 12.9 | 15.1 | 11.9 | 9.8 | 11.9 | 16.4 | 15.9 | 19.5 | 18.0 | 14.1 | 22.2 | 27.6 | 22.4 | 24 | 27.6 |
| 13 | 19.8 | 21.7 | 19.3 | 18.5 | 16.3 | 21.7 | 16.6 | 20.0 | 25.6 | 20.5 | 20.8 6 | 17.9 6 | 19.8 | 18.3 | 12.9 6 | 12.2 6 | 10.8 6 | 18.6 6 | 19.6 6 | 17.3 | 17.3 | 24.9 | 31.7 | 29.3 | 24 | 31.7 |
| 14 | 16.3 | 14.4 | 19.5 | 11.2 | 15.6 | 17.8 | 12.7 | 13.2 | 12.4 | 17.8 | 10.6 6 | 14.9 6 | 11.7 | 11.7 | 10.3 | 10.6 6 | 7.9 6 | 15.1 | 7.9 | 10.0 | 8.1 | 7.9 | 13.2 | 11.1 6 | 24 | 19.5 |
| 15 | AV | 13.1 | 11.7 | 10.8 | 11.9 | 11.9 | AX | BA | BA | AT | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 5 | 13.1 |
| 16 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 17 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 18 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 19 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 20 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 21 | DL | DL | DL | DL | DL | DL | DL | DL | DL | BA | 13.4 | 10.6 | 17.3 6 | 13.2 6 | 12.2 6 | 9.9 6 | 11.3 6 | 12.0 6 | 12.9 | 10.5 | 16.1 | 21.3 | 11.2 | 15.9 | 14 | 21.3 |
| 22 | 9.1 | 9.8 | 11.0 | 9.8 | 9.3 | 12.2 | 10.1 | 11.2 | 11.9 | 11.1 6 | 14.9 | 13.2 6 | 13.9 6 | 15.7 6 | 11.3 6 | 11.5 6 | 10.1 6 | 18.1 6 | 12.3 6 | 12.9 | 14.6 | 21.3 | 19.8 | 19.0 | 24 | 21.3 |
| 23 | 13.4 | 10.6 | 9.1 | 13.9 | 12.7 | 15.6 | 10.8 | 10.6 | 13.4 | AX | BA | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 9 | 15.6 |
| 24 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 25 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 26 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 27 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 28 | DL | DL | DL | DL | DL | DL | DL | DL | AX | AX | BA | BA | BA | 7.6 | 6.4 | 9.6 | 7.6 | 9.6 6 | 14.1 | 19.2 | 12.6 | 23.1 | 20.0 | 19.0 | 11 | 23.1 |
| 29 | 11.7 | 6.2 | 12.4 | 12.1 | 10.5 | 7.6 | 8.6 | 7.1 | 12.1 | 10.3 | 10.0 | 9.1 | 7.9 | 12.9 | 7.9 | 6.7 | 6.9 6 | 11.1 6 | 13.4 | 11.5 | 14.6 | 20.3 | 18.0 | 13.9 | 24 | 20.3 |
| 30 | 11.5 | 13.9 | 8.3 | 7.8 | 9.8 | 8.1 | 4.7 | 11.7 | 13.6 | 19.5 | 13.9 | 15.1 | 8.8 | 8.1 | 7.6 | 6.9 | 5.9 | 7.4 | 6.7 6 | 11.0 | 17.5 | 12.9 | 13.4 | 9.5 | 24 | 19.5 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 18 | 19 | 19 | 19 | 19 | 19 | 18 | 18 | 18 | 17 | 18 | 18 | 18 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | | |
| MAX: | 22.2 | 22.0 | 22.0 | 18.5 | 16.3 | 21.7 | 16.6 | 20.0 | 25.6 | 20.5 | 20.8 | 18.3 | 19.8 | 18.3 | 14.1 | 14.9 | 16.4 | 18.6 | 19.6 | 19.2 | 27.1 | 24.9 | 31.7 | 29.3 | | |
| AVG: | 11.70 | 10.65 | 10.75 | 10.37 | 9.95 | 10.78 | 8.84 | 9.56 | 11.28 | 11.61 | 11.08 | 10.48 | 10.92 | 10.07 | 8.93 | 9.60 | 9.17 | 10.67 | 10.61 | 10.95 | 14.51 | 16.15 | 16.03 | 13.76 | | |

MONTHLY OBSERVATIONS: 447 MONTHLY MEAN: 11.19 MONTHLY MAX: 31.7

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-173-0002 POC: 3
COUNTY: (173) Swain
CITY: (08480) Bryson City (RR name Bryson)
SITE ADDRESS: 30 Recreation Park Drive
SITE COMMENTS: Address before Mar 2010 was 470 CENTER STREET, +35.435509, -83.443697 (173 M move)
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.434767
LONGITUDE: -83.442133
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 560
PROBE HEIGHT: 5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JULY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.5 | 13.4 | 13.6 | 14.6 | 10.5 | 10.0 | 9.0 | 14.4 | .2 | AX | BA | BC | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 9 | 14.6 |
| 2 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 3 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 4 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 5 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 8.1 | 5.4 | 2.5 | 1.5 | 4.0 | 5.2 | 3.7 | 7.6 | 8.6 | 5.4 | 2.2 | 3.2 | 6.1 | 4.7 | 14 | 8.6 |
| 6 | 4.4 | 2.9 | 2.4 | 3.9 | 7.8 | 2.2 | -.7 | 3.9 | 5.4 | 4.7 | 6.1 | 6.4 | 6.9 | 7.1 | 10.8 | 7.6 | 6.9 | 7.1 | 9.5 | 5.4 | 7.6 | 4.4 | 2.2 | 2.2 | 24 | 10.8 |
| 7 | .9 | 2.2 | 5.1 | 3.4 | 1.7 | 3.6 | 3.1 | 1.2 | -.4 | .7 | 1.7 | 2.4 | 1.9 | 4.4 | 6.6 | 12.2 | 9.3 | 9.8 | 9.8 | 5.1 | 3.6 | 5.4 | 5.4 | 2.2 | 24 | 12.2 |
| 8 | 3.1 | 2.6 | 4.4 | .9 | -2.6 | -.1 | 3.1 | 3.1 | 3.7 | 3.6 | 6.4 | 7.1 | 10.0 | 8.1 | 6.4 | 6.9 | 8.8 | 8.1 | 10.3 | 7.3 | 2.9 | 7.8 | 6.3 | 3.6 | 24 | 10.3 |
| 9 | 3.4 | 1.1 | -.4 | 1.1 | .5 | .7 | 2.2 | 1.2 | .7 | 5.6 | 2.4 | -.6 | 2.7 | 5.1 | 6.1 | 8.8 | 9.1 | 4.6 | 6.6 | 9.0 | 12.4 | 12.6 | 25.1 | 12.2 | 24 | 25.1 |
| 10 | 12.9 | 12.4 | 10.7 | 12.4 | 9.5 | 9.0 | 8.5 | 10.5 | 7.1 | 8.6 | 10.0 | 6.4 | 5.6 | 7.6 | 5.9 | 2.9 | 1.0 | 1.9 | 2.7 | 5.4 | 10.5 | 8.1 | 10.7 | 6.1 | 24 | 12.9 |
| 11 | 5.1 | 4.9 | 3.6 | 6.8 | 5.9 | 7.1 | 4.9 | 2.4 | 6.6 | 5.9 | 5.4 | 3.9 | 7.1 | 6.1 | 5.9 | 4.7 | 4.2 | 3.2 6 | .8 6 | 1.9 6 | 3.6 6 | 6.3 | 5.8 | 2.4 | 24 | 7.1 |
| 12 | .0 | 1.7 | 3.9 | 4.1 | 2.9 6 | 4.4 6 | 3.6 | 4.9 | 2.7 | 7.6 | 14.1 | 14.1 | 12.0 6 | 18.3 6 | 18.1 6 | AX | BA | 23.5 6 | 23.9 | 27.1 6 | 23.8 | 21.8 | 19.8 | 23.0 | 22 | 27.1 |
| 13 | 22.0 | 18.0 | 15.1 | 20.3 | 12.4 | 19.5 | 14.6 | 14.6 | 17.3 | 17.0 | 26.2 | 19.8 | 14.6 | 11.3 | 11.5 6 | 12.0 6 | 14.2 | 12.4 | 8.4 | 8.6 | 12.2 | 14.4 | 10.8 | 14.4 | 24 | 26.2 |
| 14 | 9.1 | 10.3 | 6.6 | 4.6 | 6.6 | 8.1 | 6.9 | 11.5 | 11.2 | 9.1 | 12.9 | 9.8 | 6.6 | 8.4 6 | 7.9 6 | 5.4 6 | 6.4 6 | 8.1 | 10.5 | 10.8 | 6.1 | 4.4 | 5.7 | 8.3 | 24 | 12.9 |
| 15 | 8.1 | 5.6 | 5.4 | 5.9 | 3.9 | 3.2 | 2.4 | 1.2 | 5.1 | 5.4 | 6.4 | 8.3 | 6.2 | 5.9 | 6.4 | 3.2 | 2.2 | 1.7 | .0 | 2.9 | 4.9 | 6.4 | 11.5 | 12.0 | 24 | 12.0 |
| 16 | 7.8 | 7.6 | 9.3 | 5.1 | 3.2 | 5.1 | 4.2 | 4.2 | 2.7 | 5.9 | 5.2 | 2.7 | 1.0 | 1.2 | 4.2 | 5.9 | 5.6 | 4.9 | 2.9 | 6.9 | 4.4 | 6.1 | 11.5 | 8.8 | 24 | 11.5 |
| 17 | 7.6 | 6.1 | 3.4 | 4.2 | 3.9 | 6.1 | 3.6 | 3.1 | 2.7 | 2.7 | 4.4 | 2.9 | 2.5 | 2.2 | 4.7 | 4.7 | 4.2 | 4.7 | 4.4 | 4.4 | 6.9 | 8.1 | 5.9 | 7.1 | 24 | 8.1 |
| 18 | 4.6 | 3.9 | 5.4 | 7.1 | 6.6 | 3.9 | 2.7 | 4.4 | 5.9 | 8.3 | 6.6 | 2.4 | 5.2 | 6.6 | 4.2 | 3.5 | 3.5 | 5.1 | 4.2 | 1.5 | 2.2 | 5.4 | 6.6 | 10.3 | 24 | 10.3 |
| 19 | 10.5 | 7.6 | 6.4 | 4.4 | 7.9 | 5.7 | 3.2 | 3.9 | 5.9 | 4.2 | 2.5 | 6.9 | 5.2 | 6.7 | 4.2 | 6.7 | 8.8 | 8.1 | 5.9 | 4.2 | 3.7 | 3.7 | 6.6 | 9.6 | 24 | 10.5 |
| 20 | 10.5 | 6.4 | 4.9 | 6.4 | 4.2 | 7.8 | 8.8 | 6.2 | 8.3 | 7.9 | 7.4 | 6.6 | 8.1 | 6.2 | 8.6 | 11.3 | 6.4 | 7.6 | 6.2 | 3.2 | 6.1 | 10.3 | 13.9 | 15.6 | 24 | 15.6 |
| 21 | 15.8 | 6.6 | 8.1 | 6.6 | 6.1 | 8.1 | 5.6 | 5.1 | 8.8 | 7.9 | 6.9 | 16.1 | 11.5 | 11.3 | 9.1 | 12.0 | 6.7 | 5.5 | 6.7 | 7.4 | 7.1 | 8.8 | 9.8 | 5.6 | 24 | 16.1 |
| 22 | 5.9 | 3.7 | 2.0 | 6.2 | 5.1 | 6.4 | 4.2 | 8.1 | 8.6 | 5.9 | 3.4 | 6.4 | 7.4 | 9.8 | 10.6 | 7.4 6 | 8.4 6 | 7.6 | 5.2 | 6.2 | 6.4 | 9.3 | 19.3 | 5.4 | 24 | 19.3 |
| 23 | 15.4 | 11.8 | 10.8 | 7.6 | 9.5 | 8.3 | 5.9 | 8.1 | 8.1 | 8.5 | 7.1 | 8.9 | 8.4 | 7.7 6 | 6.7 | 5.2 | 3.7 | 2.9 | 1.9 | 1.7 | 2.0 | 4.2 | 11.7 | 8.8 | 24 | 15.4 |
| 24 | 11.5 | 12.9 | 12.5 | 10.0 | 6.2 | 6.6 | 5.2 | 4.4 | 8.3 | 8.6 | 6.6 | 7.6 | 6.4 | 11.3 | 6.2 | 3.5 6 | 6.4 6 | 4.9 | 2.9 | 3.4 | 5.6 | 10.5 | 13.6 | 14.8 | 24 | 14.8 |
| 25 | 10.5 | 8.6 | 5.6 | 6.2 | 4.7 | 3.7 | 4.2 | 4.9 | 6.2 | 4.2 | 6.7 | 11.1 | 7.2 | 6.0 | 9.8 | 6.9 | 7.6 | 5.7 | 4.9 | 4.9 | 7.1 | 7.1 | 7.4 | 7.9 | 24 | 11.1 |
| 26 | 9.3 | 6.4 | 6.4 | 5.4 | 5.9 | 3.9 | 6.6 | 6.1 | 8.3 | AX | BA | 7.3 | 5.7 | 8.6 6 | 5.3 6 | 5.9 | 6.6 | 5.4 | 4.4 | 4.6 | 5.6 | 7.6 | 10.0 | 12.0 | 22 | 12.0 |
| 27 | 9.8 | 6.8 | 7.3 | 9.3 | 11.0 | 11.7 | 8.3 | 8.6 | 9.0 | 8.5 | 12.0 | 8.8 | 7.1 | 6.6 6 | 5.4 6 | 3.9 | 1.7 6 | 1.4 | 6.6 | 5.6 | 6.8 | 7.1 | 4.6 | 1.4 | 24 | 12.0 |
| 28 | 11.0 | 9.5 | 10.3 | 7.8 | 6.3 | 5.9 | 3.4 | 5.4 | 4.4 | 8.6 | 10.0 | 9.0 | 4.6 | 3.1 | 4.9 | 2.9 | 4.6 | 9.8 | 6.8 | 8.1 | 7.3 | 7.3 | 5.4 | 3.9 | 24 | 11.0 |
| 29 | 2.9 | 3.4 | 2.1 | 1.2 | 1.7 | .7 | 2.6 | 4.6 | 3.9 | -.1 | .3 | 3.4 | 3.1 | 3.7 | 1.7 | 3.2 | 5.1 | 8.8 | 6.4 | 5.4 | 6.8 | 11.2 | 8.8 | 10.5 | 24 | 11.2 |
| 30 | 8.8 | 5.9 | 10.0 | 7.6 | 3.4 | 2.2 | 3.4 | 4.4 | 7.1 | 6.6 | 7.1 | 5.9 | 6.4 | 4.7 | 6.6 | 4.7 | 3.9 | 3.7 | 9.3 | 7.3 | 8.1 | 6.4 | 9.3 | 11.3 | 24 | 11.3 |
| 31 | 11.0 | 7.8 | 5.9 | 8.5 | 5.4 | 7.8 | 5.1 | 5.4 | 5.6 | 3.2 | 1.7 | 4.6 | 2.7 | 2.9 | 5.2 | 4.9 | 5.2 | 3.9 | 2.4 | 5.1 | 10.8 | 9.5 | 13.3 | 9.3 | 24 | 13.3 |
| NO.: | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 25 | 26 | 27 | 27 | 27 | 27 | 26 | 26 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | | |
| MAX: | 22.0 | 18.0 | 15.1 | 20.3 | 12.4 | 19.5 | 14.6 | 14.6 | 17.3 | 17.0 | 26.2 | 19.8 | 14.6 | 18.3 | 18.1 | 12.2 | 14.2 | 23.5 | 23.9 | 27.1 | 23.8 | 21.8 | 25.1 | 23.0 | | |
| AVG: | 8.57 | 7.04 | 6.70 | 6.73 | 5.56 | 5.99 | 4.99 | 5.77 | 6.05 | 6.36 | 7.22 | 7.17 | 6.24 | 6.76 | 6.93 | 6.21 | 5.93 | 6.59 | 6.38 | 6.25 | 6.91 | 8.05 | 9.89 | 8.64 | | |

MONTHLY OBSERVATIONS: 643 MONTHLY MEAN: 6.79 MONTHLY MAX: 27.1

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-173-0002 POC: 3
COUNTY: (173) Swain
CITY: (08480) Bryson City (RR name Bryson)
SITE ADDRESS: 30 Recreation Park Drive
SITE COMMENTS: Address before Mar 2010 was 470 CENTER STREET, +35.435509, -83.443697 (173 M move)
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.434767
LONGITUDE: -83.442133
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 560
PROBE HEIGHT: 5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: AUGUST 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11.8 | 10.5 | 9.8 | 8.8 | 6.6 | 7.1 | 5.9 | 8.3 | 4.9 | 7.4 | 9.1 | 6.2 | 2.5 | .6 | 4.0 | 5.2 | 2.8 | 5.7 | 6.9 | 7.4 | 4.2 | 10.8 | 9.1 | 9.6 | 24 | 11.8 |
| 2 | 7.6 | 5.7 | 5.2 | 7.9 | 6.2 | 4.7 | 5.7 | 5.2 | 5.7 | 5.9 | 5.4 | 5.2 | 6.2 | 5.4 | 5.2 | 6.9 | 5.4 | 7.1 | 8.1 | 5.2 | 2.7 | 5.4 | 9.1 | 8.4 | 24 | 9.1 |
| 3 | 7.4 | 5.2 | 9.3 | 7.4 | 4.9 | 8.6 | 12.7 | 8.6 | 6.9 | 6.2 | 6.9 | 10.6 | 6.4 | 4.0 | 1.8 | 1.5 | 5.7 6 | 6.2 | 7.1 | 4.9 | 7.9 | 16.8 | 15.1 | 12.5 | 24 | 16.8 |
| 4 | 12.9 | 7.9 | 7.6 | 8.9 | 7.9 | 9.3 | 6.4 | 6.0 | 8.6 | 6.7 | 4.7 | 7.1 | 5.5 | 5.7 6 | 5.5 6 | 3.5 6 | 4.7 | 9.4 | 5.7 | 3.3 | 6.4 | 6.0 | 4.5 | 3.0 | 24 | 12.9 |
| 5 | 3.5 | 1.5 | 1.2 | 2.5 | 1.7 | 6.2 | 4.2 | 2.2 | 1.2 | .8 | 1.3 | 5.9 | 6.9 | 7.9 | 7.1 | 9.9 | 7.7 | 4.5 | 8.4 | 7.6 | 9.9 | 9.6 | 18.1 | 12.7 | 24 | 18.1 |
| 6 | 16.1 | 11.3 | 9.9 | 6.9 | 7.9 | 7.9 | 7.1 | 10.1 | 12.3 | 13.0 | 8.4 | 11.8 | 9.6 | 8.7 | 8.2 | 8.7 | 8.4 | 9.6 | 10.4 | 10.6 | 15.4 | 19.9 | 17.9 | 15.9 | 24 | 19.9 |
| 7 | 17.3 | 11.3 | 14.2 | 13.5 | 15.4 | 9.1 | 7.9 | 10.4 | 7.7 | 8.2 | 11.6 | 9.9 | 11.1 | 10.4 | 8.9 | 12.3 | 8.6 | 9.6 | 8.9 | 7.2 | 5.5 | 3.8 | 3.7 | 5.7 | 24 | 17.3 |
| 8 | 6.7 | 8.2 | 7.4 | 7.9 | 6.7 | 5.7 | 8.4 | 5.5 | 8.2 | 7.4 | 6.7 | 5.5 | 6.0 | 7.2 | 8.4 | 5.7 | 5.3 | 6.0 | 4.7 | 6.7 | 10.9 | 13.5 | 11.6 | 10.4 | 24 | 13.5 |
| 9 | 9.9 | 6.7 | 5.0 | 7.9 | 9.2 | 6.5 | 7.2 | 10.4 | 6.9 | AX | AX | .8 | .4 | 3.3 | 3.0 | 1.5 | .9 | 6.5 | 5.2 | 4.8 | 6.9 | 9.4 | 4.8 | 4.0 | 22 | 10.4 |
| 10 | 7.4 | 5.5 | 3.8 | 6.0 | 4.3 | 3.5 | 2.8 | 3.3 | 4.0 | 4.3 | 7.2 | 3.5 | -2.5 | -.1 | 1.3 | -2.8 | -2.5 | 1.8 | -.3 | 2.3 | 2.8 | 5.3 | 5.0 | 4.0 | 24 | 7.4 |
| 11 | 2.0 | .4 | 2.3 | 2.5 | 2.5 | 1.8 | 5.5 | 3.8 | .9 | 4.8 | 1.4 | 3.8 | 3.0 | 1.6 | 2.8 | 3.3 | 2.5 | 1.3 | 4.0 | 6.3 | 4.3 | 5.0 | 6.0 | 4.6 | 24 | 6.3 |
| 12 | 4.3 | 1.4 | 2.8 | 2.0 | 2.8 | 3.5 | 1.6 | 2.6 | 4.3 | 3.3 | 2.8 | 2.4 | .0 6 | -.6 | .4 | 1.5 | .6 | 2.8 | 1.8 | 2.5 | 5.5 | 6.5 | 3.3 | 4.0 | 24 | 6.5 |
| 13 | 5.2 | 3.5 | 2.0 | 6.2 | 7.2 | 5.7 | 7.7 | 6.0 | 5.5 | 4.3 | 2.0 | 2.3 | 4.0 | .9 | -1.1 | 1.8 | .1 | -1.6 | -.6 | -.4 | -.1 | 6.5 | 13.2 | 12.3 | 24 | 13.2 |
| 14 | 8.9 | 10.4 | 9.6 | 5.0 | 6.0 | 6.2 | 5.7 | 3.3 | 4.3 | 2.7 | 1.5 | 6.9 | 5.0 | 4.0 | 8.7 | 5.5 | .9 | .8 | 3.8 | .4 | 1.5 | 4.5 | 5.2 | 4.5 | 24 | 10.4 |
| 15 | 3.0 | 3.2 | 2.5 | 4.7 | 3.5 | 1.1 | 1.7 | 6.7 | 4.7 | 1.7 | .8 | 3.2 | .8 | -2.8 | -1.6 | 2.8 | 4.3 | 4.0 | 3.3 | 5.5 | 2.5 | 1.1 | 4.5 | 5.2 | 24 | 6.7 |
| 16 | 11.8 | 7.2 | 5.0 | 5.7 | 5.2 | 4.9 | 3.2 | 5.0 | 5.7 | 8.1 | 5.0 | 2.3 | .4 | .4 | 1.1 | .1 | .2 | .4 | 1.1 | -1.1 | 4.0 | 4.0 | .8 | -.1 | 24 | 11.8 |
| 17 | 1.8 | 5.2 | 4.0 | 1.8 | 3.5 | 4.0 | 3.3 | 4.0 | 3.5 | 1.1 | -.6 | 2.3 | 2.0 | 4.5 | 3.0 | .9 | 2.5 | 2.5 | 2.8 | 1.3 | 1.8 | 3.0 | 1.3 | 1.2 | 24 | 5.2 |
| 18 | 3.8 | 3.3 | 3.2 | 2.2 | .6 | 2.5 | 7.2 | 4.5 | 3.3 | 3.8 | 1.8 | 1.5 | 2.3 | -.3 | -1.8 | -1.5 | -.8 | 1.5 | 1.8 | 2.3 | 2.0 | 2.8 | 7.7 | 4.8 | 24 | 7.7 |
| 19 | 4.0 | 5.0 | 2.8 | 2.3 | 1.8 | 1.3 | 4.2 | 1.3 | .9 | 4.3 | 4.0 | 1.3 | -.6 | -.1 | -1.1 | .1 | 4.0 | 2.3 | .9 | 4.5 | 3.3 | .4 | 2.8 | 3.2 | 24 | 5.0 |
| 20 | 9.1 | 3.3 | .9 | .4 | -.4 | -.1 | -1.1 | -1.3 | 1.1 | 3.5 | 1.3 | 1.3 | 1.8 | .9 | .1 | -.1 | -.8 | -2.3 | -1.3 | 4.0 | 4.8 | 6.0 | 4.3 | 1.3 | 24 | 9.1 |
| 21 | 1.5 | -.3 | -1.1 | .9 | .9 | .4 | 2.5 | 2.8 | 2.5 | 4.0 | 6.5 | 8.7 | 6.0 | 2.1 | -.1 | -.3 | .2 | -.1 | .6 | 2.5 | 2.8 | 4.3 | 2.3 | 2.3 | 24 | 8.7 |
| 22 | 3.2 | 3.0 | 1.3 | 7.0 | 6.7 | 4.0 | 6.2 | 8.2 | 5.3 | 5.7 | 4.0 | 3.8 | 6.7 | 6.0 | 4.0 | 3.0 | 2.5 | 2.1 | 3.3 | 4.5 | 9.9 | 6.0 | 4.5 | 3.7 | 24 | 9.9 |
| 23 | 6.2 | 5.2 6 | 2.0 | 1.1 | 2.8 6 | 2.5 | 2.5 | 2.5 | 6.7 | 5.0 | 2.8 | 10.6 | 7.9 | 5.2 | 4.0 | 4.5 | 3.8 | 5.0 | 6.5 | 7.4 | 6.2 | 8.9 | 6.0 | 3.3 | 24 | 10.6 |
| 24 | 9.4 | 6.5 | 7.0 | 8.2 | 6.7 | 7.4 | 5.5 | 11.3 | 10.2 | AX | AZ | -.8 | 2.0 | 1.8 | 1.8 | 5.2 | 2.8 | 1.1 | 1.5 | .6 | -.4 | .1 | -.6 | -4.0 | 22 | 11.3 |
| 25 | -3.8 | -1.8 | -4.3 | -.1 | -1.1 | -1.6 | 2.8 | 5.0 | 2.5 | -.3 | -.8 | 3.0 | -.3 | -3.0 | -1.8 | -3.0 6 | -1.0 | 3.0 | -.4 | -5.0 | -5.0 | .1 | 1.5 | .6 | 24 | 5.0 |
| 26 | -1.8 | -4.8 | -5.0 | -3.1 | 3.0 | 6.2 | 1.3 | -4.3 | -.6 | 4.8 | 1.7 | -1.6 | -2.3 | -1.8 | .2 6 | .9 6 | .6 6 | 2.8 | .6 | 2.5 | 4.3 | 1.5 | .8 | .1 | 24 | 6.2 |
| 27 | .1 | .6 | .3 | -.4 | -2.3 | -3.5 | -2.8 | 1.1 | 1.1 | -.9 | 3.0 | 8.2 | 7.2 | 4.8 | 1.8 | .6 | 3.3 | 3.0 | 1.5 | .6 | -2.8 | 2.5 | 2.0 | -1.3 | 24 | 8.2 |
| 28 | -1.1 | -1.6 | -1.1 | -2.8 | -3.3 | 3.0 | 2.7 | .1 | 2.5 | 3.5 | .8 | .9 | 1.3 | 3.7 | 4.5 | 1.8 | 3.3 | 4.2 | 1.8 | .6 | .6 | 1.8 | 1.3 | 1.5 | 24 | 4.5 |
| 29 | 9.6 | 6.5 | 2.0 | .8 | 3.0 | 3.5 | 3.2 | 2.7 | 9.6 | 4.5 | .6 | 7.2 | 6.4 | 4.0 | 1.3 | 1.6 | 3.8 6 | 2.8 | 3.7 | 6.2 | 6.2 | 4.5 | 9.6 | 6.2 | 24 | 9.6 |
| 30 | 3.0 | 4.7 | 3.0 | 2.0 | 1.5 | .1 | 3.0 | 4.2 | 4.5 | .8 | 6.4 | 4.7 | 4.3 | 3.3 | -1.3 | -1.5 | -.6 | .4 | .6 | 2.3 | 2.0 | 3.5 | 3.2 | 2.5 | 24 | 6.4 |
| 31 | 1.3 | 3.2 | .1 | -1.6 | 2.5 | 5.0 | 3.5 | -1.6 | -.6 | 14.2 | 7.7 | 3.0 | 3.5 | 1.8 | -1.8 | -3.0 | -3.3 | -2.3 | -.4 | -.9 | -3.3 | -5.0 | 1.0 | 1.7 | 24 | 14.2 |
| 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: | 17.3 | 11.3 | 14.2 | 13.5 | 15.4 | 9.3 | 12.7 | 11.3 | 12.3 | 14.2 | 11.6 | 11.8 | 11.1 | 10.4 | 8.9 | 12.3 | 8.6 | 9.6 | 10.4 | 10.6 | 15.4 | 19.9 | 18.1 | 15.9 | | |
| AVG: | 5.87 | 4.45 | 3.64 | 3.95 | 4.00 | 4.08 | 4.44 | 4.45 | 4.65 | 4.79 | 3.93 | 4.56 | 3.66 | 2.89 | 2.47 | 2.47 | 2.45 | 3.23 | 3.29 | 3.44 | 3.96 | 5.44 | 5.79 | 4.64 | | |

MONTHLY OBSERVATIONS: 740 MONTHLY MEAN: 4.02 MONTHLY MAX: 19.9

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-173-0002 POC: 3
COUNTY: (173) Swain
CITY: (08480) Bryson City (RR name Bryson)
SITE ADDRESS: 30 Recreation Park Drive
SITE COMMENTS: Address before Mar 2010 was 470 CENTER STREET, +35.435509, -83.443697 (173 M move)
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.434767
LONGITUDE: -83.442133
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 560
PROBE HEIGHT: 5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: SEPTEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .6 | .8 | .6 | -1.6 | -.6 | 1.5 | 1.0 | -.1 | -1.6 | BA | 1.0 | .4 | -.6 | .9 | 4.5 | 1.3 | -.6 | -2.3 | -4.0 | -2.3 | -5.1MD | -4.6 | -1.1 | -1.3 | 23 | 4.5 |
| 2 | -.6 | 2.5 | -2.9 | -2.8 | 1.0 | 2.2 | 2.7 | 2.2 | 2.0 | 1.8 | 1.5 | .3 | 5.5 | 7.2 | 5.9 | 4.2 | 4.0 | 2.8 | 4.5 | 3.0 | 5.5 | 5.0 | 8.9 | 7.6 | 24 | 8.9 |
| 3 | 11.6 | 11.8 | 9.1 | 8.4 | 7.7 | 4.0 | .5 | 2.0 | 4.7 | 2.5 | 2.8 | .6 | -1.8 | .8 | .9 | -1.6 | -1.5 | -1.3 | .1 | 1.3 | 4.0 | 8.9 | 5.7 | 5.0 | 24 | 11.8 |
| 4 | 6.2 | 4.7 | 2.7 | 1.3 | .5 | 1.5 | 2.0 | 1.5 | 3.5 | .6 | .6 | .6 | 1.3 | -1.8 | -3.3 | 1.0 | -1.1 | 1.2 | 4.5 | 4.2 | 2.7 | 6.7 | 13.7 | 8.6 | 24 | 13.7 |
| 5 | 6.7 | 4.7 | 5.2 | 5.9 | 5.9 | 3.5 | 2.0 | 3.0 | 3.5 | 3.7 | 1.5 | 3.2 | 1.5 | -.6 | -2.6 | -1.1 | .6 | -.8 | -.9 | .6 | 2.0 | 5.9 | 5.7 | 2.7 | 24 | 6.7 |
| 6 | .1 | 1.0 | 2.2 | .8 | .1 | .5 | 3.5 | 2.7 | 2.3 | 1.3 | -1.1 | 1.3 | -.8 | -.6 | .4 | -1.3 | -2.3 | -.6 | 2.7 | .1 | 3.2 | 5.7 | 5.0 | 5.7 | 24 | 5.7 |
| 7 | 4.2 | 3.0 | 3.0 | 4.5 | 3.7 6 | 3.2 6 | 6.9 6 | 6.1 6 | AX | BA | 128.4 | 51.9 | -1.3 | 1.5 | -1.5 | -.3 | .4 | -.1 | 2.3 | 3.7 | 7.4 | 11.6 | 10.1 | 8.6 | 22 | 128.4 |
| 8 | 5.9 | 5.4 | 7.9 | 7.6 | 7.2 | 6.2 | 3.5 | 4.2 | 9.3 | 6.7 | 2.5 | 3.7 | 2.5 | 2.8 | .1 | -1.1 | .6 | 5.0 | 4.5 | 8.1 | 4.7 | 9.6 | 5.4 | 4.7 | 24 | 9.6 |
| 9 | 8.9 | 5.4 | 4.5 | 3.7 | 6.4 | 4.7 | 2.5 | 2.2 | 4.0 | 5.2 | 4.2 | 3.0 | .5 | -.8 | 2.8 | 2.5 | 5.0 | 2.8 | 7.7 | 6.7 | 5.7 | 12.2 | 14.4 | 12.2 | 24 | 14.4 |
| 10 | 13.0 | 19.6 | 10.8 | 7.2 | 10.6 | 8.6 | 6.2 | 5.9 | 5.7 | 10.3 | 8.9 | 7.2 | 4.9 | 1.8 | 1.5 | 5.7 | 4.0 | 3.5 | 5.0 | 11.1 | 6.7 | 11.1 | 8.9 | 4.5 | 24 | 19.6 |
| 11 | 1.5 | -3.6 | -5.1MD | -1.6 | .1 | -5.1MD | -5.1MD | -5.0 | -5.0 | -5.1MD | -5.1MD | -5.1MD | -5.1MD | -5.1MD | -5.1MD | -4.3 | -5.0 | -5.1MD | -3.3 | -1.8 | -.2 | 1.3 | 1.5 | 1.0 | 24 | 1.5 |
| 12 | -2.8 | -3.8 | -3.8 | -3.8 | -1.6 | 1.3 | 2.7 | -1.1 | -5.1MD | .4 | -.1 | -2.3 | -.9 | -1.3 | -2.1 | -1.3 | -4.5 | -3.8 | 2.0 | 7.2 | 4.5 | 2.5 | 4.5 | 4.0 | 24 | 7.2 |
| 13 | 1.3 | 1.0 | -2.3 | .6 | 4.0 | 1.2 | 1.5 | 1.0 | .1 | .8 | .6 | .8 | -3.3 | -5.0 | -.4 | -.1 | -1.3 | -1.6 | 1.0 | 2.0 | 2.2 | 2.0 | .1 | 2.7 | 24 | 4.0 |
| 14 | 1.5 | -1.1 | .1 | 1.5 | 2.7 | 2.3 | .7 | 4.2 | 2.2 | 3.0 | 4.2 | 3.7 | BA | BA | 14.0 | 7.7 | 5.5 | 9.9 | 8.9 | 10.8 | 7.9 | 7.7 | 8.4 | 11.3 | 22 | 14.0 |
| 15 | 9.4 | 11.5 | 9.9 | 9.1 | 12.5 | 8.9 | 5.7 | 5.2 | 5.4 | 9.4 | 8.9 | 6.9 | 4.0 | 3.3 | 3.8 | 3.5 | 1.8 | 3.8 | 5.2 | 3.2 | 6.0 | 7.9 | 9.6 | 12.5 | 24 | 12.5 |
| 16 | 9.9 | 9.6 | 8.6 | 7.2 | 12.5 | 7.4 | 12.2 | 9.9 | 7.4 | 8.4 | 12.2 | 10.8 | 9.4 | 7.5 | 9.1 | 9.1 | 8.6 | 10.6 | 6.5 | 9.6 | 11.3 | 10.6 | 11.8 | 10.6 | 24 | 12.5 |
| 17 | 10.8 | 14.2 | 13.2 | 10.8 | 10.8 | 13.0 | 10.8 | 13.2 | 10.1 | 10.6 | 9.4 | 9.9 | 9.6 | 6.0 | 4.3 | 5.0 | 4.7 | 6.2 | 5.7 | 8.9 | 13.7 | 14.7 | 16.1 | 9.1 | 24 | 16.1 |
| 18 | 10.6 | 10.6 | 9.6 | 6.9 | 7.9 | 8.9 | 11.8 | 9.6 | 8.9 | 6.2 | 6.0 | 7.2 | 6.7 | 6.2 | 9.6 | 7.4 | 6.5 | 6.7 | 9.4 | 8.7 | 5.2 | 7.2 | 5.5 | 3.3 | 24 | 11.8 |
| 19 | 4.3 | 4.3 | 4.5 | 4.0 | 2.0 | 1.8 | 5.2 | 7.4 | 7.0 | 5.2 | 3.5 | 2.0 | 1.8 | 2.5 | 4.5 | 4.0 | 3.0 | 1.8 | 6.0 | 4.7 | 5.0 | 10.6 | 8.7 | 9.1 | 24 | 10.6 |
| 20 | 8.6 | 6.9 | 4.9 | 5.7 | 7.2 | 5.7 6 | 6.2 6 | 6.2 6 | 5.9 | 7.2 | 6.7 | 6.7 | 4.8 | 3.7 | 6.5 | 4.0 | 3.3 | 5.5 | 11.6 | 13.7 | 12.3 | 14.7 | 19.3 6 | 11.8 6 | 24 | 19.3 |
| 21 | 18.6 6 | 13.7 | 8.6 6 | 8.4 | 5.7 | 7.9 6 | 9.1 6 | 7.2 6 | 9.2 6 | AX | BA | 6.7 | 6.4 | 5.0 | 3.5 | 3.5 | 3.2 | 4.7 | 5.2 | 9.6 | 8.1 | 7.4 | 6.9 | 6.2 | 22 | 18.6 |
| 22 | 8.6 | 9.4 | 10.8 | 6.2 | 6.7 | 9.1 6 | 9.1 6 | 5.7 6 | 9.1 | 7.2 | 6.9 | 6.9 | 6.2 | 3.0 | 2.5 | 4.0 | 2.5 | 2.3 | 5.2 | 22.3 | 13.0 | 7.7 | 5.9 | 4.7 | 24 | 22.3 |
| 23 | 4.9 | 5.9 | 4.7 | 6.9 6 | 4.2 6 | 3.5 6 | 4.2 6 | 5.7 6 | 4.7 | 3.2 | 4.7 | 3.5 | 2.7 | 1.8 | 1.5 | -.1 | 1.8 | 6.9 | 8.9 | 7.7 | 10.8 | 9.1 | 7.9 | 16.8 | 24 | 16.8 |
| 24 | 10.6 | 19.6 | 12.0 | 11.6 6 | 10.8 6 | 6.9 6 | 7.2 6 | 5.2 6 | 9.1 | 7.4 | 4.5 | 8.4 | 5.0 | .9 | 1.3 | 2.6 | 3.8 | 8.2 | 7.9 | 8.2 | 7.2 | 10.6 | 11.8 | 13.5 | 24 | 19.6 |
| 25 | 10.1 | 9.9 | 13.4 | 13.7 | 8.4 | 6.4 | 8.6 6 | 7.9 | 7.2 | 6.4 | 4.9 | 8.6 | 5.5 | 4.0 | 3.8 | 4.0 | 5.2 | 5.0 | 5.0 | 6.7 | 7.4 | 11.1 | 9.6 | 9.1 | 24 | 13.7 |
| 26 | 14.9 | 6.4 | 7.7 | 8.9 | 7.1 | 4.7 | 4.7 | 5.9 | 6.7 | 8.9 | 8.1 | 12.7 | 15.6 | 9.6 | 9.1 | 13.0 | 9.6 | 9.6 | 7.4 | 4.7 | 7.2 | 10.4 | 5.5 | 9.4 | 24 | 15.6 |
| 27 | 8.4 | 5.9 | 6.7 | 9.4 | 6.4 | 5.0 | 5.0 | 3.5 | 5.2 | 8.2 | 7.2 | 6.2 | 9.6 | 12.1 | 9.1 | 10.6 | 9.4 | 10.6 | 9.4 | 9.9 | 12.3 | 13.0 | 10.1 | 9.4 | 24 | 13.0 |
| 28 | 12.7 | 8.4 | 11.3 | 6.9 | 6.9 | 7.7 | 8.2 | 13.2 6 | 10.1 | 8.4 | 10.9 | 10.6 | 6.9 | 3.5 | 2.0 | .4 | -.1 | 6.0 | 5.5 | 5.0 6 | 8.9 6 | 8.6 6 | 8.2 6 | 5.7 6 | 24 | 13.2 |
| 29 | 4.0 6 | 3.5 6 | 2.7 6 | 6.2 6 | 4.0 6 | 2.2 6 | 4.5 6 | 4.0 6 | 5.0 6 | 5.2 6 | 4.5 | 3.5 | 5.9 | 6.4 | 6.9 | 9.9 | 6.9 | 5.9 | 5.9 6 | 8.6 6 | 7.2 6 | 6.7 6 | 6.2 6 | 10.3 6 | 24 | 10.3 |
| 30 | 7.9 6 | 9.1 6 | 6.2 6 | 7.9 6 | 9.1 6 | 8.6 6 | 5.9 6 | 5.4 6 | 6.7 6 | 5.5 | 4.0 | 3.7 | 8.4 | 5.2 | 2.0 | 3.5 | 5.2 | 4.7 | 12.0 6 | 18.6 6 | 12.5 6 | 9.8 6 | 11.3 6 | 12.7 6 | 24 | 18.6 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 27 | 29 | 30 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 18.6 | 19.6 | 13.4 | 13.7 | 12.5 | 13.0 | 12.2 | 13.2 | 10.1 | 10.6 | 128.4 | 51.9 | 15.6 | 12.1 | 14.0 | 13.0 | 9.6 | 10.6 | 12.0 | 22.3 | 13.7 | 14.7 | 19.3 | 16.8 | | |
| AVG: | 7.08 | 6.68 | 5.56 | 5.38 | 5.66 | 4.78 | 4.97 | 4.80 | 4.94 | 5.13 | 8.70 | 6.12 | 3.82 | 2.78 | 3.15 | 3.19 | 2.64 | 3.60 | 5.06 | 6.83 | 6.64 | 8.19 | 8.19 | 7.72 | | |

MONTHLY OBSERVATIONS: 713 MONTHLY MEAN: 5.49 MONTHLY MAX: 128.4

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-173-0002 POC: 3
COUNTY: (173) Swain
CITY: (08480) Bryson City (RR name Bryson)
SITE ADDRESS: 30 Recreation Park Drive
SITE COMMENTS: Address before Mar 2010 was 470 CENTER STREET, +35.435509, -83.443697 (173 M move)
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.434767
LONGITUDE: -83.442133
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 560
PROBE HEIGHT: 5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: OCTOBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.1 6 | 6.9 6 | 10.5 6 | 8.3 6 | 7.9 6 | 6.4 6 | 6.6 6 | 6.4 6 | 7.9 6 | 5.9 | 4.7 | 4.5 | 4.5 | 2.5 | 3.7 | 4.2 | 3.7 | 5.2 | 4.5 6 | 12.2 6 | 14.2 6 | 12.9 6 | 14.4 6 | 17.1 6 | 24 | 17.1 |
| 2 | 14.9 6 | 12.7 6 | 14.2 6 | 8.9 6 | 7.9 6 | 9.3 6 | 7.2 6 | 7.4 6 | 6.4 6 | 6.7 | 4.7 | 5.9 | 7.4 | 9.1 | 8.9 | 6.4 | 8.4 | 7.6 | 11.5 | 12.2 | 16.6 6 | 25.2 6 | 33.0 6 | 31.1 6 | 24 | 33.0 |
| 3 | 15.1 6 | 9.5 6 | 8.1 6 | 7.6 6 | 8.1 6 | 7.4 6 | 6.7 6 | 6.9 6 | 6.9 6 | 11.5 | 11.5 | 10.8 | 6.9 | 5.7 | 7.2 | 7.1 | 5.9 | 8.8 | 9.3 | 7.8 | 11.7 | 9.5 | 9.5 | 9.7 | 24 | 15.1 |
| 4 | 10.7 | 11.0 | 11.2 | 8.4 6 | 9.8 6 | 11.2 6 | 9.8 6 | 12.5 | 10.9 | AX | BA | 13.7 | 10.6 | 6.5 | 8.2 | 13.2 | 7.9 | 4.8 | 6.5 | 6.5 | -5.0 | 3.8 | 8.9 | 8.9 | 22 | 13.7 |
| 5 | 7.5 | 7.9 | 5.5 | 5.2 | 7.4 | 6.5 | 6.7 | 7.2 | 8.7 | 9.9 | 9.2 | 7.0 | 6.7 | 7.0 | 3.8 | 5.0 | 6.3 | 4.8 | 7.2 | 10.4 | 13.0 | 12.0 | 16.4 | 12.3 | 24 | 16.4 |
| 6 | 8.9 | 7.2 | 8.4 | 10.6 | 9.4 | 8.9 | 9.1 | 6.0 | 10.4 | 6.7 | 5.2 | 7.2 | 6.2 | 2.6 | 3.5 | 2.8 | 2.3 | 3.0 | 6.0 | 9.2 | 11.3 | 8.7 | 7.7 | 6.2 | 24 | 11.3 |
| 7 | 4.0 | 6.0 | 5.0 | 6.5 | 5.9 | 9.4 | 6.7 | 7.4 | 6.9 | 5.8 | 2.8 | -.6 | -.4 | .8 | 1.5 | 1.8 | 1.5 | 3.3 | 2.0 | 2.3 | 1.8 | 3.3 | 9.6 | 7.9 | 24 | 9.6 |
| 8 | 5.2 | 3.8 | 3.0 | 2.3 | 1.0 | 1.8 | 2.8 | 1.3 | 1.3 | 3.5 | 1.8 | .1 | 1.3 | .3 | -.1 | 3.3 | 4.0 | 7.5 | 4.8 | 5.0 | 6.7 | 5.7 | 4.5 | 3.8 | 24 | 7.5 |
| 9 | 1.5 | 1.0 | 5.4 | 3.7 | 3.5 | 4.0 | 6.7 | 6.2 | 6.0 | 7.7 | 4.8 | 1.1 | .4 | .4 | .9 | 2.6 | 5.5 | 3.0 | 4.3 | 11.8 | 14.5 | 9.4 | 7.7 | 10.6 | 24 | 14.5 |
| 10 | 6.0 | 6.2 | 11.1 | 7.7 | 4.0 | 7.2 | 7.4 | 7.9 | 7.9 | 5.5 | 4.3 | 5.0 | 3.8 | 1.1 | 1.1 | 1.3 | .3 | 1.5 | 3.5 | 38.3 | 13.5 | 15.4 | 8.6 | 9.1 | 24 | 38.3 |
| 11 | 10.4 | 5.0 | 8.4 | 5.2 | 3.0 | 4.7 | 5.7 | 5.5 | 6.5 | 6.7 | 4.5 | 3.8 | 3.3 | 2.8 | 3.5 | 4.5 | 1.3 | 2.0 | 3.8 | 5.0 | 6.7 | 8.2 | 10.6 | 9.1 | 24 | 10.6 |
| 12 | 6.0 | 6.0 | 4.5 | 7.4 | 4.7 | 15.9 | 14.7 | 11.6 | 7.2 | 8.9 | 7.0 | 7.5 | 6.8 | 5.0 | 2.1 | .4 | .6 | 3.3 | 5.2 | 3.5 | 7.9 | 10.1 | 6.9 | 6.9 | 24 | 15.9 |
| 13 | 12.3 | 11.3 | 7.9 | 8.6 | 13.5 | 8.9 | 6.0 | 7.9 | 8.7 | 6.0 | 8.4 | 7.0 | 6.0 | 5.3 | 6.0 | 10.4 | 6.7 | 7.9 | 8.4 | 17.2 | 8.9 | 13.2 | 13.5 | 11.1 | 24 | 17.2 |
| 14 | 14.0 | 13.0 | 10.9 | 15.2 | 13.7 | 10.4 | 14.5 | 11.9 | 14.5 | 15.0 | 5.0 | 5.3 | 6.7 | 6.8 | 7.0 | 7.2 | 7.7 | 8.4 | 11.1 | 11.6 | 16.4 | 20.9 | 21.6 | 26.3 | 24 | 26.3 |
| 15 | 13.3 | 17.7 | 23.3 | 15.7 | 12.3 | 12.8 | 12.3 | 12.1 | 12.0 | 7.7 | 14.7 | 8.9 | 9.9 | 6.7 | 7.7 | 7.7 | 6.3 | 5.5 | 5.3 | 12.8 | 13.8 | 18.4 | 23.1 | 30.5 | 24 | 30.5 |
| 16 | 34.8 | 32.0 | 24.3 | 16.5 | 15.2 | 15.0 | 15.7 | 10.2 | 9.9 | 9.7 | 7.5 | 4.3 | 2.3 | 8.7 | 6.7 | 6.3 | 6.7 | 10.4 | 8.2 | 8.2 | 9.2 | 10.6 | 11.8 | 10.2 | 24 | 34.8 |
| 17 | 10.8 | 12.1 | 10.6 | 8.4 | 8.2 | 6.7 | 12.6 | 8.2 | 7.7 | 8.2 | 13.3 | 9.2 | 6.8 | 10.8 | 7.0 | 6.8 | 5.0 | 4.5 | 5.5 | 10.6 | 8.2 | 8.9 | 7.8 | 8.2 | 24 | 13.3 |
| 18 | 7.0 | 10.2 | 9.4 | 5.5 | 6.3 | 6.0 | 5.8 | 7.2 | 9.7 | 12.1 | 8.7 | 9.0 | 8.7 | 8.5 | 8.2 | 6.8 | 6.5 | 8.2 | 8.0 | 13.3 | 10.7 | 10.6 | 6.8 | 6.8 | 24 | 13.3 |
| 19 | 15.5 | 8.0 | 9.0 | 10.5 | 13.5 | 8.0 | 7.0 | 8.0 | 7.2 | AX | BA | -5.0 | 7.3 | 7.7 | 5.8 | 3.0 | 4.1 | 4.5 | 5.3 | 12.0 | 12.8 | 12.3 | 10.6 | 10.8 | 22 | 15.5 |
| 20 | 7.0 | 7.7 | 9.4 | 8.0 | 6.3 | 6.5 | 5.5 | 3.5 | 3.3 | 15.5 | 8.2 | 6.3 | 10.6 | 10.4 | 7.0 | 7.5 | 7.7 | 6.5 | 8.7 | 10.4 | 10.8 | 8.0 | 11.3 | 9.4 | 24 | 15.5 |
| 21 | 8.9 | 10.6 | 7.7 | 4.8 | 5.0 | 4.0 | 2.0 | 3.0 | 3.8 | 2.3 | 3.5 | 2.8 | 1.3 | 2.8 | 5.0 | 3.5 | .3 | 3.5 | 4.3 | 6.5 | 6.2 | 8.7 | 9.9 | 9.1 | 24 | 10.6 |
| 22 | 5.5 | 3.5 | 3.7 | 4.8 | 6.7 | 7.2 | 6.2 | 5.5 | 13.7 | 8.0 | 2.5 | 3.6 | 2.3 | 1.3 | 5.3 | 3.3 | 1.3 | 2.0 | 3.5 | 8.9 | 13.5 | 15.7 | 16.9 | 11.1 | 24 | 16.9 |
| 23 | 7.7 | 7.4 | 13.8 | 9.7 | 8.4 | 7.5 | 9.4 | 6.7 | 8.4 | 7.0 | 5.5 | 4.1 | 4.0 | 2.6 | .1 | -.6 | .3 | 1.5 | 4.3 | 8.0 | 10.8 | 11.8 | 8.9 | 7.7 | 24 | 13.8 |
| 24 | 8.2 | 10.9 | 12.8 | 8.2 | 5.5 | 7.7 | 6.5 | 7.2 | 7.0 | 10.4 | 14.2 | 8.9 | 6.7 | 8.9 | 7.0 | 5.0 | 4.5 | 7.5 | 7.7 | 15.7 | 15.7 | 16.6 | 18.9 | 17.1 | 24 | 18.9 |
| 25 | 18.9IT | 22.4IT | 14.2IT | 17.2IT | 14.5IT | 12.5IT | 10.6IT | 11.3IT | 12.8IT | 21.9IT | 36.6IT | 66.1IT | 113.7IT | 97.9IT | 27.0IT | 17.7IT | 17.7IT | 19.4IT | 16.2IT | 23.3IT | 21.1IT | 25.2IT | 28.0IT | 18.6IT | 24 | 113.7 |
| 26 | 17.9 | 12.3 | 16.4 | 18.9 | 11.1 | 16.7 | 14.7 | 17.2 | 23.6 | 26.8 | 20.4 | 16.5 | 9.7 | 7.5 | 8.0 | 7.5 | 6.3 | 10.6 | 12.1 | 19.1 | 12.8 | 17.2 | 18.6 | 16.4 | 24 | 26.8 |
| 27 | 20.6 | 15.9 | 16.4 | 13.7 | 14.7 | 11.6 | 11.1 | 14.5 | 15.5 | 12.0 | 15.5 | 19.7 | 18.2 | 13.3 | 9.2 | 13.5 | 11.8 | 8.9 | 12.5 | 13.3 | 31.0 | 14.5 | 17.2 | 16.4 | 24 | 31.0 |
| 28 | 18.6 | 16.4 | 14.0 | 15.9 | 10.1 | 9.9 | 12.3 | 9.4 | 9.7 | 10.4 | 9.9 | 9.9 | 9.9 | 9.2 | 6.0 | 2.6 | .4 | 1.3 | 9.9 | 7.2 | 16.2 | 10.8 | 16.9 | 12.3 | 24 | 18.6 |
| 29 | 18.1 | 14.9 | 11.8 | 13.7 | 11.3 | 10.4 | 10.6 | 9.4 | 9.7 | 9.9 | 9.9 | 9.7 | 11.6 | 8.9 | 9.2 | 6.3 | 7.0 | 7.0 | 15.2 | 31.0 | 28.8 | 35.1 | 37.1 | 35.1 | 24 | 37.1 |
| 30 | 35.6 | 29.2 | 33.4 | 22.8 | 13.2 | 22.4 | 15.2 | 14.7 | 15.2 | 12.1 | 14.0 | 14.8 | 11.1 | 8.7 | 4.8 | 6.8 | 8.0 | 9.7 | 11.1 | 15.2 | 16.7 | 10.1 | 11.1 | 13.8 | 24 | 35.6 |
| 31 | 10.6 | 10.8 | 9.9 | 8.2 | 8.9 | 8.0 | 9.7 | 8.2 | 14.3 | 10.7 | 13.3 | 17.2 | 10.0 | 11.1 | 8.7 | 8.2 | 8.0 | 6.3 | 36.3 | 22.8 | 10.8 | 11.8 | 15.7 | 16.7 | 24 | 36.3 |
| 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: | 35.6 | 32.0 | 33.4 | 22.8 | 15.2 | 22.4 | 15.7 | 17.2 | 23.6 | 26.8 | 36.6 | 66.1 | 113.7 | 97.9 | 27.0 | 17.7 | 17.7 | 19.4 | 36.3 | 38.3 | 31.0 | 35.1 | 37.1 | 35.1 | | |
| AVG: | 12.37 | 11.27 | 11.43 | 9.94 | 8.74 | 9.19 | 8.96 | 8.46 | 9.47 | 9.81 | 9.37 | 9.17 | 10.14 | 9.06 | 6.13 | 5.87 | 5.29 | 6.08 | 8.46 | 12.62 | 12.49 | 13.05 | 14.31 | 13.56 | | |

MONTHLY OBSERVATIONS: 740 MONTHLY MEAN: 9.80 MONTHLY MAX: 113.7

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-173-0002 POC: 3
COUNTY: (173) Swain
CITY: (08480) Bryson City (RR name Bryson)
SITE ADDRESS: 30 Recreation Park Drive
SITE COMMENTS: Address before Mar 2010 was 470 CENTER STREET, +35.435509, -83.443697 (173 M move)
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.434767
LONGITUDE: -83.442133
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 560
PROBE HEIGHT: 5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: NOVEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13.5IT | 12.5IT | 10.3IT | 10.2IT | 8.2IT | 7.5IT | 11.5IT | 12.3IT | 10.4IT | 12.1IT | 12.1IT | 13.3IT | 14.1IT | 15.5IT | 15.5IT | 14.5IT | 15.2IT | 16.0IT | 13.1IT | 17.5IT | 11.6IT | 13.0IT | 14.7IT | 16.7IT | 24 | 17.5 |
| 2 | 13.5IT | 14.7IT | 11.1IT | 13.2IT | 12.3IT | 13.5IT | 15.2IT | 13.5IT | 23.3IT | 36.0IT | AX | BA | 16.9IT | 19.2IT | 19.5IT | 19.5IT | 14.0IT | 18.2IT | 21.4IT | 21.8IT | 25.3IT | 28.7IT | 24.8IT | 19.9IT | 22 | 36.0 |
| 3 | 19.4IT | 18.4IT | 19.9IT | 19.4IT | 20.1IT | 17.4IT | 19.9IT | 17.6IT | 16.2IT | 19.2IT | 12.8IT | 14.7IT | 15.3IT | 10.7IT | 8.2IT | 9.9IT | 8.9IT | 10.2IT | 14.3IT | 13.3IT | 16.2IT | 13.6IT | 9.4IT | 10.7IT | 24 | 20.1 |
| 4 | 10.2 | 7.7 | 9.9 | 12.1 | 10.4 | 9.7 | 11.2 | 7.5 | 7.7 | 6.0 | 4.0 | 1.6 | .4 | 1.4 | 2.4 | 2.9 | 8.0 | 6.5 | 3.4 | 15.0 | 13.6 | 18.1 | 7.0 | 15.0 | 24 | 18.1 |
| 5 | 16.7IT | 26.1IT | 14.5IT | 20.4IT | 11.4IT | 11.4IT | 8.2IT | 5.3IT | 5.3IT | 11.6IT | 13.3IT | 14.3IT | 19.9IT | 24.9IT | 15.5IT | 12.1IT | 9.2IT | 11.9IT | 14.8IT | 15.5IT | 13.8IT | 15.2IT | 19.4IT | 21.9IT | 24 | 26.1 |
| 6 | 25.8IT | 27.2IT | 23.3IT | 22.6IT | 16.4IT | 16.9IT | 17.6IT | 12.1IT | 13.1IT | 14.3IT | 23.6IT | 20.7IT | 28.0IT | 34.7IT | 40.0IT | 53.9IT | 48.8IT | 47.4IT | 63.2IT | 63.0IT | 61.5IT | 64.4IT | 77.1IT | 77.6IT | 24 | 77.6 |
| 7 | 79.8IT | 79.8IT | 74.2IT | 70.5IT | 70.5IT | 69.1IT | 71.3IT | 72.3IT | 70.3IT | 69.1IT | 50.4IT | 57.4IT | 48.3IT | 17.7IT | 19.9IT | 8.2IT | 7.7IT | 10.9IT | 14.5IT | 12.1IT | 12.3IT | 18.6IT | 17.7IT | 10.9IT | 24 | 79.8 |
| 8 | 16.2IT | 13.8IT | 14.5IT | 10.9IT | 10.1IT | 13.1IT | 11.1IT | 9.4IT | 10.6IT | 13.3IT | 11.8IT | 9.9IT | 11.4IT | 13.8IT | 17.2IT | 28.2IT | 50.4IT | 108.5IT | 117.1IT | 114.8IT | 122.4IT | 119.4IT | 131.0IT | 142.7IT | 24 | 142.7 |
| 9 | 141.6IT | 150.3IT | 142.7IT | 133.2IT | 126.3IT | 124.3IT | 133.0IT | 128.5IT | 118.5IT | 71.5IT | 8.9IT | 7.5IT | 4.3IT | 4.0IT | 3.3IT | 2.9IT | 3.1IT | 5.7IT | 5.5IT | 5.0IT | 11.1IT | 8.7IT | 7.0IT | 8.7IT | 24 | 150.3 |
| 10 | 6.7IT | 8.0IT | 8.2IT | 7.0IT | 9.9IT | 6.3IT | 6.5IT | 5.3IT | 6.0IT | 6.5IT | 14.6IT | 40.0IT | 40.5IT | 49.0IT | 61.5IT | 356.5IT | 77.4IT | 70.0IT | 39.5IT | 28.7IT | 34.6IT | 30.4IT | 21.9IT | 22.8IT | 24 | 356.5 |
| 11 | 19.9IT | 21.9IT | 21.4IT | 22.6IT | 21.4IT | 16.4IT | 18.2IT | 17.7IT | 22.1IT | 27.0IT | 37.8IT | 43.2IT | 40.9IT | 36.9IT | 28.5IT | 15.7IT | 10.4IT | 7.5IT | 9.2IT | 12.6IT | 19.9IT | 21.6IT | 20.4IT | 22.1IT | 24 | 43.2 |
| 12 | 19.1IT | 23.8IT | 25.6IT | 21.9IT | 21.6IT | 25.6IT | 19.9IT | 17.9IT | 22.1IT | 18.1IT | 17.6IT | 19.1IT | 31.4IT | 35.6IT | 33.2IT | 40.0IT | 73.7IT | 83.4IT | 90.3IT | 87.8IT | 80.5IT | 95.2IT | 87.1IT | 79.8IT | 24 | 95.2 |
| 13 | 75.4IT | 67.8IT | 72.8IT | 68.6IT | 70.5IT | 68.1IT | 67.1IT | 63.2IT | 69.5IT | 66.6IT | 68.1IT | 67.1IT | 62.0IT | 55.9IT | 48.7IT | 49.9IT | 53.2IT | 60.3IT | 70.0IT | 71.0IT | 71.2IT | 63.9IT | 68.3IT | 67.3IT | 24 | 75.4 |
| 14 | 68.1IT | 67.8IT | 64.9IT | 66.1IT | 63.9IT | 64.2IT | 60.6IT | 63.0IT | 65.1IT | 70.8IT | 76.3IT | 78.9IT | AX | BA | 61.3IT | 44.1IT | 54.8IT | 65.6IT | 64.4IT | 55.5IT | 56.5IT | 53.6IT | 57.3IT | 51.9IT | 22 | 78.9 |
| 15 | 63.7IT | 53.4IT | 51.6IT | 52.4IT | 50.9IT | 49.4IT | 49.9IT | 45.4IT | 48.7IT | 54.6IT | 53.9IT | 51.9IT | 44.4IT | 32.4IT | 22.9IT | 17.4IT | 15.2IT | 12.0IT | 12.0IT | 13.5IT | 18.1IT | 15.9IT | 22.3IT | 18.3IT | 24 | 63.7 |
| 16 | 20.1IT | 21.3IT | 25.2IT | 23.3IT | 15.9IT | 14.0IT | 14.9IT | 15.9IT | 15.4IT | 20.4IT | 15.4IT | 18.1IT | 13.8IT | 11.5IT | 9.9IT | 7.4IT | 6.0IT | 8.0IT | 8.4IT | 15.2IT | 7.9IT | 14.9IT | 14.2IT | 11.5IT | 24 | 25.2 |
| 17 | 14.7IT | 13.7IT | 11.5IT | 11.8IT | 10.6IT | 12.3IT | 14.2IT | 10.2IT | 11.3IT | 15.4IT | 13.5IT | 8.2IT | 9.2IT | 6.7IT | 4.8IT | 4.8IT | 4.8IT | 4.0IT | 20.2IT | 28.5IT | 24.2IT | 21.6IT | 21.1IT | 12.8IT | 24 | 28.5 |
| 18 | 11.3IT | 10.1IT | 10.1IT | 10.4IT | 8.0IT | 6.5IT | 9.2IT | 7.9IT | 9.9IT | 16.9IT | 17.9IT | 20.1IT | 14.0IT | 14.0IT | 11.3IT | 9.7IT | 10.1IT | 8.9IT | 15.2IT | 19.1IT | 23.0IT | 23.2IT | 21.1IT | 22.1IT | 24 | 23.2 |
| 19 | 17.9 | 17.7 | 17.4 | 16.9 | 11.8 | 12.1 | 16.9 | 16.2 | 23.5 | 6.7 | 4.8 | 2.8 | 2.8 | 7.2 | 5.5 | 3.0 | 3.6 | 4.0 | 3.3 | 1.8 | 3.8 | 5.3 | 4.3 | 2.8 | 24 | 23.5 |
| 20 | 2.1 | 2.8 | 4.5 | 6.5 | 5.2 | 3.8 | 1.3 | .6 | 4.5 | 3.5 | 1.8 | 3.3 | 2.0 | -.2 | 2.5 | 2.3 | 4.8 | 8.0 | 8.4 | 5.8 | 1.8 | 5.8 | 6.2 | 5.3 | 24 | 8.4 |
| 21 | 10.8 | 7.5 | 8.4 | 6.7 | 10.6 | 9.4 | 11.1 | 7.7 | 7.0 | 8.9 | 8.4 | 7.7 | 4.3 | -.2 | -.4 | .4 | 2.8 | 2.0 | 3.5 | 13.0 | 13.5 | 12.5 | 24.3 | 22.8 | 24 | 24.3 |
| 22 | 21.4IT | 12.8IT | 17.9IT | 19.6IT | 13.5IT | 15.7IT | 18.6IT | 13.2IT | 17.9IT | 13.5IT | 11.5IT | 8.4IT | 7.0IT | 7.0IT | 5.8IT | 41.0IT | 76.4IT | 84.1IT | 99.3IT | 93.9IT | 83.9IT | 85.6IT | 81.2IT | 73.9IT | 24 | 99.3 |
| 23 | 77.1IT | 74.7IT | 76.7IT | 73.2IT | 70.5IT | 75.0IT | 66.1IT | 74.5IT | 75.7IT | 77.6IT | 95.2IT | 102.3IT | 90.6IT | 63.2IT | 102.7IT | 134.0IT | 145.4IT | 144.2IT | 138.9IT | 139.6IT | 135.2IT | 123.6IT | 118.9IT | 110.9IT | 24 | 145.4 |
| 24 | 97.9IT | 79.3IT | 81.4IT | 64.9IT | 53.2IT | 41.4IT | 30.7IT | 22.5IT | 23.3IT | 18.4IT | 25.8IT | 35.3IT | 40.7IT | 36.5IT | 28.7IT | 18.1IT | 10.6IT | 12.5IT | 10.8IT | 10.6IT | 9.2IT | 10.9IT | 13.5IT | 12.5IT | 24 | 97.9 |
| 25 | 9.6 | 12.0 | 8.9 | 9.4 | 11.8 | 7.9 | 7.7 | 9.4 | 9.6 | 8.4 | 7.7 | 9.2 | 6.8 | 7.0 | 6.7 | 6.3 | 3.6 | 6.3 | 9.4 | 7.9 | 7.7 | 8.2 | 5.5 | 5.3 | 24 | 12.0 |
| 26 | 4.3 | 3.1 | 4.8 | 5.3 | 6.5 | 9.4 | 10.6 | 5.8 | 8.2 | 7.5 | 10.4 | 7.7 | 8.7 | 5.3 | 2.6 | 5.0 | 5.0 | 6.5 | 7.2 | 7.0 | 8.0 | 7.3 | 9.0 | 9.4 | 24 | 10.6 |
| 27 | 10.2IT | 9.2IT | 9.2IT | 10.2IT | 8.2IT | 9.7IT | 6.3IT | 5.8IT | 7.5IT | 8.5IT | 7.2IT | 7.0IT | 8.0IT | 20.9IT | 49.5IT | 37.1IT | 46.8IT | 62.0IT | 51.4IT | 50.2IT | 47.8IT | 52.0IT | 55.1IT | 52.2IT | 24 | 62.0 |
| 28 | 54.4IT | 55.4IT | 56.8IT | 59.3IT | 57.3IT | 57.6IT | 56.6IT | 60.3IT | 57.6IT | 60.3IT | 56.8IT | 51.4IT | 43.2IT | 32.5IT | 20.2IT | 9.7IT | 8.2IT | 8.7IT | 8.9IT | 7.2IT | 8.7IT | 6.8IT | 6.0IT | 3.5IT | 24 | 60.3 |
| 29 | 4.3 | 3.1 | 3.3 | 4.0 | 4.8 | 4.8 | 3.3 | 1.6 | 1.3 | 3.8 | 4.1 | 4.1 | 5.3 | 3.8 | 3.3 | 5.0 | 6.5 | 5.8 | 5.8 | 6.8 | 8.2 | 7.5 | 11.8 | 10.0 | 24 | 11.8 |
| 30 | 10.0 | 8.3 | 4.3 | 4.1 | 2.8 | 5.3 | 8.5 | 8.2 | 10.0 | 6.8 | 4.3 | 5.1 | 4.8 | 8.5 | 9.7 | 7.3 | 4.1 | 5.8 | 5.8 | 5.8 | 5.5 | 3.3 | 5.3 | 8.0 | 24 | 10.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 141.6 | 150.3 | 142.7 | 133.2 | 126.3 | 124.3 | 133.0 | 128.5 | 118.5 | 77.6 | 95.2 | 102.3 | 90.6 | 63.2 | 102.7 | 356.5 | 145.4 | 144.2 | 138.9 | 139.6 | 135.2 | 123.6 | 131.0 | 142.7 | | |
| AVG: | 31.86 | 30.81 | 30.18 | 29.22 | 27.15 | 26.59 | 26.57 | 25.03 | 26.39 | 25.78 | 23.79 | 25.18 | 22.03 | 19.84 | 22.01 | 32.23 | 26.29 | 30.16 | 31.64 | 31.98 | 31.90 | 32.29 | 32.76 | 31.64 | | |

MONTHLY OBSERVATIONS: 716 MONTHLY MEAN: 28.09 MONTHLY MAX: 356.5

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-173-0002 POC: 3
COUNTY: (173) Swain
CITY: (08480) Bryson City (RR name Bryson)
SITE ADDRESS: 30 Recreation Park Drive
SITE COMMENTS: Address before Mar 2010 was 470 CENTER STREET, +35.435509, -83.443697 (173 M move)
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (171) WESTERN MOUNTAIN
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.434767
LONGITUDE: -83.442133
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 560
PROBE HEIGHT: 5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: DECEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.8 | 6.5 | 6.5 | 7.8 | 4.3 | 5.1 | 4.8 | 4.3 | 4.8 | 3.6 | AZ | BA | 10.9 | 6.0 | .9 | 2.1 | 3.8 | 4.5 | 5.0 | 8.5 | 5.0 | 4.6 | 11.3 | 8.0 | 22 | 11.3 |
| 2 | 5.8 | 9.2 | 6.0 | 6.3 | 6.0 | 4.6 | 4.3 | 7.5 | 13.3 | 11.3 | 7.3 | 6.8 | 3.8 | .6 | 3.3 | 2.8 | 4.0 | 4.0 | 4.0 | 7.7 | 4.3 | 2.6 | 6.3 | 6.8 | 24 | 13.3 |
| 3 | 6.7 | 11.8 | 12.6 | 8.2 | 10.7 | 9.4 | 10.4 | 8.2 | 5.3 | 8.2 | 5.3 | 3.3 | 3.8 | 4.8 | 2.8 | 5.3 | 6.0 | 3.1 | 4.8 | 8.9 | 12.5 | 9.7 | 12.8 | 15.0 | 24 | 15.0 |
| 4 | 9.2 | 9.4 | 5.5 | 10.4 | 8.0 | 6.7 | 6.0 | 6.5 | 8.7 | 8.2 | 8.9 | 5.8 | 2.8 | 4.0 | 3.3 | 3.5 | 3.0 | 3.6 | 3.3 | 1.8 | 2.6 | 2.8 | 3.0 | 3.8 | 24 | 10.4 |
| 5 | 5.3 | 3.3 | 4.3 | 2.8 | 7.5 | 5.8 | 6.5 | 4.3 | 2.3 | 4.6 | 3.6 | -.3 | -.3 | 2.4 | 3.1 | 2.3 | 2.6 | 3.6 | 5.8 | 9.9 | 9.0 | 10.7 | 10.4 | 7.3 | 24 | 10.7 |
| 6 | 8.2 | 5.3 | 5.5 | 3.8 | 3.6 | 4.3 | .9 | -.3 | 2.4 | .9 | 2.3 | 2.6 | .9 | -.3 | 1.1 | 1.4 | 2.4 | 6.8 | 6.6 | 4.6 | 1.9 | 1.9 | 1.6 | .4 | 24 | 8.2 |
| 7 | 1.6 | 4.3 | 4.6 | 3.3 | 2.1 | 2.8 | 3.3 | 5.3 | 3.1 | 4.1 | 4.1 | 1.6 | 1.6 | 1.9 | 2.8 | 4.8 | 3.1 | 5.0 | 4.6 | 8.7 | 7.0 | 8.3 | 5.8 | 6.8 | 24 | 8.7 |
| 8 | 11.2 | 6.8 | 5.1 | 10.7 | 8.3 | 8.3 | 8.5 | 9.2 | 11.6 | 10.9 | 7.0 | 4.6 | 5.5 | 2.8 | .6 | 4.3 | 4.6 | 2.3 | 3.6 | 4.3 | 4.3 | 5.3 | 8.2 | 10.9 | 24 | 11.6 |
| 9 | 13.3 | 13.8 | 9.4 | 12.6 | 11.4 | 8.5 | 5.5 | 8.7 | 10.2 | 9.2 | 8.5 | 6.5 | 6.0 | 5.0 | 4.8 | 2.8 | 2.3 | 4.3 | 7.0 | 10.7 | 9.4 | 13.8 | 9.7 | 9.0 | 24 | 13.8 |
| 10 | 9.9 | 18.7 | 12.8 | 17.4 | 25.8 | 26.6 | 18.4 | 24.6 | 18.9 | 16.9 | 8.9 | 8.2 | 5.5 | 3.8 | 2.6 | 2.1 | 3.8 | 6.7 | 7.2 | 10.2 | 20.4 | 23.1 | 24.1 | 18.1 | 24 | 26.6 |
| 11 | 19.9 | 19.4 | 21.9 | 20.2 | 21.6 | 28.7 | 24.1 | 20.4 | 18.4 | 17.4 | 13.7 | 9.9 | 6.8 | 4.0 | 6.0 | 5.5 | 9.2 | 9.9 | 19.6 | 13.0 | 16.0 | 18.4 | 15.7 | 16.0 | 24 | 28.7 |
| 12 | 17.7 | 11.8 | 14.7 | 7.2 | 12.0 | 12.5 | 10.2 | 15.2 | 18.1 | 9.9 | 15.0 | 12.6 | 8.5 | 5.0 | 3.5 | 3.8 | 5.0 | 4.3 | 5.8 | 11.5 | 9.9 | 13.0 | 8.5 | 9.9 | 24 | 18.1 |
| 13 | 10.7 | 7.2 | 10.4 | 10.2 | 11.5 | 8.7 | 8.4 | 10.9 | 8.0 | 9.6 | AX | BA | 6.6 | 8.1 | 5.4 | 4.7 | 6.7 | 7.4 | 13.0 | 14.4 | 14.2 | 14.2 | 12.5 | 14.0 | 22 | 14.4 |
| 14 | 12.3 | 18.1 | 18.4 | 9.4 | 7.5 | 4.5 | 4.0 | 4.0 | 2.8 | 2.8 | 4.5 | 6.7 | 4.3 | 3.5 | 4.8 | 3.0 | 1.1 | 1.3 | 8.0 | 9.2 | 8.0 | 8.0 | 12.3 | 17.9 | 24 | 18.4 |
| 15 | 8.9 | 10.9 | 13.0 | 10.2 | 7.5 | 9.2 | 8.2 | 7.0 | 8.2 | 6.3 | 6.8 | 6.3 | 5.3 | 4.3 | 2.5 | 6.5 | 6.3 | 7.5 | 7.3 | 6.3 | 7.0 | 5.5 | 9.2 | 7.0 | 24 | 13.0 |
| 16 | 11.1 | 16.2 | 11.8 | 15.5 | 12.8 | 13.8 | 12.3 | 13.5 | 14.7 | 10.4 | 11.8 | 10.6 | 7.0 | 7.2 | 8.2 | 8.2 | 11.1 | 10.6 | 13.5 | 24.3 | 23.0 | 29.2 | 17.7 | 19.9 | 24 | 29.2 |
| 17 | 24.5 | 18.2 | 17.4 | 18.2 | 19.4 | 21.4 | 16.7 | 15.0 | 15.7 | 15.7 | 16.2 | 26.3 | 26.3 | 21.6 | 25.3 | 28.5 | 25.0 | 23.3 | 25.5 | 24.8 | 28.5 | 33.4 | 32.2 | 19.9 | 24 | 33.4 |
| 18 | 14.0 | 12.5 | 22.8 | 12.3 | 7.0 | 3.1 | 3.3 | 3.6 | 4.1 | 4.8 | 4.5 | 4.3 | 7.7 | 5.5 | 4.3 | 3.3 | 3.5 | 4.3 | 4.3 | 2.6 | 2.8 | 4.5 | 5.8 | 4.3 | 24 | 22.8 |
| 19 | 7.2 | 9.0 | 6.8 | 5.8 | 8.0 | 6.5 | 5.8 | 7.7 | 9.0 | 8.2 | 5.3 | 1.8 | 4.3 | 5.5 | 5.6 | 3.1 | 1.8 | 1.6 | 3.8 | 8.7 | 5.8 | 4.8 | 4.8 | 10.4 | 24 | 10.4 |
| 20 | 8.2 | 8.0 | 7.0 | 9.0 | 6.5 | 8.2 | 6.3 | 2.8 | 2.8 | 4.6 | 4.5 | 4.3 | 2.8 | 4.1 | 2.8 | 4.3 | 3.3 | 2.8 | 5.0 | 5.3 | 6.0 | 9.2 | 14.3 | 11.8 | 24 | 14.3 |
| 21 | 14.5 | 16.7 | 11.2 | 9.7 | 8.0 | 10.2 | 9.9 | 8.2 | 8.0 | 8.5 | 11.3 | 11.6 | 9.5 | 7.5 | 4.6 | 4.1 | 7.5 | 7.0 | 19.4 | 20.2 | 16.2 | 22.6 | 23.0 | 19.4 | 24 | 23.0 |
| 22 | 21.6 | 20.2 | 16.7 | 17.0 | 16.0 | 17.9 | 14.3 | 8.5 | 5.0 | 5.8 | 8.7 | 8.0 | 4.3 | 9.5 | 6.3 | 5.8 | 9.2 | 8.7 | 8.5 | 9.2 | 22.4 | 18.4 | 23.1 | 25.5 | 24 | 25.5 |
| 23 | 19.7 | 20.9 | 17.7 | 16.0 | 16.2 | 16.5 | 12.1 | 13.3 | 16.2 | 16.4 | 12.3 | 9.9 | 6.3 | 2.1 | 1.8 | 4.3 | 2.8 | 2.1 | 4.3 | 16.4 | 11.1 | 11.3 | 11.6 | 14.5 | 24 | 20.9 |
| 24 | 16.0 | 19.7 | 22.4 | 15.5 | 12.5 | 16.5 | 13.8 | 13.8 | 12.5 | 14.3 | 13.0 | 14.5 | 16.7 | 14.2 | 12.3 | 15.7 | 13.3 | 13.5 | 12.3 | 17.2 | 21.2 | 22.2 | 22.4 | 12.3 | 24 | 22.4 |
| 25 | 19.2 | 19.7 | 20.9 | 21.9 | 14.0 | 20.7 | 16.2 | 15.5 | 15.0 | 13.8 | 14.3 | 10.9 | 8.0 | 5.8 | 4.6 | 7.3 | 8.0 | 9.0 | 10.9 | 12.6 | 11.3 | 8.5 | 13.1 | 10.5 | 24 | 21.9 |
| 26 | 10.7 | 12.5 | 11.4 | 12.8 | 12.3 | 15.0 | 13.6 | 12.6 | 13.8 | 13.6 | 15.8 | 11.2 | 9.7 | 9.0 | 8.3 | 7.0 | 9.7 | 11.4 | 14.3 | 15.8 | 18.5 | 17.7 | 15.8 | 17.7 | 24 | 18.5 |
| 27 | 11.5 | 16.8 | 17.7 | 12.1 | 15.8 | 12.6 | 12.4 | 11.7 | 9.5 | 7.0 | 10.0 | 15.0 | 2.9 | 2.9 | 2.1 | 1.4 | 8.8 | 6.1 | 7.3 | 6.1 | 3.8 | 16.5 | 14.8 | 5.1 | 24 | 17.7 |
| 28 | 4.1 | 5.3 | 5.8 | 3.9 | 3.1 | 3.4 | 4.9 | 4.6 | 4.6 | 3.1 | 3.1 | 6.1 | 6.1 | 8.5 | 5.6 | 2.6 | 3.9 | 6.5 | 11.2 | 10.7 | 22.2 | 14.6 | 21.0 | 19.2 | 24 | 22.2 |
| 29 | 14.3 | 12.9 | 9.5 | 10.2 | 5.3 | 4.1 | 7.8 | 8.3 | 6.8 | 8.0 | 7.0 | 5.3 | 4.1 | BK | BK | .6 | 1.1 | 1.1 | 2.1 | 2.9 | 5.3 | 3.8 | 3.1 | 1.9 | 22 | 14.3 |
| 30 | 2.3 | 4.8 | 5.3 | 3.8 | 2.1 | 5.1 | 3.8 | 1.9 | 1.4 | 2.8 | 3.1 | 5.0 | 3.8 | 2.4 | 1.1 | 1.3 | 3.3 | 5.0 | 3.6 | 3.1 | 9.2 | 6.5 | 12.6 | 8.3 | 24 | 12.6 |
| 31 | 9.5 | 13.3 | 11.2 | 10.5 | 7.0 | 12.3 | 15.0 | 14.8 | 19.0 | 17.9 | 9.7 | 8.5 | 10.2 | 7.0 | 5.3 | 3.8 | 3.1 | 10.7 | 8.0 | 9.0 | 6.3 | 12.8 | 10.7 | 7.5 | 24 | 19.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 29 | 31 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 24.5 | 20.9 | 22.8 | 21.9 | 25.8 | 28.7 | 24.1 | 24.6 | 19.0 | 17.9 | 16.2 | 26.3 | 26.3 | 21.6 | 25.3 | 28.5 | 25.0 | 23.3 | 25.5 | 24.8 | 28.5 | 33.4 | 32.2 | 25.5 | | |
| AVG: | 11.45 | 12.36 | 11.82 | 10.80 | 10.12 | 10.74 | 9.41 | 9.41 | 9.49 | 8.99 | 8.50 | 7.86 | 6.51 | 5.62 | 4.86 | 5.04 | 5.78 | 6.39 | 8.37 | 10.28 | 11.13 | 12.19 | 12.82 | 11.58 | | |

MONTHLY OBSERVATIONS: 738 MONTHLY MEAN: 9.25 MONTHLY MAX: 33.4

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-183-0014 POC: 1
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS: ID2=509

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT: 2.4

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: 2016

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

| Day | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.3 | | 15.2 | | | | | 8.2 | | | | |
| 2 | | | | | | 7.2 | 9.2 | | | | 14.3 IT | 5.2 |
| 3 | | 4.6 | | 3.6 | 5.9 | | | | 4.5 | 9.1 | | |
| 4 | 4.2 | | 6.8 | | | | | 5.9 | | | | |
| 5 | | | | | | 6.2 | 10.4 | | | | 7.5 | 3.8 |
| 6 | | 6.3 | | 4.5 | 2.2 | | | | 9.0 | 4.9 | | |
| 7 | 6.5 | | 12.5 | | | | | 7.8 | | | | |
| 8 | | | | | | 5.3 | 6.7 X | | | | 7.7 | 6.5 |
| 9 | | 3.9 | | 2.9 | 14.5 | | | | 15.5 | 2.5 | | |
| 10 | 2.3 | | 10.0 | | | | | 8.0 | | | | |
| 11 | | | | | | 12.2 | 9.5 | | | | 7.4 | 14.2 |
| 12 | | 7.2 | | 5.9 | 13.8 | | | | 7.5 | 5.7 | | |
| 13 | 4.5 | | 8.7 | | | | | 7.2 | | | | |
| 14 | | | | | | 9.6 | 15.5 | | | | 7.3 | 9.4 |
| 15 | | 5.1 V | | 4.9 | 3.7 | | 10.9 | | 10.7 | 8.2 | | |
| 16 | 5.3 | | 11.8 | | | | | 4.8 | | | | |
| 17 | | | | | | 4.9 | 6.2 | | | | 15.4 IT | 12.8 |
| 18 | | 6.2 | | 9.2 | 5.1 | | | | 4.2 | 9.8 | | |
| 19 | 3.1 V | | 10.2 | | | | | AJ | | | | |
| 20 | | | | | | 8.3 | 8.7 | | | | 3.7 | 6.5 |
| 21 | | 16.3 | | 10.3 | 4.8 | | | | 2.0 | 5.2 | | |
| 22 | 7.9 V | | 7.8 | | | | | 5.5 | | | | |
| 23 | | | | | | 12.9 | 11.4 | | | | 13.5 | 9.1 |
| 24 | | 4.1 | | 6.6 | 7.2 | | | | 10.5 | 7.7 | | |
| 25 | 11.8 | | 8.0 | | | | | 11.2 | | | | |
| 26 | | | | | | 8.2 | 10.9 | 11.2 | | | 9.5 | 8.5 |
| 27 | | 7.2 | | 11.7 | 9.7 | | | | 8.0 | 9.0 | | |
| 28 | 9.3 | | 2.7 | | | | | 10.0 | | | | |
| 29 | | | | | | 10.2 | 7.8 | | | | 6.2 | 5.9 |
| 30 | | | | 6.0 | 5.4 | | | | 5.9 | 14.2 | | |
| 31 | 8.5 | | 6.4 | | | | | 8.5 | | | | |
| NO.: | 11 | 9 | 11 | 10 | 10 | 10 | 11 | 11 | 10 | 10 | 10 | 10 |
| MAX: | 11.8 | 16.3 | 15.2 | 11.7 | 14.5 | 12.9 | 15.5 | 11.2 | 15.5 | 14.2 | 15.4 | 14.2 |
| MEAN: | 6.15 | 6.77 | 9.10 | 6.56 | 7.23 | 8.50 | 9.75 | 8.03 | 7.78 | 7.63 | 9.25 | 8.19 |

ANNUAL OBSERVATIONS: 123 ANNUAL MEAN: 7.93 ANNUAL MAX: 16.3

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-183-0014 POC: 3
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS: BAM SAMPLER TO BE OPERATED FOR 700 DAYS THEN REEVALUATED

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT: 2.62

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JANUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.0 | 8.7 | 5.8 | 5.5 | 5.0 | 8.3 | 10.3 | 7.2 | 5.7 | 5.6 | 6.0 | 7.4 | 13.0 | 9.9 | 8.7 | 7.7 | 8.4 | 7.7 | 10.3 | 10.5 | 10.8 | 15.4 | 14.7 | 10.8 | 24 | 15.4 |
| 2 | 9.1 | 7.2 | 7.0 | 6.7 | 12.0 | 9.1 | 9.3 | 9.8 | 10.8 | 11.7 | 9.5 | 9.3 | 7.2 | 10.6 | 8.9 | 5.5 | 6.0 | 9.0 | 15.2 | 18.3 | 21.0 | 19.5 | 23.2 | 17.1 | 24 | 23.2 |
| 3 | 19.3 | 18.3 | 20.7 | 19.5 | 15.7 | 16.4 | 13.7 | 13.7 | 18.3 | 8.8 | 6.9 | 11.2 | 8.6 | 5.2 | 7.0 | 5.2 | 7.2 | 13.7 | 16.4 | 21.7 | 13.9 | 15.9 | 15.4 | 14.5 | 24 | 21.7 |
| 4 | 9.3 | 8.6 | 13.4 | 11.3 | 10.5 | 11.7 | 11.0 | 10.3 | 14.2 | 13.4 | 9.5 | 10.5 | AX | AX | .8 | 1.3 | 2.8 | 6.7 | 8.1 | 9.0 | 8.8 | 9.8 | 8.8 | 6.4 | 22 | 14.2 |
| 5 | 5.7 | 5.9 | 6.2 | 8.1 | 7.1 | 7.6 | 7.1 | 6.2 | 6.2 | 8.8 | 5.5 | 5.7 | 5.7 | 5.3 | 8.3 | 8.6 | 8.6 | 8.8 | 6.9 | 7.9 | 10.2 | 12.7 | 12.0 | 9.8 | 24 | 12.7 |
| 6 | 13.9 | 10.5 | 8.1 | 9.3 | 12.5 | 8.6 | 10.5 | 9.3 | 13.9 | 10.2 | 6.1 | 3.0 | 5.5 | 9.0 | 7.8 | 12.2 | 11.0 | 9.3 | 11.2 | 10.0 | 6.7 | 14.2 | 10.5 | 9.8 | 24 | 14.2 |
| 7 | 11.2 | 15.2 | 7.9 | 9.5 | 16.9 | 11.0 | 8.8 | 10.3 | 15.1 | 11.5 | 12.5 | 16.1 | 13.4 | 11.4 | 10.7 | 11.7 | 13.4 | 9.5 | 13.4 | 12.2 | 10.3 | 8.3 | 9.3 | 11.5 | 24 | 16.9 |
| 8 | 7.8 | 13.7 | 13.7 | 11.5 | 14.7 | 15.6 | 11.5 | 12.9 | 11.0 | 9.3 | 14.2 | 9.3 | 7.6 | 8.1 | 6.6 | 8.8 | 10.5 | 6.1 | 3.7 | 4.7 | 7.4 | 7.9 | 7.4 | 6.9 | 24 | 15.6 |
| 9 | 5.0 | 3.0 | 7.8 | 7.1 | 5.6 | 6.9 | 7.1 | 10.5 | 7.4 | 6.2 | 6.1 | 5.0 | 6.1 | 7.1 | 8.3 | 5.7 | 5.3 | 5.0 | 10.5 | 8.3 | 7.8 | 6.1 | 5.9 | 6.0 | 24 | 10.5 |
| 10 | 5.1 | 2.3 | 5.7 | 6.2 | 4.0 | 5.6 | 5.7 | 7.2 | 4.1 | 6.0 | 5.0 | 5.7 | 5.9 | 3.5 | 4.3 | 4.3 | 7.7 | 6.0 | 6.2 | 5.9 | 5.4 | 7.2 | 6.9 | 5.0 | 24 | 7.7 |
| 11 | 4.5 | 7.1 | 9.8 | 8.6 | 6.7 | 6.2 | 6.7 | 6.7 | 7.6 | 8.3 | 5.8 | 3.5 | 4.0 | 4.2 | 5.5 | 5.6 | 5.4 | 5.7 | 8.6 | 15.7 | 25.9 | 13.7 | 22.2 | 18.7 | 24 | 25.9 |
| 12 | 19.0 | 15.4 | 17.3 | 12.9 | 10.3 | 7.6 | 12.2 | 8.8 | 16.4 | 12.2 | 11.2 | 8.1 | 7.6 | 6.4 | 6.0 | 5.1 | 5.7 | 8.3 | 12.7 | 10.5 | 6.9 | 11.2 | 9.3 | 7.4 | 24 | 19.0 |
| 13 | 4.8 | 5.7 | 8.6 | 10.3 | 9.3 | 12.2 | 8.6 | 8.1 | 5.4 | 5.7 | 4.0 | 2.8 | 4.2 | 3.5 | 4.2 | 4.7 | 4.2 | 9.8 | 12.7 | 28.2 | 17.3 | 19.5 | 18.5 | 17.4 | 24 | 28.2 |
| 14 | 20.0 | 16.6 | 12.7 | 15.9 | 14.2 | 13.2 | 14.2 | 19.5 | 14.7 | 15.7 | 8.3 | 8.1 | 11.3 | 7.6 | 7.9 | 7.0 | 7.4 | 16.7 | 15.6 | 19.7 | 19.2 | 15.2 | 20.5 | 21.0 | 24 | 21.0 |
| 15 | 26.9 | 16.1 | 19.2 | 19.7 | 17.4 | 16.6 | 21.7 | 16.1 | 17.4 | 18.3 | 22.9 | 13.2 | 13.7 | 14.2 | 17.6 | 6.2 | 14.7 | 9.0 | 11.9 | 10.8 | 14.7 | 9.5 | 8.3 | 11.3 | 24 | 26.9 |
| 16 | 9.3 | 8.6 | 10.5 | 11.2 | 10.3 | 11.5 | 10.7 | 13.2 | 12.7 | 12.2 | 11.5 | 8.4 | 4.5 | 8.6 | 5.5 | 10.3 | 10.3 | 12.5 | 15.7 | 18.7 | 8.3 | 7.6 | 6.7 | 5.9 | 24 | 18.7 |
| 17 | 6.4 | 9.6 | 6.2 | 6.9 | 6.9 | 6.7 | 6.9 | 7.6 | 6.2 | 8.6 | 7.6 | 9.6 | 4.8 | 6.9 | 4.3 | 7.4 | 7.4 | 9.1 | 12.5 | 18.8 | 23.9 | 17.1 | 13.7 | 14.0 | 24 | 23.9 |
| 18 | 12.0 | 8.1 | 11.5 | 10.8 | 8.3 | 8.8 | 9.3 | 10.3 | 8.6 | 8.6 | 6.9 | 5.5 | 3.5 | 5.8 | 5.5 | 10.0 | 7.4 | 7.1 | 7.6 | 5.5 | 7.6 | 6.2 | 6.2 | 5.3 | 24 | 12.0 |
| 19 | 4.8 | 6.4 | 11.2 | 8.1 | 5.6 | 5.9 | 10.0 | 11.9 | 10.2 | 5.0 | 2.8 | 7.9 | 7.2 | 8.8 | 8.8 | 7.4 | 7.4 | 5.3 | 10.0 | 8.3 | 7.6 | 13.5 | 13.9 | 10.0 | 24 | 13.9 |
| 20 | 9.5 | 8.8 | 11.0 | 10.5 | 6.4 | 8.3 | 16.6 | 14.9 | 12.0 | 11.0 | 13.5 | AX | AX | -.6 | 4.0 | 7.8 | 11.7 | 7.9 | 9.1 | 13.9 | 15.4 | 10.3 | 14.4 | 16.1 | 22 | 16.6 |
| 21 | 7.9 | 20.5 | 8.6 | 10.3 | 13.7 | 19.5 | 19.5 | 19.7 | 13.9 | 14.2 | 11.7 | 14.2 | 9.3 | 6.4 | 10.5 | 9.5 | 8.3 | 9.8 | 12.7 | 12.7 | 10.3 | 13.9 | 15.2 | 18.3 | 24 | 20.5 |
| 22 | 12.5 | 12.0 | 13.0 | 13.2 | 15.2 | 13.2 | 18.3 | 17.3 | 24.2 | 15.4 | 17.3 | 24.6 | 13.9 | 15.4 | 16.6 | 10.8 | 9.1 | 8.1 | 8.6 | 6.4 | 6.7 | 5.5 | 5.2 | 6.2 | 24 | 24.6 |
| 23 | 6.9 | 9.1 | 10.5 | 10.8 | 11.2 | 10.3 | 7.6 | 6.4 | 7.6 | 8.6 | 6.2 | 8.1 | 4.8 | 9.8 | 7.6 | 3.7 | 5.9 | 12.2 | 12.2 | 9.0 | 8.6 | 8.8 | 6.7 | 4.0 | 24 | 12.2 |
| 24 | 3.5 | 9.6 | 12.0 | 9.5 | 7.2 | 7.1 | 9.8 | 8.3 | 11.0 | 12.5 | 10.0 | 8.8 | 5.6 | 7.1 | 9.0 | 7.9 | 9.3 | 15.4 | 20.2 | 27.9 | 24.4 | 28.9 | 31.3 | 29.4 | 24 | 31.3 |
| 25 | 27.2 | 23.2 | 25.6 | 22.5 | 30.9 | 27.9 | 21.2 | 22.2 | 18.3 | 20.7 | 16.8 | 15.4 | 10.5 | 13.2 | 9.8 | 8.6 | 9.1 | 15.2 | 22.0 | 15.7 | 12.5 | 22.9 | 18.5 | 12.7 | 24 | 30.9 |
| 26 | 17.3 | 13.2 | 10.8 | 13.7 | 12.0 | 14.7 | 14.9 | 18.5 | 14.2 | 15.7 | 13.0 | 9.1 | 8.6 | 16.2 | 8.6 | 12.0 | 15.9 | 17.6 | 15.0 | 15.7 | 16.7 | 22.0 | 16.2 | 20.8 | 24 | 22.0 |
| 27 | 19.5 | 21.8 | 18.5 | 18.1 | 16.2 | 17.7 | 13.2 | 20.7 | 19.7 | 9.3 | 5.4 | 10.0 | 7.8 | 7.9 | 7.0 | 9.3 | 15.1 | 13.4 | 12.7 | 13.9 | 23.2 | 16.4 | 13.7 | 14.9 | 24 | 23.2 |
| 28 | 18.5 | 12.7 | 12.7 | 13.9 | 11.7 | 14.2 | 15.4 | 9.8 | 19.5 | 14.2 | 17.8 | 11.9 | 11.2 | 9.1 | 10.8 | 9.6 | 14.0 | 15.5 | 11.8 | 14.7 | 14.4 | 11.0 | 19.5 | 14.7 | 24 | 19.5 |
| 29 | 13.0 | 13.2 | 9.6 | 19.5 | 17.6 | 21.2 | 23.0 | 24.7 | 13.4 | 19.0 | 12.0 | 7.7 | 5.1 | 10.1 | 10.1 | 7.4 | 9.8 | 10.3 | 8.1 | 6.9 | 6.9 | 8.6 | 11.7 | 7.9 | 24 | 24.7 |
| 30 | 8.3 | 12.5 | 9.3 | 7.4 | 9.3 | 9.5 | 9.3 | 12.0 | 15.2 | 9.3 | 8.1 | 7.2 | 9.4 | 7.9 | 7.9 | 11.3 | 7.5 | 8.9 | 15.1 | 19.2 | 24.4 | 22.9 | 23.9 | 20.0 | 24 | 24.4 |
| 31 | 20.2 | 16.2 | 20.5 | 19.2 | 12.7 | 11.3 | 15.7 | 14.4 | 17.9 | 13.0 | 9.6 | 9.4 | 9.1 | 13.7 | 11.5 | 10.6 | 12.0 | 13.7 | 14.8 | 10.8 | 10.6 | 12.3 | 17.9 | 12.8 | 24 | 20.5 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 27.2 | 23.2 | 25.6 | 22.5 | 30.9 | 27.9 | 23.0 | 24.7 | 24.2 | 20.7 | 22.9 | 24.6 | 13.9 | 16.2 | 17.6 | 12.2 | 15.9 | 17.6 | 22.0 | 28.2 | 25.9 | 28.9 | 31.3 | 29.4 | | |
| AVG: | 11.82 | 11.61 | 11.79 | 11.86 | 11.52 | 11.75 | 12.25 | 12.53 | 12.67 | 11.26 | 9.80 | 9.22 | 7.90 | 8.41 | 8.07 | 7.85 | 8.98 | 10.11 | 11.98 | 13.27 | 13.15 | 13.35 | 13.79 | 12.47 | | |

MONTHLY OBSERVATIONS: 740 MONTHLY MEAN: 11.16 MONTHLY MAX: 31.3

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-183-0014 POC: 3
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS: BAM SAMPLER TO BE OPERATED FOR 700 DAYS THEN REEVALUATED

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT: 2.62

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: FEBRUARY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15.2 | 12.5 | 11.8 | 8.8 | 10.5 | 16.8 | 13.7 | 17.1 | 15.0 | 11.6 | -4.7 | 6.0 | 10.6 | 11.1 | 9.6 | 9.3 | 5.8 | 10.1 | 12.5 | 16.5 | 17.7 | 16.7 | 8.2 | 18.4 | 24 | 18.4 |
| 2 | 14.8 | 10.8 | 12.5 | 14.2 | 10.1 | 10.8 | 13.5 | 8.6 | 9.8 | 11.3 | 9.1 | 11.8 | 13.3 | 9.6 | 9.6 | 11.5 | 12.5 | 14.3 | 13.5 | 14.5 | 9.1 | 11.6 | 8.9 | 8.7 | 24 | 14.8 |
| 3 | 6.8 | 7.5 | 9.6 | 12.1 | 9.4 | 10.6 | 13.5 | 16.2 | 16.2 | AX | 5.8 | 6.0 | 6.8 | 8.7 | 7.7 | 7.9 | 7.7 | 5.1 | 1.9 | 6.8 | 4.8 | 3.9 | 4.1 | 2.8 | 23 | 16.2 |
| 4 | 4.6 | 5.8 | 3.8 | 3.1 | 3.3 | 3.1 | 7.2 | 7.0 | 7.3 | 11.1 | 8.2 | 7.0 | 12.3 | 9.4 | 9.4 | 9.9 | 9.6 | 10.8 | 8.1 | 5.7 | 6.9 | 7.9 | 6.7 | 6.9 | 24 | 12.3 |
| 5 | 12.0 | 12.5 | 9.6 | 9.8 | 8.6 | 8.9 | 11.5 | 14.5 | 11.0 | 9.8 | 7.2 | 6.5 | 7.0 | 5.3 | 6.5 | 6.5 | 7.7 | 4.8 | 6.7 | 7.4 | 13.7 | 18.3 | 16.9 | 11.8 | 24 | 18.3 |
| 6 | 13.2 | 14.7 | 14.0 | 10.5 | 17.4 | 10.8 | 13.2 | 12.0 | 14.0 | 13.2 | 10.8 | 8.9 | 7.0 | 7.0 | 5.1 | 7.4 | 8.9 | 7.7 | 12.2 | 12.0 | 17.6 | 10.3 | 11.0 | 16.6 | 24 | 17.6 |
| 7 | 14.2 | 11.0 | 12.0 | 10.8 | 9.3 | 10.0 | 8.4 | 9.1 | 8.3 | 7.2 | 8.8 | 11.0 | 8.8 | 6.9 | 7.9 | 5.9 | 4.8 | 4.3 | 9.3 | 7.2 | 11.5 | 8.8 | 6.9 | 8.6 | 24 | 14.2 |
| 8 | 8.6 | 11.7 | 7.9 | 10.0 | 8.6 | 12.0 | 12.5 | 20.5 | 11.8 | 15.2 | AZ | 7.6 | 8.4 | 13.5 | 8.2 | 6.5 | 7.4 | 10.5 | 16.9 | 9.6 | 13.2 | 11.2 | 14.5 | 17.9 | 23 | 20.5 |
| 9 | 17.6 | 17.4 | 11.0 | 13.0 | 10.0 | 14.0 | 11.0 | 12.7 | 10.3 | 9.1 | 7.4 | 5.2 | 5.5 | 5.2 | 6.7 | 7.4 | 5.4 | 6.2 | 8.1 | 6.7 | 7.2 | 10.3 | 8.8 | 7.2 | 24 | 17.6 |
| 10 | 7.2 | 8.3 | 6.4 | 7.2 | 10.3 | 9.8 | 7.9 | 9.5 | 10.5 | 10.3 | 12.0 | 8.8 | 10.8 | 6.9 | 12.4 | 8.3 | 11.5 | 11.3 | 11.5 | 12.5 | 12.7 | 9.5 | 8.6 | 8.6 | 24 | 12.7 |
| 11 | 8.8 | 6.2 | 9.1 | 10.3 | 11.0 | 12.2 | 13.2 | 13.9 | 9.1 | 6.4 | 10.8 | 13.2 | 9.5 | 8.6 | 10.8 | 9.8 | 8.5 | 12.7 | 10.0 | 13.7 | 14.2 | 16.2 | 12.7 | 9.1 | 24 | 16.2 |
| 12 | 12.5 | 11.0 | 9.8 | 8.6 | 8.1 | 12.0 | 12.0 | 12.2 | 11.3 | 9.3 | 9.3 | 6.9 | 8.6 | 7.4 | 9.1 | 7.9 | 10.5 | 10.0 | 11.5 | 15.4 | 17.4 | 21.7 | 23.2 | 23.4 | 24 | 23.4 |
| 13 | 18.5 | 16.6 | 19.5 | 13.0 | 10.5 | 11.8 | 8.8 | 10.3 | 14.0 | 16.6 | 6.9 | 7.4 | 8.6 | 12.7 | 12.2 | 9.5 | 5.9 | 10.3 | 7.9 | 9.1 | 9.3 | 9.3 | 7.2 | 8.6 | 24 | 19.5 |
| 14 | 7.4 | 8.8 | 8.3 | 6.9 | 6.6 | 8.3 | 4.7 | 3.2 | 6.1 | 4.5 | 2.8 | 7.9 | 6.7 | 6.7 | 8.6 | 7.9 | 9.3 | 13.2 | 8.6 | 9.1 | 12.0 | 7.2 | 11.7 | 11.3 | 24 | 13.2 |
| 15 | 8.1 | 9.8 | 9.3 | 7.4 | 5.5 | 9.1 | 12.7 | 10.0 | 11.0 | 12.5 | 9.3 | 7.6 | 6.9 | 9.3 | 12.0 | 7.6 | 11.3 | 12.5 | 10.8 | 10.5 | 10.5 | 11.5 | 18.5 | 14.5 | 24 | 18.5 |
| 16 | 15.7 | 8.4 | 5.2 | 3.1 | 2.8 | 2.1 | 4.3 | 4.5 | 6.7 | 6.2 | 6.2 | 7.2 | 4.6 | 7.5 | 6.0 | 4.8 | 4.6 | 9.9 | 11.0 | 11.5 | 9.8 | 6.4 | 6.4 | 11.5 | 24 | 15.7 |
| 17 | 6.9 | 4.8 | 6.2 | 14.0 | 11.0 | 8.8 | 7.6 | 12.5 | 12.5 | 11.0 | 8.9 | 7.9 | 7.7 | 8.4 | 7.9 | 7.2 | 7.4 | 9.1 | 8.8 | 7.9 | 11.0 | 10.8 | 8.9 | 8.4 | 24 | 14.0 |
| 18 | 10.0 | 10.5 | 10.6 | 8.8 | 11.8 | 11.8 | 11.5 | 8.6 | 11.8 | 13.0 | 13.0 | 11.6 | 11.8 | 10.1 | 10.6 | 9.9 | 7.7 | 11.7 | 12.8 | 10.8 | 15.0 | 13.5 | 12.2 | 15.4 | 24 | 15.4 |
| 19 | 11.3 | 12.0 | 13.0 | 10.3 | 13.5 | 12.7 | 10.5 | 15.2 | 11.5 | 12.0 | 9.5 | 10.8 | 11.3 | 9.4 | 8.6 | 12.3 | 9.4 | 9.5 | 14.0 | 15.4 | 17.4 | 9.3 | 9.6 | 9.3 | 24 | 17.4 |
| 20 | 9.8 | 12.3 | 9.8 | 8.8 | 10.1 | 11.8 | 8.4 | 8.6 | 10.0 | 16.7 | 13.5 | 13.8 | 13.8 | 18.3 | 18.1 | 16.7 | 20.8 | 20.8 | 25.2 | 20.3 | 22.0 | 19.1 | 18.8 | 20.0 | 24 | 25.2 |
| 21 | 22.0 | 18.7 | 16.9 | 17.6 | 20.5 | 25.9 | 20.2 | 23.2 | 26.4 | 22.5 | 18.3 | 16.0 | 18.1 | 15.2 | 17.2 | 18.8 | 20.5 | 19.8 | 17.2 | 23.3 | 27.2 | 23.8 | 17.7 | 15.0 | 24 | 27.2 |
| 22 | 16.2 | 16.9 | 17.7 | 17.7 | 16.7 | 18.4 | 12.0 | 10.6 | 13.3 | AX | AX | 11.8 | 17.4 | 16.9 | 18.2 | 25.7 | 16.9 | 17.2 | 12.8 | 14.7 | 9.0 | 10.0 | 7.9 | 8.1 | 22 | 25.7 |
| 23 | 9.3 | 8.1 | 9.1 | 10.3 | 9.1 | 11.5 | 10.0 | 11.5 | 10.5 | 6.9 | 6.2 | 6.5 | 7.0 | 7.5 | 8.4 | 8.2 | 8.4 | 9.4 | 6.5 | 7.9 | 9.1 | 7.2 | 5.5 | 5.7 | 24 | 11.5 |
| 24 | 5.7 | 6.2 | 5.9 | 5.5 | 4.5 | 4.3 | 5.7 | 4.6 | 3.1 | 4.3 | 6.2 | 5.8 | 4.4 | 6.2 | 4.6 | 7.3 | 11.3 | 14.0 | 11.8 | 13.3 | 9.9 | 8.9 | 8.9 | 8.4 | 24 | 14.0 |
| 25 | 5.1 | 4.3 | 5.7 | 5.7 | 7.9 | 8.6 | 7.9 | 9.8 | 9.6 | 7.0 | 3.9 | 5.3 | 7.2 | 8.2 | 5.5 | 7.0 | 7.0 | 6.0 | 8.4 | 10.8 | 9.1 | 7.9 | 8.8 | 7.4 | 24 | 10.8 |
| 26 | 8.3 | 9.6 | 6.9 | 10.1 | 10.3 | 8.4 | 10.3 | 8.8 | 9.3 | 8.9 | 9.9 | 8.7 | 6.7 | 6.3 | 7.3 | 7.9 | 8.7 | 7.9 | 13.5 | 11.3 | 6.4 | 6.2 | 7.0 | 7.2 | 24 | 13.5 |
| 27 | 7.4 | 7.7 | 4.0 | 3.8 | 6.7 | 9.3 | 14.5 | 11.8 | 8.6 | 6.9 | 8.7 | 10.6 | 13.8 | 9.9 | 6.2 | 10.8 | 12.1 | 12.3 | 11.5 | 15.0 | 18.7 | 36.0 | 31.1 | 29.2 | 24 | 36.0 |
| 28 | 32.3 | 31.1 | 26.4 | 22.0 | 19.3 | 22.2 | 22.0 | 22.7 | 26.7 | 16.0 | 9.1 | 9.4 | 8.6 | 10.6 | 9.1 | 7.0 | 8.6 | 17.9 | 16.4 | 20.8 | 14.8 | 14.3 | 21.8 | 17.4 | 24 | 32.3 |
| 29 | 17.2 | 16.0 | 15.7 | 21.5 | 18.1 | 19.5 | 19.0 | 20.3 | 17.7 | 13.3 | 14.5 | 11.3 | 9.4 | 10.6 | 15.0 | 10.8 | 9.1 | 12.3 | 18.4 | 19.1 | 22.5 | 23.7 | 24.3 | 23.3 | 24 | 24.3 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 27 | 27 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | | |
| MAX: | 32.3 | 31.1 | 26.4 | 22.0 | 20.5 | 25.9 | 22.0 | 23.2 | 26.7 | 22.5 | 18.3 | 16.0 | 18.1 | 18.3 | 18.2 | 25.7 | 20.8 | 20.8 | 25.2 | 23.3 | 27.2 | 36.0 | 31.1 | 29.2 | | |
| AVG: | 11.96 | 11.42 | 10.61 | 10.51 | 10.40 | 11.57 | 11.30 | 12.05 | 11.84 | 10.84 | 8.58 | 8.91 | 9.40 | 9.43 | 9.60 | 9.58 | 9.63 | 11.09 | 11.65 | 12.37 | 13.09 | 12.81 | 12.30 | 12.44 | | |

MONTHLY OBSERVATIONS: 692 MONTHLY MEAN: 10.98 MONTHLY MAX: 36.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-183-0014 POC: 3
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS: BAM SAMPLER TO BE OPERATED FOR 700 DAYS THEN REEVALUATED

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT: 2.62

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MARCH 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20.8 | 18.1 | 15.4 | 22.2 | 17.6 | 15.4 | 20.0 | 15.4 | 18.6 | 21.5 | 20.8 | 11.8 | 14.5 | 14.0 | 16.2 | 26.2 | 21.3 | 16.9 | 20.3 | 18.4 | 18.4 | 22.5 | 29.5 | 25.0 | 24 | 29.5 |
| 2 | 24.5 | 26.5 | 21.6 | 17.4 | 4.3 | 9.4 | 7.7 | 7.0 | 7.9 | 9.6 | 6.7 | 5.3 | 5.5 | 5.3 | 4.6 | AX | AX | AX | 5.4 | 6.2 | 6.7 | 4.3 | 8.4 | 8.4 | 21 | 26.5 |
| 3 | 10.5 | 9.5 | 8.1 | 8.6 | 8.8 | 10.8 | 9.6 | 11.3 | 8.6 | 6.7 | 8.6 | 7.8 | 8.1 | 6.9 | 8.8 | 7.6 | 7.4 | 11.0 | 9.8 | 10.8 | 9.1 | 9.1 | 7.9 | 7.9 | 24 | 11.3 |
| 4 | 9.6 | 9.8 | 9.1 | 9.1 | 6.4 | 8.6 | 10.8 | 12.8 | 13.5 | 13.0 | 14.0 | 14.0 | 13.7 | 11.5 | 9.8 | 11.5 | 12.0 | 9.8 | 12.9 | 14.9 | 20.0 | 12.0 | 17.4 | 17.6 | 24 | 20.0 |
| 5 | 21.2 | 18.0 | 21.2 | 20.5 | 14.4 | 23.7 | 24.9 | 19.0 | 19.3 | 21.7 | 15.7 | 15.7 | 14.9 | 19.0 | 18.3 | 12.0 | 16.2 | 15.5 | 16.9 | 20.9 | 21.2 | 21.2 | 22.4 | 21.9 | 24 | 24.9 |
| 6 | 24.7 | 23.7 | 28.6 | 19.7 | 22.0 | 26.9 | 23.0 | 24.4 | 21.0 | 18.3 | 12.8 | 11.3 | 12.3 | 9.4 | 10.1 | 8.6 | 5.3 | 11.8 | 16.7 | 17.8 | 13.4 | 15.9 | 18.8 | 15.2 | 24 | 28.6 |
| 7 | 21.3 | 15.7 | 16.9 | 19.5 | 16.7 | 19.0 | 20.2 | 16.6 | 16.8 | 11.1 | AX | AX | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 10 | 21.3 |
| 8 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 9 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 10 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | AX | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 11 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 12 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 13 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 14 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | AX | AX | DL | DL | DL | DL | DL | DL | DL | DL | DL | 0 | |
| 15 | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | DL | 10.6 | 14.0 | 11.3 | 10.1 | 7.9 | 5 | 14.0 |
| 16 | 10.1 | 8.2 | 7.7 | 11.1 | 12.3 | 10.9 | 13.8 | 14.5 | 13.8 | 14.1 | 18.9 | 12.6 | 14.3 | 12.1 | 17.2 | 11.1 | 13.6 | 15.5 | 15.3 | 14.5 | 16.0 | 13.1 | 14.0 | 10.1 | 24 | 18.9 |
| 17 | 8.7 | 11.8 | 13.1 | 10.4 | 8.9 | 9.6 | 6.0 | 4.3 | 4.8 | 5.7 | 5.8 | 5.1 | 3.4 | 6.3 | 5.8 | 3.8 | 2.4 | 4.1 | 6.8 | 11.8 | 9.1 | 13.8 | 9.9 | 8.7 | 24 | 13.8 |
| 18 | 7.7 | 6.6 | 5.1 | 4.3 | 4.4 | 3.8 | 6.5 | 5.8 | 4.8 | 7.5 | 5.8 | 3.6 | 6.0 | 6.2 | 6.1 | 4.3 | 4.3 | 4.4 | 5.8 | 8.4 | 12.5 | 15.3 | 14.8 | 15.2 | 24 | 15.3 |
| 19 | 11.5 | 16.0 | 15.7 | 16.5 | 15.5 | 20.6 | 14.0 | 14.5 | 16.2 | 15.7 | 17.4 | 11.8 | 9.9 | 7.9 | 5.8 | 6.5 | 10.3 | 11.1 | 8.4 | 8.6 | 7.4 | 6.4 | 6.3 | 7.9 | 24 | 20.6 |
| 20 | 6.4 | 3.8 | 7.2 | 6.7 | 3.0 | 2.1 | 3.3 | 6.0 | 5.1 | 5.3 | 9.1 | 8.4 | 6.0 | 7.4 | 12.0 | 7.4 | 8.1 | 6.7 | 7.7 | 7.6 | 10.3 | 9.1 | 9.3 | 9.3 | 24 | 12.0 |
| 21 | 15.7 | 11.0 | 12.8 | 13.7 | 11.8 | 10.3 | 8.4 | 9.5 | 10.5 | 9.1 | 8.2 | 6.5 | 6.0 | 5.7 | 7.0 | 6.0 | 5.7 | 8.9 | 7.9 | 7.2 | 6.9 | 7.4 | 6.9 | 10.5 | 24 | 15.7 |
| 22 | 9.3 | 8.6 | 10.8 | 6.7 | 10.1 | 10.1 | 7.9 | 6.2 | 9.4 | 6.5 | 5.1 | 3.3 | 5.1 | 4.1 | 2.4 | 3.3 | 10.3 | 8.4 | 13.0 | 11.3 | 13.5 | 13.2 | 11.0 | 9.8 | 24 | 13.5 |
| 23 | 12.5 | 16.1 | 17.1 | 19.0 | 21.2 | 23.9 | 21.2 | 17.2 | 20.5 | 18.2 | 16.0 | 12.5 | AX | 8.2 | 6.5 | 8.4 | 7.7 | 13.0 | 14.0 | 12.8 | 17.7 | 17.4 | 17.9 | 17.2 | 23 | 23.9 |
| 24 | 21.1 | 11.1 | 11.8 | 14.3 | 10.6 | 11.8 | 10.8 | 11.1 | 10.1 | 7.2 | 7.2 | 11.8 | 12.5 | 8.9 | 6.0 | 6.3 | 6.0 | 12.1 | 7.7 | 6.0 | 6.5 | 7.2 | 5.8 | 3.8 | 24 | 21.1 |
| 25 | 5.5 | 4.6 | 6.8 | 6.3 | 5.8 | 4.6 | 1.9 | 4.9 | 7.0 | 13.6 | 9.4 | 4.8 | 5.5 | 10.6 | 8.9 | 8.0 | 7.0 | 7.7 | 8.7 | 14.0 | 12.1 | 14.8 | 10.9 | 12.6 | 24 | 14.8 |
| 26 | 8.4 | 10.6 | 12.1 | 10.4 | 17.5 | 18.9 | 12.1 | 8.7 | 8.0 | 9.9 | 9.9 | 9.4 | 7.7 | 10.6 | 12.1 | 10.8 | 11.6 | 8.9 | 10.9 | 15.5 | 10.9 | 13.0 | 12.1 | 10.9 | 24 | 18.9 |
| 27 | 8.9 | 10.4 | 9.4 | 10.4 | 10.1 | 8.2 | 9.6 | 7.5 | 6.9 | 4.4 | 1.4 | 1.6 | 1.9 | 2.6 | 3.4 | 8.2 | 7.1 | 5.4 | 4.3 | 2.6 | 2.9 | 3.4 | 2.4 | -.2 | 24 | 10.4 |
| 28 | -1.4 | 1.2 | 3.9 | 5.9 | 4.4 | 3.6 | 1.9 | 1.4 | 2.4 | 2.4 | 2.1 | 3.4 | 5.1 | 4.9 | 7.7 | 4.9 | 3.1 | 3.4 | 4.1 | 5.1 | 7.0 | 3.8 | 2.6 | 7.0 | 24 | 7.7 |
| 29 | 8.2 | 5.6 | 11.8 | 8.7 | 7.9 | 7.6 | 6.6 | 8.5 | 6.6 | 4.3 | 4.6 | 3.3 | .4 | 1.6 | 3.1 | 2.9 | 3.1 | 1.9 | 1.6 | 3.6 | 7.7 | 10.9 | 8.2 | 13.7 | 24 | 13.7 |
| 30 | 11.0 | 7.2 | 11.5 | 12.0 | 11.0 | 11.0 | 7.9 | 9.1 | 7.0 | 5.6 | 5.1 | AX | 5.1 | 3.8 | 4.4 | 2.4 | .2 | 3.1 | 4.6 | 8.2 | 5.3 | 6.0 | 4.1 | 3.9 | 23 | 12.0 |
| 31 | 5.6 | 4.1 | 7.5 | 7.3 | 6.0 | 6.5 | 7.2 | 6.5 | 6.2 | 5.1 | 5.1 | 5.0 | 6.8 | 7.2 | 4.8 | 3.3 | 5.8 | 6.8 | 5.1 | 3.9 | 4.1 | 3.3 | 4.6 | 5.1 | 24 | 7.5 |
| NO.: | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 22 | 21 | 21 | 22 | 22 | 21 | 21 | 21 | 22 | 23 | 23 | 23 | 23 | 23 | | |
| MAX: | 24.7 | 26.5 | 28.6 | 22.2 | 22.0 | 26.9 | 24.9 | 24.4 | 21.0 | 21.7 | 20.8 | 15.7 | 14.9 | 19.0 | 18.3 | 26.2 | 21.3 | 16.9 | 20.3 | 20.9 | 21.2 | 22.5 | 29.5 | 25.0 | | |
| AVG: | 12.25 | 11.23 | 12.40 | 12.20 | 10.90 | 12.06 | 11.10 | 10.53 | 10.65 | 10.28 | 9.53 | 8.05 | 7.84 | 7.92 | 8.23 | 7.79 | 8.02 | 8.88 | 9.45 | 10.47 | 10.99 | 11.06 | 11.10 | 10.84 | | |

MONTHLY OBSERVATIONS: 538 MONTHLY MEAN: 10.21 MONTHLY MAX: 29.5

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-183-0014 POC: 3
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS: BAM SAMPLER TO BE OPERATED FOR 700 DAYS THEN REEVALUATED

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT: 2.62

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: APRIL 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.6 | 2.6 | 2.6 | 3.6 | 4.9 | 4.4 | 5.6 | 9.1 | 6.1 | 2.1 | .2 | 4.6 | 3.6 | 2.4 | 1.9 | 1.2 | .9 | 1.6 | 2.4 | 3.9 | 5.8 | 4.4 | 5.9 | 3.6 | 24 | 9.1 |
| 2 | -.4 | .0 | 2.9 | 2.1 | 6.3 | 4.9 | 6.0 | 4.1 | 3.8 | 4.1 | 4.6 | 4.9 | 5.9 | 4.4 | 3.1 | 3.1 | 1.7 | .7 | 3.6 | 6.8 | 5.4 | 2.4 | 3.1 | 3.4 | 24 | 6.8 |
| 3 | 2.1 | 3.4 | 5.4 | 5.1 | 5.1 | 4.3 | 3.3 | 2.9 | 2.6 | 1.6 | .7 | .9 | -.2 | -.5 | -1.2 | 4.1 | 2.8 | 2.1 | 2.6 | 5.6 | 6.3 | 4.3 | 6.2 | 7.2 | 24 | 7.2 |
| 4 | 6.7 | 6.2 | 3.6 | 4.6 | 4.0 | 4.3 | 7.7 | 7.5 | 4.1 | 1.6 | 2.6 | 2.4 | 2.1 | 1.4 | 7.2 | 10.3 | 8.9 | 24.0 | 9.9 | 8.9 | 12.8 | 10.6 | 14.0 | 12.1 | 24 | 24.0 |
| 5 | 9.6 | 9.6 | 9.9 | 9.9 | 10.1 | 7.7 | 8.6 | 7.2 | 4.5 | 7.2 | 6.4 | 4.3 | 1.9 | 1.9 | 3.3 | 3.6 | 2.8 | 4.1 | 4.6 | 4.8 | 7.2 | 4.5 | 3.8 | 3.0 | 24 | 10.1 |
| 6 | 4.8 | 6.5 | 6.2 | 4.3 | 4.3 | 3.3 | 6.4 | 7.4 | 5.2 | 2.8 | 2.6 | 4.1 | 4.1 | BA | 1.6 | 1.9 | 6.5 | 4.8 | 3.8 | 5.1 | 6.2 | 5.3 | 2.8 | 6.0 | 23 | 7.4 |
| 7 | 5.7 | 5.1 | 3.8 | 2.1 | 2.3 | 1.9 | 2.9 | 5.1 | 3.6 | 3.8 | .7 | -1.2 | .7 | 1.6 | .4 | 1.9 | 5.3 | 5.6 | 6.5 | 4.8 | 5.8 | 3.3 | 1.2 | 1.6 | 24 | 6.5 |
| 8 | 1.9 | 1.9 | 4.8 | 3.5 | 2.8 | 5.5 | 4.3 | 1.1 | 1.6 | 1.6 | 1.4 | 2.4 | 1.4 | 1.4 | 1.4 | 1.1 | 3.8 | 2.8 | 1.4 | 2.6 | 5.5 | 6.0 | 7.7 | 6.9 | 24 | 7.7 |
| 9 | 5.0 | 4.2 | 2.3 | .6 | .6 | 3.3 | 4.0 | 1.9 | -.2 | 4.8 | 4.6 | 7.2 | 4.1 | -.2 | 1.1 | 3.3 | 3.6 | 3.3 | 5.4 | 5.0 | 4.3 | 1.5 | 1.8 | 3.5 | 24 | 7.2 |
| 10 | 3.0 | 1.8 | 1.3 | 3.0 | 2.3 | 2.8 | 2.1 | -.1 | .9 | -.3 | -3.4 | .9 | 2.8 | 1.1 | 1.1 | .4 | .2 | .9 | 1.9 | 5.3 | 7.4 | 8.7 | 6.2 | 3.3 | 24 | 8.7 |
| 11 | 1.8 | 3.5 | 2.0 | 1.3 | 4.1 | 3.8 | 1.6 | 4.8 | 5.1 | 3.8 | 3.3 | 4.3 | 3.3 | 2.3 | 2.1 | 3.3 | 7.9 | 6.8 | 4.1 | 4.3 | 4.8 | 4.8 | 4.8 | 4.3 | 24 | 7.9 |
| 12 | 3.6 | 4.8 | 4.3 | 2.4 | 2.1 | 2.8 | 4.1 | 9.2 | 7.5 | 7.5 | 9.4 | 8.4 | 6.7 | 6.3 | 9.9 | 6.0 | 6.2 | 5.8 | 6.5 | 13.1 | 7.2 | 9.4 | 6.8 | 8.2 | 24 | 13.1 |
| 13 | 6.3 | 7.7 | 12.3 | 8.4 | 5.7 | 7.0 | 4.8 | 1.4 | 4.6 | 3.6 | 3.1 | 3.8 | AX | AX | BA | BA | 4.6 | 3.8 | 2.6 | 11.6 | 14.5 | 9.6 | 8.7 | 6.2 | 20 | 14.5 |
| 14 | 8.8 | 5.3 | 5.0 | 6.4 | 9.6 | 8.8 | 4.5 | 6.0 | 5.7 | 5.5 | 3.1 | 2.6 | 3.1 | 4.6 | 3.8 | 4.3 | 3.1 | 3.1 | 7.7 | 6.5 | 5.1 | 5.1 | 6.2 | 5.7 | 24 | 9.6 |
| 15 | 4.3 | 3.5 | 3.8 | 6.4 | 6.9 | 5.2 | 8.3 | 5.5 | 6.8 | 4.6 | 1.9 | 2.6 | 2.4 | 3.6 | 2.8 | 1.6 | 3.3 | 4.1 | 4.6 | 7.2 | 4.8 | 5.7 | 6.0 | 4.0 | 24 | 8.3 |
| 16 | 2.5 | 5.4 | 5.4 | 4.3 | 2.8 | 5.9 | 4.5 | 1.8 | 2.6 | 2.3 | .0 | -1.0 | 1.6 | 4.1 | 1.4 | 1.6 | 2.6 | 2.4 | 5.7 | 7.5 | 8.2 | 13.8 | 10.6 | 7.2 | 24 | 13.8 |
| 17 | 4.6 | 4.0 | 5.7 | 4.8 | 3.8 | 7.9 | 10.3 | 6.3 | 3.1 | 2.1 | .6 | .9 | 1.8 | 3.6 | 2.3 | .9 | 2.3 | 2.3 | 3.3 | 7.0 | 10.8 | 9.9 | 10.6 | 11.3 | 24 | 11.3 |
| 18 | 13.7 | 8.8 | 11.0 | 11.0 | 11.0 | 11.7 | 10.3 | 9.9 | 11.3 | 7.5 | 5.7 | 3.1 | .6 | 4.3 | 4.1 | 6.1 | 4.1 | 4.6 | 6.5 | 7.5 | 12.8 | 14.5 | 10.3 | 10.4 | 24 | 14.5 |
| 19 | 11.6 | 8.7 | 8.7 | 11.3 | 9.6 | 12.5 | 10.6 | 9.9 | .0 | 11.6 | 13.5 | 9.6 | 9.2 | 6.2 | 5.6 | 6.3 | 4.4 | 5.8 | 9.1 | 8.2 | 12.1 | 13.5 | 19.8 | 12.8 | 24 | 19.8 |
| 20 | 11.3 | 14.5 | 9.4 | 7.5 | 10.9 | 8.7 | 6.0 | 6.0 | 7.0 | 4.1 | 6.0 | 4.1 | 1.9 | 3.9 | 5.6 | 7.0 | 5.4 | 5.8 | 5.4 | 7.2 | 9.8 | 6.8 | 5.7 | 4.6 | 24 | 14.5 |
| 21 | 4.4 | 8.4 | 11.6 | 9.6 | 17.2 | 12.3 | 12.6 | 15.0 | 13.3 | 9.6 | 10.8 | 7.7 | 10.9 | 10.8 | 11.6 | 9.6 | 9.2 | 7.7 | 7.7 | 10.1 | 9.2 | 9.4 | 8.7 | 7.2 | 24 | 17.2 |
| 22 | 8.4 | 7.7 | 8.9 | 9.2 | 6.8 | 7.3 | 8.0 | 9.6 | 6.5 | 11.8 | 13.1 | 9.6 | 6.8 | 8.9 | 8.9 | 12.3 | 8.2 | 7.7 | 8.7 | 7.0 | 10.4 | 8.0 | 6.3 | 4.4 | 24 | 13.1 |
| 23 | 2.9 | 5.1 | 5.4 | 8.0 | 7.7 | 5.6 | 6.8 | 6.0 | 5.4 | 4.1 | 4.4 | 3.4 | 1.2 | .7 | 3.4 | 4.1 | 2.9 | 3.6 | 2.4 | 7.0 | 9.2 | 5.9 | 10.4 | 9.2 | 24 | 10.4 |
| 24 | 6.3 | 8.5 | 8.9 | 9.9 | 8.5 | 7.0 | 7.7 | 7.3 | 4.8 | 3.1 | 2.6 | .9 | 2.1 | 3.4 | 3.6 | 3.1 | 3.3 | 7.5 | 4.9 | 6.3 | 15.0 | 7.0 | 10.4 | 9.4 | 24 | 15.0 |
| 25 | 6.8 | 6.5 | 6.3 | 4.6 | 5.4 | 6.5 | 6.0 | 7.7 | 8.7 | 5.6 | 4.9 | 6.5 | 7.0 | 4.3 | 4.1 | 4.1 | 4.6 | 16.0 | 17.5 | 16.2 | 11.1 | 10.6 | 8.9 | 5.8 | 24 | 17.5 |
| 26 | 7.7 | 8.9 | 7.0 | 5.4 | 9.6 | 7.5 | 7.7 | 6.0 | 3.9 | 4.4 | 4.6 | 4.6 | 6.1 | 7.7 | 11.1 | 8.5 | 9.2 | 12.6 | 9.9 | 17.5 | 13.3 | 12.6 | 15.1 | 10.1 | 24 | 17.5 |
| 27 | 10.2 | 9.6 | 13.6 | 9.2 | 13.8 | 12.1 | 11.6 | 11.3 | 15.8 | 13.8 | AX | BA | BA | 9.2 | 9.0 | 8.9 | 7.0 | 17.0 | 19.6 | 8.7 | 6.1 | 5.4 | 11.3 | 16.0 | 21 | 19.6 |
| 28 | 10.9 | 9.9 | 9.6 | 6.5 | 6.3 | 12.1 | 13.6 | 13.8 | 13.8 | 10.9 | 12.1 | 14.6 | 8.4 | 7.3 | 6.8 | 7.5 | 12.8 | 10.4 | 8.2 | 10.4 | 12.3 | 8.9 | 5.6 | 9.6 | 24 | 14.6 |
| 29 | 14.5 | 8.2 | 2.6 | 2.6 | 4.1 | 1.9 | 5.4 | 4.1 | 1.7 | 1.9 | 1.9 | 4.1 | 5.9 | 6.5 | 5.9 | 3.1 | 6.4 | 6.8 | 4.4 | 7.7 | 6.8 | 6.5 | 8.0 | 8.5 | 24 | 14.5 |
| 30 | 8.5 | 9.6 | 8.5 | 8.2 | 9.4 | 8.0 | 7.0 | 4.6 | 3.9 | 4.1 | 3.4 | 3.9 | 6.1 | 4.9 | 4.6 | 6.5 | 4.9 | 9.6 | 11.1 | 11.8 | 6.5 | 11.1 | 9.2 | 6.8 | 24 | 11.8 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 28 | 28 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 14.5 | 14.5 | 13.6 | 11.3 | 17.2 | 12.5 | 13.6 | 15.0 | 15.8 | 13.8 | 13.5 | 14.6 | 10.9 | 10.8 | 11.6 | 12.3 | 12.8 | 24.0 | 19.6 | 17.5 | 15.0 | 14.5 | 19.8 | 16.0 | | |
| AVG: | 6.40 | 6.33 | 6.43 | 5.86 | 6.60 | 6.57 | 6.74 | 6.41 | 5.46 | 5.04 | 4.30 | 4.28 | 3.98 | 4.15 | 4.36 | 4.68 | 4.96 | 6.44 | 6.40 | 7.85 | 8.56 | 7.65 | 7.87 | 7.08 | | |

MONTHLY OBSERVATIONS: 712 MONTHLY MEAN: 6.04 MONTHLY MAX: 24.0

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-183-0014 POC: 3
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS: BAM SAMPLER TO BE OPERATED FOR 700 DAYS THEN REEVALUATED

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT: 2.62

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MAY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.4 | 5.1 | 3.4 | 4.1 | 7.5 | 5.9 | 11.6 | 10.6 | 7.5 | 7.7 | 8.5 | 7.8 | 7.5 | 5.6 | 4.1 | 3.4 | 7.3 | 9.4 | 7.5 | 9.4 | 7.7 | 1.4 | -.2 | 2.4 | 24 | 11.6 |
| 2 | 2.6 | 2.4 | 6.1 | 7.7 | 5.4 | 8.0 | 5.6 | 7.3 | 7.7 | 9.2 | 8.5 | 9.2 | 10.7 | 7.8 | 9.7 | 8.2 | 12.1 | 11.1 | 10.2 | 9.7 | 9.2 | 5.1 | 2.9 | 2.6 | 24 | 12.1 |
| 3 | 8.0 | 6.8 | 5.4 | 4.9 | 2.6 | 2.2 | 5.4 | 6.8 | 7.5 | 6.1 | 4.9 | 6.3 | 8.2 | 6.8 | 4.6 | 3.1 | 5.2 | 4.6 | 9.4 | 5.9 | 6.1 | 7.3 | 13.8 | 12.1 | 24 | 13.8 |
| 4 | 11.6 | 7.5 | 3.9 | 4.9 | 5.6 | 3.1 | 1.7 | 3.9 | 2.6 | 2.2 | .7 | 1.9 | 4.9 | 4.9 | 4.6 | 4.4 | 7.1 | 6.5 | 5.1 | 4.9 | 5.9 | 6.5 | 8.9 | 6.3 | 24 | 11.6 |
| 5 | 6.5 | 7.0 | 6.3 | 4.1 | 12.6 | 9.4 | 8.7 | 6.0 | AX | BA | BA | 2.6 | 1.6 | 3.9 | 2.9 | 4.1 | 3.1 | 1.4 | 1.4 | .7 | .4 | -.7 | 2.9 | 2.6 | 21 | 12.6 |
| 6 | .5 | 1.2 | 3.6 | 2.1 | 1.2 | 2.6 | .9 | .9 | 1.4 | 2.9 | 1.6 | -.2 | -.7 | -.4 | .0 | -1.4 | 8.7 | 7.0 | 3.6 | 2.6 | 5.1 | 5.1 | 4.9 | 3.8 | 24 | 8.7 |
| 7 | 3.1 | 3.1 | 5.6 | 7.0 | 5.1 | 5.6 | 3.6 | 4.1 | 5.4 | 6.0 | 4.1 | 3.8 | .2 | -.7 | 4.6 | 6.3 | 3.4 | 2.6 | 2.9 | 13.6 | 11.1 | 9.4 | 10.6 | 7.2 | 24 | 13.6 |
| 8 | 8.0 | 10.6 | 8.0 | 9.9 | 8.2 | 3.8 | 3.4 | 7.5 | 8.0 | 6.5 | 5.4 | 6.1 | 4.9 | 12.3 | 9.6 | 10.6 | 7.5 | 10.4 | 8.0 | 7.5 | 9.9 | 8.2 | 7.3 | 8.0 | 24 | 12.3 |
| 9 | 14.6 | 16.2 | 17.5 | 16.0 | 13.6 | 10.6 | 15.3 | 13.8 | 11.6 | 10.4 | 11.3 | 14.8 | 13.1 | 12.6 | 15.5 | 14.3 | 16.0 | 18.9 | 12.1 | 21.8 | 20.8 | 16.5 | 17.2 | 22.6 | 24 | 22.6 |
| 10 | 17.7 | 18.4 | 20.9 | 22.3 | 20.8 | 21.1 | 19.1 | 20.8 | 16.3 | 14.5 | 15.5 | 19.3 | 22.8 | 16.5 | 18.5 | 9.7 | 14.1 | 11.6 | 11.1 | 8.5 | 8.2 | 9.9 | 9.9 | 12.6 | 24 | 22.8 |
| 11 | 10.9 | 12.1 | 12.1 | 8.7 | 14.1 | 17.5 | 19.8 | 18.5 | 17.5 | 11.9 | 20.6 | 17.2 | 14.8 | 12.9 | 13.6 | 14.8 | 11.9 | 11.8 | 16.2 | 16.8 | 19.4 | 17.5 | 18.2 | 14.8 | 24 | 20.6 |
| 12 | 19.3 | 18.2 | 18.7 | 15.5 | 23.1 | 10.1 | 12.1 | 9.4 | 12.6 | 14.1 | 17.0 | 17.5 | 14.6 | 17.2 | 21.6 | 18.0 | 19.2 | 17.7 | 17.7 | 17.5 | 15.8 | 10.9 | 7.5 | 11.4 | 24 | 23.1 |
| 13 | 12.4 | 8.9 | 14.3 | 10.4 | 8.2 | 6.3 | 5.9 | 8.0 | 7.0 | 9.7 | 9.4 | 8.7 | 6.6 | 10.4 | 6.1 | 3.6 | 4.4 | 5.4 | 5.1 | 7.5 | 11.8 | 8.2 | 6.5 | 9.9 | 24 | 14.3 |
| 14 | 6.5 | 3.1 | 4.1 | 3.6 | 7.3 | 4.6 | 4.1 | 5.4 | 4.1 | 2.1 | 3.6 | 2.6 | 1.2 | 3.6 | 3.1 | 2.2 | 3.1 | 3.6 | 5.1 | 6.5 | 9.2 | 6.3 | 4.6 | 4.6 | 24 | 9.2 |
| 15 | 2.1 | 2.6 | 6.0 | 3.6 | 4.1 | 4.4 | 2.6 | 1.9 | 1.9 | .9 | 2.1 | 3.1 | 1.9 | 1.4 | 1.1 | .4 | 2.4 | 2.6 | 4.1 | 5.3 | 7.2 | 7.2 | 7.0 | 6.2 | 24 | 7.2 |
| 16 | 5.3 | 3.1 | 4.3 | 5.6 | 6.7 | 9.4 | 6.8 | 5.6 | 6.8 | AZ | BA | BA | 4.6 | 4.1 | 3.1 | 1.9 | 6.2 | 5.8 | 6.1 | 7.9 | 8.9 | 7.7 | 9.9 | 10.1 | 21 | 10.1 |
| 17 | 10.9 | 7.9 | 13.0 | 9.4 | 6.0 | 8.9 | 7.5 | 5.8 | 5.3 | 7.5 | 6.5 | 5.9 | 4.1 | 4.3 | 4.8 | 10.9 | 9.9 | 7.7 | 10.6 | 6.8 | 10.1 | 10.6 | 6.8 | 6.1 | 24 | 13.0 |
| 18 | 5.1 | 6.8 | 6.1 | 6.8 | 5.8 | 2.8 | .2 | -1.0 | -2.6 | .9 | 6.5 | 4.6 | 6.8 | 6.8 | 5.6 | 6.8 | 8.7 | 12.1 | 9.4 | 6.3 | 6.8 | 7.0 | 10.1 | 11.3 | 24 | 12.1 |
| 19 | 10.1 | 8.9 | 6.0 | 6.1 | 8.0 | 7.5 | 9.2 | AX | AX | BA | BA | 9.2 | 11.1 | 9.2 | 5.6 | 4.1 | 1.9 | 2.4 | 6.5 | 5.8 | 7.0 | 5.8 | 3.1 | 3.4 | 20 | 11.1 |
| 20 | 4.8 | 4.1 | 5.6 | 7.0 | 6.0 | 3.6 | 5.1 | 4.3 | 7.7 | 6.8 | 3.1 | 1.2 | 4.6 | 5.6 | 3.1 | 1.9 | 3.4 | 1.4 | 5.4 | 6.3 | 4.1 | 3.3 | 2.6 | 2.4 | 24 | 7.7 |
| 21 | .9 | -1.9 | -.7 | 1.9 | 1.6 | -1.7 | -2.4 | 1.4 | 2.6 | 2.1 | 1.6 | .2 | 1.2 | 3.1 | .4 | -1.7 | .2 | -1.9 | .7 | 6.5 | 5.4 | 3.1 | 2.8 | 1.6 | 24 | 6.5 |
| 22 | .9 | 1.6 | .9 | 2.6 | 1.2 | -1.2 | 2.6 | 1.9 | -.2 | 3.6 | 4.4 | 1.2 | 3.1 | 3.6 | -.2 | -1.7 | -2.4 | .4 | 1.7 | .4 | .9 | -1.4 | -2.2 | 2.6 | 24 | 4.4 |
| 23 | 2.9 | 1.4 | 1.7 | 3.1 | 2.1 | .9 | 1.2 | 2.6 | .2 | -1.9 | .9 | 1.4 | 2.6 | -.5 | -4.6 | -4.4 | -.5 | .4 | .9 | .9 | 5.1 | 4.1 | 2.1 | 2.4 | 24 | 5.1 |
| 24 | 2.1 | 4.4 | 4.1 | 4.6 | 8.5 | 7.0 | 4.1 | 4.1 | 3.4 | 2.1 | 6.1 | 5.6 | 5.6 | 6.8 | 5.3 | 3.8 | 3.3 | 4.8 | 3.8 | 4.1 | 6.8 | 8.9 | 8.9 | 8.2 | 24 | 8.9 |
| 25 | 11.1 | 13.0 | 9.2 | 11.8 | 12.3 | 9.2 | 14.0 | 11.6 | 14.3 | 10.9 | 9.9 | 12.3 | 9.4 | 9.2 | 11.3 | 8.2 | 9.2 | 10.9 | 11.6 | 12.1 | 13.6 | 14.3 | 15.0 | 16.0 | 24 | 16.0 |
| 26 | 19.2 | 11.1 | 14.8 | 15.3 | 11.6 | 12.3 | 10.9 | 17.2 | 9.9 | 16.3 | 12.6 | 12.1 | 13.3 | 10.9 | 11.6 | 12.1 | 13.1 | 10.6 | 18.2 | 20.8 | 17.7 | 12.4 | 10.1 | 11.1 | 24 | 20.8 |
| 27 | 8.2 | 8.2 | 5.6 | 2.4 | 7.7 | 7.0 | 6.3 | 3.4 | 3.3 | 5.1 | 3.6 | 2.4 | 5.6 | 8.0 | 13.3 | 8.9 | 7.0 | 8.7 | 13.3 | 11.1 | 8.0 | 9.9 | 7.0 | 6.5 | 24 | 13.3 |
| 28 | 9.4 | 8.2 | 10.4 | 8.0 | 7.0 | 9.9 | 8.0 | 10.6 | 7.0 | 3.4 | 2.9 | 2.2 | 2.2 | 1.4 | .9 | 1.0 | .2 | 2.4 | 10.2 | 8.0 | 9.0 | 7.7 | 7.7 | 6.8 | 24 | 10.6 |
| 29 | 3.4 | 4.9 | 4.4 | 2.9 | 5.4 | 4.4 | 3.9 | 1.4 | -.4 | .0 | -.4 | -1.2 | -4.6 | -4.4 | -.4 | 1.4 | .0 | -.9 | -.2 | -2.6 | -1.9 | .4 | 4.4 | 1.4 | 24 | 5.4 |
| 30 | 3.1 | 5.6 | 7.8 | 5.9 | 2.6 | 2.9 | 3.1 | 5.9 | 5.1 | .2 | -1.2 | 3.9 | 1.9 | -1.4 | .2 | 4.1 | .2 | -2.4 | .2 | 2.6 | 1.0 | -.2 | .2 | -.4 | 24 | 7.8 |
| 31 | -.6 | -4.6 | -4.6 | -4.1 | -4.3 | -.6 | -1.9 | -3.6 | 1.2 | 2.4 | -.9 | -.9 | -2.2 | -3.6 | -2.4 | -1.2 | -.7 | 2.2 | 2.2 | 5.6 | 5.6 | 2.7 | -.7 | -1.2 | 24 | 5.6 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 28 | 28 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 19.3 | 18.4 | 20.9 | 22.3 | 23.1 | 21.1 | 19.8 | 20.8 | 17.5 | 16.3 | 20.6 | 19.3 | 22.8 | 17.2 | 21.6 | 18.0 | 19.2 | 18.9 | 18.2 | 21.8 | 20.8 | 17.5 | 18.2 | 22.6 | | |
| AVG: | 7.26 | 6.64 | 7.24 | 6.91 | 7.34 | 6.37 | 6.40 | 6.54 | 6.02 | 5.84 | 6.03 | 6.03 | 5.86 | 5.74 | 5.72 | 5.09 | 5.97 | 6.10 | 7.10 | 7.77 | 8.25 | 6.94 | 6.77 | 6.95 | | |

MONTHLY OBSERVATIONS: 734 MONTHLY MEAN: 6.54 MONTHLY MAX: 23.1

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-183-0014 POC: 3
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS: BAM SAMPLER TO BE OPERATED FOR 700 DAYS THEN REEVALUATED

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT: 2.62

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JUNE 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -.4 | -2.9 | -2.4 | -.2 | 1.0 | .9 | 2.9 | 2.6 | 1.0 | -1.6 | -1.7 | .2 | .2 | -.7 | -1.7 | -.7 | 2.4 | 1.9 | 1.4 | .2 | -.2 | -.7 | -.7 | 1.4 | 24 | 2.9 |
| 2 | .0 | .5 | 4.9 | 3.6 | 1.7 | .5 | -1.7 | 1.2 | 5.6 | AX | AX | BA | BA | -.9 | 1.0 | 3.4 | 3.9 | 2.6 | 4.1 | 5.1 | 2.9 | 7.7 | 5.2 | 3.9 | 20 | 7.7 |
| 3 | 2.6 | 7.3 | 7.5 | 7.0 | 9.0 | 6.1 | 8.0 | 7.5 | 4.9 | 5.2 | BA | BA | BA | 6.8 | 23.6 | 8.7 | 6.8 | 4.9 | 11.9 | 10.4 | 5.2 | 4.4 | 3.4 | 5.2 | 21 | 23.6 |
| 4 | 8.7 | 5.6 | 8.7 | 9.2 | 9.2 | 6.4 | 5.7 | 10.2 | 13.1 | 11.1 | 9.4 | 11.4 | 11.2 | 12.4 | 13.8 | 9.0 | 8.2 | 6.1 | 7.8 | 7.5 | 7.5 | 9.7 | 7.5 | 7.3 | 24 | 13.8 |
| 5 | 1.7 | -.2 | 1.7 | -1.9 | -2.4 | -1.1 | 1.7 | 3.7 | 3.9 | 6.4 | 5.7 | 2.9 | 2.4 | 1.9 | -.4 | -1.1 | .5 | 5.4 | 3.4 | .2 | 1.5 | .5 | -1.6 | 1.2 | 24 | 6.4 |
| 6 | 2.9 | -.4 | -.7 | -1.9 | -4.1 | -.9 | .5 | 2.7 | 5.2 | 6.8 | 4.9 | 3.9 | 4.4 | 5.2 | 5.9 | 5.6 | 7.1 | 4.7 | 2.2 | 1.0 | 2.2 | 3.1 | 2.9 | 3.2 | 24 | 7.1 |
| 7 | 1.7 | .2 | 2.2 | 3.2 | 5.4 | 3.7 | 2.2 | 1.7 | AX | AX | BA | BA | 8.5 | 6.7 | 5.2 | 5.6 | 3.9 | 5.2 | 5.9 | 4.9 | 6.1 | 4.4 | 8.2 | 6.8 | 20 | 8.5 |
| 8 | 9.7 | 6.5 | 9.0 | 9.4 | 7.0 | 6.3 | 5.4 | 3.4 | 3.9 | 3.4 | 2.2 | 6.4 | 5.1 | 1.4 | 1.2 | 1.9 | .0 | -.7 | 1.4 | 2.4 | 3.9 | 6.3 | 5.1 | 5.4 | 24 | 9.7 |
| 9 | 4.1 | .9 | 3.4 | 3.6 | 3.6 | 4.1 | 2.4 | 4.6 | 3.1 | 1.4 | 4.4 | 3.9 | 3.6 | 3.1 | 2.9 | 3.6 | 3.9 | 2.4 | 2.4 | 4.6 | 7.5 | 7.7 | 11.1 | 8.9 | 24 | 11.1 |
| 10 | 13.1 | 8.9 | 7.7 | 17.9 | 7.5 | 9.6 | 8.9 | 6.5 | 5.1 | 3.9 | 3.9 | 4.9 | 3.9 | 2.9 | 2.9 | 4.9 | 7.0 | 5.9 | 9.4 | 8.4 | 9.6 | 10.8 | 8.7 | 12.6 | 24 | 17.9 |
| 11 | 8.2 | 10.4 | 8.5 | 9.4 | 9.9 | 11.6 | 9.2 | 9.9 | 14.8 | 14.3 | 14.3 | 12.4 | 11.1 | 9.2 | 9.7 | 10.2 | 11.1 | 12.6 | 10.4 | 8.4 | 14.6 | 15.0 | 19.9 | 18.2 | 24 | 19.9 |
| 12 | 13.1 | 18.2 | 19.0 | 13.3 | 18.0 | 19.6 | 16.3 | 18.0 | 13.8 | 10.6 | 13.1 | 11.1 | 10.9 | 9.2 | 12.4 | 12.3 | 11.6 | 14.3 | 15.1 | 16.3 | 12.1 | 11.4 | 10.6 | 11.4 | 24 | 19.6 |
| 13 | 10.6 | 8.2 | 9.7 | 7.5 | 5.4 | 7.7 | 5.6 | 2.4 | 2.1 | 3.9 | 3.6 | 3.1 | 1.2 | 1.4 | 4.1 | 2.6 | 1.9 | 2.1 | 2.6 | 3.6 | 6.8 | 7.5 | 8.9 | 10.6 | 24 | 10.6 |
| 14 | 9.7 | 8.0 | 8.4 | 8.5 | 9.6 | 12.3 | 8.5 | 9.4 | 9.6 | 9.9 | 8.2 | 7.5 | 7.8 | 6.8 | 8.0 | 7.7 | 6.8 | 8.7 | 7.0 | 9.2 | 15.0 | 15.3 | 10.6 | 12.8 | 24 | 15.3 |
| 15 | 11.9 | 14.8 | 15.8 | 14.6 | 10.6 | 14.1 | 16.3 | 20.4 | 16.0 | 17.2 | 9.4 | 9.4 | 11.6 | 15.3 | 13.3 | 16.7 | 18.0 | 17.7 | 19.9 | 14.1 | 7.8 | 4.4 | 3.4 | 4.4 | 24 | 20.4 |
| 16 | 8.0 | 6.8 | 10.2 | 7.3 | 4.4 | 5.2 | 5.4 | 4.4 | 6.4 | 7.8 | 12.6 | 8.0 | 7.5 | 6.9 | 5.7 | 6.8 | 7.1 | 5.9 | 9.0 | 8.7 | 9.4 | 10.2 | 11.4 | 12.9 | 24 | 12.9 |
| 17 | 8.2 | 7.5 | 5.6 | 4.4 | 2.9 | 3.9 | 4.9 | 8.7 | 7.3 | 7.5 | 5.2 | 5.1 | 5.4 | 1.5 | -.4 | 1.9 | 1.9 | 2.4 | .0 | 2.6 | 6.4 | 6.1 | 3.4 | 3.1 | 24 | 8.7 |
| 18 | 4.6 | 3.9 | 3.1 | 3.1 | 3.9 | 3.4 | 7.5 | 5.6 | 4.4 | 3.4 | 2.6 | 3.9 | 5.1 | 3.6 | 1.7 | .9 | .4 | .7 | 2.6 | 4.9 | 7.5 | 10.4 | 6.1 | 5.4 | 24 | 10.4 |
| 19 | 5.6 | 7.3 | 7.9 | 6.5 | 4.1 | 2.4 | 3.6 | 2.4 | 1.4 | 3.9 | 4.6 | 1.9 | -.4 | 1.6 | 2.6 | 5.1 | 5.1 | 4.1 | 3.9 | 6.1 | 6.1 | 7.0 | 5.4 | 7.5 | 24 | 7.9 |
| 20 | 10.2 | 6.5 | 8.2 | 9.2 | 6.8 | 7.7 | 6.8 | 4.1 | 9.2 | 6.4 | 3.4 | 5.4 | 2.9 | 4.4 | 5.6 | 2.6 | 2.4 | 3.6 | 6.1 | 6.8 | 8.0 | 17.5 | 9.9 | 10.4 | 24 | 17.5 |
| 21 | 9.2 | 8.5 | 11.6 | 8.7 | 8.7 | 9.4 | 9.2 | 10.9 | 13.3 | 13.3 | 11.6 | 13.6 | 9.6 | 6.4 | 6.1 | 10.9 | 12.8 | 13.8 | 14.3 | 13.3 | 10.4 | 17.2 | 14.3 | 13.6 | 24 | 17.2 |
| 22 | 9.9 | 10.6 | 11.1 | 9.7 | 9.9 | 9.2 | 8.2 | 9.2 | AX | BA | BA | 12.3 | 7.0 | 5.9 | 5.4 | 8.7 | 10.2 | 11.4 | 12.1 | 11.9 | 14.1 | 16.0 | 12.3 | 12.9 | 21 | 16.0 |
| 23 | 9.2 | 16.3 | 10.7 | 14.6 | 16.3 | 19.2 | 15.6 | 22.8 | 20.9 | 19.2 | 18.7 | 15.6 | 15.8 | 16.5 | 15.3 | 16.8 | 18.2 | 18.7 | 13.1 | 12.6 | AV | AV | AV | 4.4 | 21 | 22.8 |
| 24 | 2.4 | -.2 | .7 | 2.0 | 3.9 | 5.2 | 3.6 | 2.4 | 4.9 | 5.9 | 6.1 | 9.9 | 9.9 | 11.4 | 10.2 | 9.0 | 7.3 | 12.4 | 9.2 | 12.6 | 11.9 | 13.4 | 17.5 | 16.6 | 24 | 17.5 |
| 25 | 20.9 | 11.6 | 10.4 | 12.4 | 9.2 | 9.0 | 9.9 | 7.3 | 10.2 | 8.0 | 7.1 | 6.4 | 6.8 | 9.4 | 7.3 | 10.2 | 10.2 | 9.0 | 9.5 | 8.5 | 9.2 | 10.7 | 7.3 | 6.8 | 24 | 20.9 |
| 26 | 6.7 | 8.7 | 6.6 | 7.5 | 5.9 | 8.3 | 8.7 | 6.8 | 6.8 | 7.8 | 10.4 | 7.1 | 3.6 | 1.7 | 3.7 | 5.9 | 4.1 | 2.2 | 6.4 | 5.9 | 7.5 | 9.7 | 9.4 | 8.5 | 24 | 10.4 |
| 27 | 7.8 | 6.8 | 12.8 | 8.7 | 7.1 | 7.7 | 8.5 | 10.4 | 8.0 | 10.7 | 8.7 | 13.8 | 10.2 | 9.0 | 10.7 | 7.1 | 3.4 | 5.1 | 7.1 | 13.6 | 13.3 | 9.9 | 10.2 | 9.7 | 24 | 13.8 |
| 28 | 6.6 | 5.9 | 5.9 | 5.2 | 7.1 | 6.6 | 5.6 | 5.4 | 5.6 | 6.2 | 6.4 | 4.6 | 8.5 | 6.2 | 2.4 | 3.9 | 3.9 | 4.1 | 6.2 | 6.1 | 6.4 | 8.3 | 9.7 | 9.9 | 24 | 9.9 |
| 29 | 5.7 | 3.7 | 7.8 | 12.1 | 17.3 | 10.7 | 14.6 | 12.9 | 12.9 | 15.8 | 12.6 | 10.4 | 6.6 | 7.5 | 8.3 | 8.0 | 7.8 | 10.2 | 16.3 | 5.9 | 5.7 | 4.9 | 5.4 | 8.7 | 24 | 17.3 |
| 30 | 8.7 | 6.8 | 6.4 | 9.2 | 9.0 | 7.5 | 5.9 | 14.8 | 9.5 | 6.8 | 7.3 | 14.8 | 8.8 | 4.7 | 4.1 | 5.7 | 10.4 | 10.4 | 12.9 | 15.8 | 11.6 | 8.7 | 6.4 | 4.9 | 24 | 15.8 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 28 | 27 | 26 | 27 | 28 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 30 | | |
| MAX: | 20.9 | 18.2 | 19.0 | 17.9 | 18.0 | 19.6 | 16.3 | 22.8 | 20.9 | 19.2 | 18.7 | 15.6 | 15.8 | 16.5 | 23.6 | 16.8 | 18.2 | 18.7 | 19.9 | 16.3 | 15.0 | 17.5 | 19.9 | 18.2 | | |
| AVG: | 7.38 | 6.56 | 7.41 | 7.46 | 6.93 | 7.21 | 7.00 | 7.74 | 7.96 | 7.97 | 7.49 | 7.77 | 6.76 | 5.91 | 6.35 | 6.46 | 6.61 | 6.93 | 7.79 | 7.72 | 7.93 | 8.88 | 8.00 | 8.29 | | |

MONTHLY OBSERVATIONS: 703 MONTHLY MEAN: 7.35 MONTHLY MAX: 23.6

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-183-0014 POC: 3
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS: BAM SAMPLER TO BE OPERATED FOR 700 DAYS THEN REEVALUATED

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT: 2.62

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JULY 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.2 | 12.1 | 9.2 | 5.4 | 7.8 | 7.8 | 12.2 | 12.4 | 11.9 | 11.4 | 7.8 | 8.3 | 8.5 | 7.8 | 9.0 | 8.3 | 12.6 | 12.6 | 22.1 | 12.1 | 20.4 | 18.0 | 10.2 | 10.2 | 24 | 22.1 |
| 2 | 9.7 | 5.4 | 5.2 | 6.6 | 8.3 | 8.0 | 7.3 | 11.4 | 13.8 | 10.7 | 10.4 | 10.4 | 7.5 | 9.2 | 10.7 | 14.1 | 12.9 | 11.9 | 8.3 | 6.1 | 5.9 | 5.1 | 3.1 | 5.2 | 24 | 14.1 |
| 3 | 3.9 | 1.9 | 4.2 | 2.0 | 2.2 | 2.4 | 2.2 | 2.4 | 6.2 | 3.9 | 10.4 | 9.0 | 10.2 | 10.7 | 16.3 | 12.6 | 10.4 | 9.7 | 7.3 | 5.2 | 15.8 | 9.2 | 9.2 | 7.5 | 24 | 16.3 |
| 4 | 11.4 | 6.8 | 6.8 | 8.5 | 6.6 | 8.0 | 7.5 | 6.2 | 6.4 | 6.6 | 5.4 | 10.4 | 11.6 | 10.4 | 9.9 | 9.9 | 12.1 | 13.8 | 19.5 | 21.4 | 37.9 | 33.7 | 20.4 | 9.7 | 24 | 37.9 |
| 5 | 6.2 | 4.4 | 3.2 | 5.9 | 7.3 | 9.0 | 7.1 | 11.1 | 9.2 | 10.4 | 13.4 | 15.8 | 16.8 | 9.2 | 15.6 | 10.4 | 9.9 | 6.4 | 5.2 | 4.4 | 2.9 | 2.4 | 5.2 | 5.6 | 24 | 16.8 |
| 6 | 6.4 | 5.4 | 5.7 | 6.6 | 4.7 | 5.7 | 8.0 | 6.8 | 8.5 | 9.2 | 10.9 | 37.6 | AX | AX | BA | BA | -2.1 2 | -.6 2 | 1.0 2 | -.2 2 | -.6 2 | 3.2 2 | 11.2 2 | 6.9 2 | 20 | 37.6 |
| 7 | 4.2 2 | 14.1 2 | 8.0 2 | 10.4 2 | 13.6 2 | 10.2 2 | 10.2 2 | 9.0 2 | 10.4 2 | 8.0 2 | 5.4 2 | 1.5 2 | -.2 2 | 9.5 2 | 6.4 2 | 2.7 2 | 5.2 2 | 3.6 2 | 5.4 2 | 3.9 2 | .7 2 | 3.6 2 | 3.4 2 | -.2 2 | 24 | 14.1 |
| 8 | -.2 2 | .2 2 | -.9 2 | 1.2 2 | 2.2 2 | 2.4 2 | 1.5 2 | 6.1 2 | 5.4 2 | 2.4 2 | 7.5 2 | 6.6 2 | 6.9 2 | 8.0 2 | 11.7 2 | 12.6 2 | 11.6 2 | 17.3 2 | 13.1 2 | 8.2 2 | 4.6 2 | 3.6 2 | 4.6 2 | 4.2 2 | 24 | 17.3 |
| 9 | .7 2 | -.4 2 | 3.4 2 | 2.9 2 | 1.9 2 | 4.7 2 | 4.2 2 | 3.7 2 | 2.7 2 | 5.6 2 | 9.0 2 | 7.3 2 | 11.4 2 | 6.6 2 | 4.9 2 | 5.9 2 | 7.8 2 | 5.6 2 | 3.6 2 | 7.3 2 | 7.3 2 | 5.9 2 | 3.2 2 | 3.9 2 | 24 | 11.4 |
| 10 | 7.3 2 | 8.7 2 | 8.0 2 | 6.4 2 | 6.6 2 | 5.9 2 | 4.9 2 | 7.3 2 | 5.2 2 | 3.7 2 | .7 2 | 1.7 2 | 5.6 2 | 3.9 2 | 1.5 2 | 1.7 2 | 5.7 2 | 4.9 2 | 7.3 2 | 8.0 2 | 7.6 2 | 7.1 2 | 10.2 2 | 11.4 2 | 24 | 11.4 |
| 11 | 8.0 2 | 7.3 2 | 8.5 2 | 9.2 2 | 7.1 2 | 12.1 2 | 12.9 2 | 9.7 2 | 8.7 2 | 8.5 2 | 6.4 2 | 9.9 2 | 9.0 2 | 12.6 2 | 15.1 2 | 12.4 2 | 16.5 2 | 15.1 2 | 9.0 2 | 4.6 2 | 5.7 2 | 5.2 2 | 7.3 2 | 5.4 2 | 24 | 16.5 |
| 12 | 5.2 2 | 4.7 2 | 3.1 2 | 2.2 2 | 11.2 2 | 8.3 2 | 11.9 2 | 9.7 2 | 5.9 2 | 5.4 2 | 7.3 2 | 9.4 2 | 9.2 2 | 8.2 2 | 7.3 2 | 13.9 2 | 10.4 2 | 7.5 2 | 5.7 2 | 9.2 2 | 11.4 2 | 6.2 2 | 6.1 2 | 4.6 2 | 24 | 13.9 |
| 13 | 2.4 2 | 5.6 2 | 8.0 2 | 7.1 2 | 6.4 2 | 5.2 2 | 10.2 2 | 13.6 2 | 15.8 2 | 20.4 2 | 28.3 2 | 31.8 2 | 24.6 2 | 32.0 2 | 32.9 2 | 30.1 2 | 32.3 2 | 36.1 2 | 20.1 2 | 21.9 2 | 19.5 2 | 11.6 2 | 15.1 2 | 15.1 2 | 24 | 36.1 |
| 14 | 11.4 2 | 16.5 2 | 19.2 2 | 16.5 2 | 21.4 2 | 17.3 2 | 22.6 2 | 32.5 2 | 36.2 2 | 39.1 2 | 28.8 2 | 31.8 2 | 25.5 2 | 24.4 2 | 20.9 2 | 23.3 2 | 23.4 2 | 26.6 2 | 26.3 2 | 29.3 2 | 17.7 2 | 17.7 2 | 18.0 2 | 27.0 2 | 24 | 39.1 |
| 15 | 19.0 2 | 18.3 2 | 23.1 2 | 19.5 2 | 14.8 2 | 16.0 2 | 18.5 2 | 15.3 2 | 20.0 2 | 19.9 2 | 18.0 2 | 17.3 2 | 22.4 2 | 25.6 2 | 17.3 2 | 22.9 2 | 15.6 2 | 15.1 2 | 14.6 2 | 10.0 2 | 12.9 2 | 10.0 2 | 10.4 2 | 17.3 2 | 24 | 25.6 |
| 16 | 9.7 2 | 11.4 2 | 11.9 2 | 10.9 2 | 10.9 2 | 12.9 2 | 10.9 2 | 14.1 2 | 8.5 2 | 8.5 2 | 10.9 2 | 11.6 2 | 10.4 2 | 13.1 2 | 10.9 2 | 14.9 2 | 10.2 2 | 7.8 2 | 12.1 2 | 10.6 2 | 10.2 2 | 6.6 2 | 7.1 2 | 6.4 2 | 24 | 14.9 |
| 17 | 4.9 2 | 5.7 2 | 5.9 2 | 6.2 2 | 6.8 2 | 7.5 2 | 7.8 2 | 6.8 2 | 4.9 2 | 10.2 2 | 14.1 2 | 13.6 2 | 11.6 2 | 19.0 2 | 14.1 2 | 18.5 2 | 11.2 2 | 12.6 2 | 12.1 2 | 15.1 2 | 11.4 2 | 15.8 2 | 10.7 2 | 12.9 2 | 24 | 19.0 |
| 18 | 11.4 2 | 10.9 2 | 12.1 2 | 8.5 2 | 9.4 2 | 13.1 2 | 13.4 2 | 9.2 2 | 13.6 2 | 13.1 2 | 12.6 2 | 12.9 2 | 11.9 2 | 8.0 2 | 9.9 2 | 11.4 2 | 11.7 2 | 14.4 2 | 14.1 2 | 16.5 2 | 12.9 2 | 14.1 2 | 11.9 2 | 11.4 2 | 24 | 16.5 |
| 19 | 14.9 2 | 18.0 2 | 20.6 2 | 13.1 2 | 12.4 2 | 15.8 2 | 21.9 2 | 20.9 2 | 16.3 2 | 14.6 2 | 10.7 2 | 12.6 2 | 17.8 2 | 16.1 2 | 16.1 2 | 18.0 2 | 15.1 2 | 16.8 2 | 17.8 2 | 13.8 2 | 9.0 2 | 9.6 2 | 5.8 2 | 7.9 2 | 24 | 21.9 |
| 20 | 6.3 2 | 6.1 2 | 7.0 2 | 4.6 2 | 5.3 2 | 5.6 2 | 7.0 2 | 12.1 2 | 15.1 2 | AX | AX | BA | BA | 1.7 2 | 3.2 2 | 3.7 2 | 5.7 2 | 4.4 2 | 8.7 2 | 9.2 2 | 7.9 2 | 6.1 2 | 5.6 2 | 8.7 2 | 20 | 15.1 |
| 21 | 8.4 2 | 7.2 2 | 8.1 2 | 10.3 2 | 12.3 2 | 6.7 2 | 4.1 2 | 4.6 2 | 3.6 2 | 8.0 2 | 10.7 2 | 9.7 2 | 12.9 2 | 9.7 2 | 6.2 2 | 9.4 2 | 10.4 2 | 10.2 2 | 9.7 2 | 24.0 2 | 15.0 2 | 14.8 2 | 16.7 2 | 16.7 2 | 24 | 24.0 |
| 22 | 14.0 2 | 14.0 2 | 12.5 2 | 12.5 2 | 13.2 2 | 15.2 2 | 14.0 2 | 12.3 2 | 13.6 2 | 13.8 2 | 12.6 2 | 14.6 2 | 9.0 2 | 11.9 2 | 12.9 2 | 13.3 2 | 14.3 2 | 15.5 2 | 14.4 2 | 18.5 2 | 12.1 2 | 11.1 2 | 9.6 2 | 7.5 2 | 24 | 18.5 |
| 23 | 6.8 2 | 8.9 2 | 7.9 2 | 9.4 2 | 8.6 2 | 8.6 2 | 8.6 2 | 18.2 2 | 9.4 2 | 17.5 2 | 18.2 2 | 17.0 2 | 11.6 2 | 13.8 2 | 16.5 2 | 7.5 2 | 11.6 2 | 16.3 2 | 12.6 2 | 14.3 2 | 21.3 2 | 14.6 2 | 12.6 2 | 14.0 2 | 24 | 21.3 |
| 24 | 10.9 2 | 14.8 2 | 14.0 2 | 14.0 2 | 11.0 2 | 14.5 2 | 12.5 2 | 10.6 2 | 14.8 2 | 16.0 2 | 16.3 2 | 12.6 2 | 9.9 2 | 9.0 2 | 10.6 2 | 10.7 2 | 11.6 2 | 13.6 2 | 20.6 2 | 17.7 2 | 13.8 2 | 20.6 2 | 14.5 2 | 10.4 2 | 24 | 20.6 |
| 25 | 13.3 2 | 12.8 2 | 13.7 2 | 15.0 2 | 13.3 2 | 11.5 2 | 11.8 2 | 14.1 2 | 12.9 2 | 17.7 2 | 16.0 2 | 18.5 2 | 14.3 2 | 16.8 2 | 16.8 2 | 8.5 2 | 18.2 2 | 17.0 2 | 12.1 2 | 13.6 2 | 14.6 2 | 13.3 2 | 15.0 2 | 11.1 2 | 24 | 18.5 |
| 26 | 11.8 2 | 12.1 2 | 11.3 2 | 11.3 2 | 9.4 2 | 8.9 2 | 15.5 2 | 10.9 2 | 13.3 2 | 11.1 2 | 12.3 2 | 13.6 2 | 15.1 2 | 15.5 2 | 16.8 2 | 14.3 2 | 11.4 2 | 15.5 2 | 17.5 2 | 14.8 2 | 11.1 2 | 11.4 2 | 8.2 2 | 6.8 2 | 24 | 17.5 |
| 27 | 10.8 2 | 7.7 2 | 7.5 2 | 8.2 2 | 5.6 2 | 10.8 2 | 8.7 2 | 13.6 2 | 14.8 2 | 16.8 2 | 15.8 2 | 11.4 2 | 11.4 2 | 9.7 2 | 14.6 2 | 13.8 2 | 10.4 2 | 15.1 2 | 19.2 2 | 15.8 2 | 8.9 2 | 12.6 2 | 9.4 2 | 9.8 2 | 24 | 19.2 |
| 28 | 7.5 2 | 9.1 2 | 12.5 2 | 14.7 2 | 11.3 2 | 12.5 2 | 9.6 2 | 13.8 2 | 12.1 2 | AX | AX | BA | BA | 3.4 | 1.7 | 6.1 | 8.9 | 9.2 | 8.2 | 14.8 | 14.3 | 15.8 | 10.9 | 9.6 | 20 | 15.8 |
| 29 | 7.7 | 9.6 | 8.1 | 10.8 | 8.4 | 10.3 | 7.5 | 8.7 | 5.7 | 2.2 | -1.4 | -2.6 | .2 | 6.1 | 5.6 | 5.4 | 5.9 | 3.9 | 5.4 | 6.4 | 5.6 | 6.6 | 7.7 | 7.4 | 24 | 10.8 |
| 30 | 9.1 | 6.8 | 3.3 | 4.8 | 6.6 | 5.6 | 6.7 | 8.4 | 9.2 | 7.1 | 9.2 | 6.9 | 6.4 | 9.4 | 8.2 | 7.5 | 11.4 | 8.0 | 9.2 | 7.5 | 5.8 | 8.9 | 9.4 | 6.5 | 24 | 11.4 |
| 31 | 3.6 | 5.8 | 7.7 | 7.5 | 6.1 | 9.1 | 6.3 | 5.1 | 12.4 | 8.5 | 5.4 | 5.1 | 5.1 | 7.5 | 7.8 | 4.9 | 6.9 | 5.9 | 4.1 | 4.1 | 4.1 | 4.1 | 2.1 | 1.2 | 24 | 12.4 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 29 | 29 | 28 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 19.0 | 18.3 | 23.1 | 19.5 | 21.4 | 17.3 | 22.6 | 32.5 | 36.2 | 39.1 | 28.8 | 37.6 | 25.5 | 32.0 | 32.9 | 30.1 | 32.3 | 36.1 | 26.3 | 29.3 | 37.9 | 33.7 | 20.4 | 27.0 | | |
| AVG: | 8.13 | 8.77 | 8.99 | 8.78 | 8.80 | 9.41 | 9.92 | 10.99 | 11.18 | 11.39 | 11.49 | 12.63 | 11.31 | 11.63 | 11.71 | 11.62 | 11.59 | 11.99 | 11.82 | 11.87 | 11.22 | 10.60 | 9.51 | 9.10 | | |

MONTHLY OBSERVATIONS: 732 MONTHLY MEAN: 10.58 MONTHLY MAX: 39.1

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-183-0014 POC: 3
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS: BAM SAMPLER TO BE OPERATED FOR 700 DAYS THEN REEVALUATED

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT: 2.62

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: AUGUST 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.4 | 2.5 | 5.4 | 8.0 | 5.7 | 2.0 | 3.7 | 7.6 | 10.9 | 7.3 | 13.1 | 11.4 | 12.4 | 13.6 | 12.7 | 12.7 | 10.0 | 12.9 | 12.4 | 14.9 | 11.2 | 7.1 | 7.3 | 9.2 | 24 | 14.9 |
| 2 | 11.7 | 9.0 | 13.2 | 11.2 | 11.0 | 13.9 | 11.0 | 15.9 | 16.1 | 15.1 | 11.4 | 14.6 | 15.1 | 20.9 | 11.4 | 13.9 | 13.9 | 8.3 | 9.5 | 11.4 | 15.6 | 10.7 | 7.8 | 7.1 | 24 | 20.9 |
| 3 | 10.7 | 10.5 | 10.0 | 13.6 | 10.5 | 7.6 | 7.6 | BA | BA | BA | 5.9 2 | 7.1 2 | 5.9 2 | 8.3 2 | 8.5 2 | 7.1 2 | 7.8 2 | 7.8 2 | 10.9 2 | 7.3 2 | 8.5 2 | 10.0 2 | 9.5 2 | 8.3 2 | 21 | 13.6 |
| 4 | 10.0 2 | 9.3 2 | 7.8 2 | 8.8 2 | 10.0 2 | 7.8 2 | 6.9 2 | 9.7 2 | 8.5 2 | 13.4 2 | 9.3 2 | 11.4 2 | 9.3 2 | 8.3 2 | 12.2 2 | 9.5 2 | 9.0 2 | 7.2 2 | 9.7 2 | 11.7 2 | 7.6 2 | 9.0 2 | 7.1 2 | 9.5 2 | 24 | 13.4 |
| 5 | 7.4 2 | 8.6 2 | 10.5 2 | 7.4 2 | 6.4 2 | 7.8 2 | 8.0 2 | 6.7 2 | 8.5 2 | 11.2 2 | 8.8 2 | 14.9 2 | 14.4 2 | 8.8 2 | 8.1 2 | 13.9 2 | 14.1 2 | 11.0 2 | 9.1 2 | 6.7 2 | 11.0 2 | 10.5 2 | 9.3 2 | 10.5 2 | 24 | 14.9 |
| 6 | 13.9 2 | 11.0 2 | 9.5 2 | 10.5 2 | 9.3 2 | 10.7 2 | 11.4 2 | 15.4 2 | 16.4 2 | 16.4 2 | 12.5 2 | 13.2 2 | 12.2 2 | 14.4 2 | 13.2 2 | 12.4 2 | 15.6 2 | 15.4 2 | 11.9 2 | 12.9 2 | 17.5 2 | 15.8 2 | 15.4 2 | 15.1 2 | 24 | 17.5 |
| 7 | 11.9 2 | 11.2 2 | 10.0 2 | 13.7 2 | 11.0 2 | 11.5 2 | 11.2 2 | 11.9 2 | 10.0 2 | 10.0 2 | 10.0 2 | 12.9 2 | 9.0 2 | 11.2 2 | 8.1 2 | 9.0 2 | 12.2 2 | 11.2 2 | 13.2 2 | 10.7 2 | 7.6 2 | 13.9 2 | 15.0 2 | 8.1 2 | 24 | 15.0 |
| 8 | 11.7 2 | 14.8 2 | 15.0 2 | 14.4 2 | 14.4 2 | 9.5 2 | 8.5 2 | 12.4 2 | 12.4 2 | 13.7 2 | 13.7 2 | BA | BA | BA | BA | 8.5 | 10.0 | 5.5 | .5 | 1.5 | 1.7 | -1.7 | -.7 | 2.7 | 20 | 15.0 |
| 9 | 2.7 | 6.6 | 7.6 | 6.9 | 5.2 | 2.2 | 3.0 | 5.5 | 8.3 | 6.0 | AZ | AZ | BA | BA | 5.9 | 6.0 | 4.7 | 4.5 | 2.7 | 3.9 | 7.4 | 6.6 | 5.2 | 3.5 | 20 | 8.3 |
| 10 | 4.2 | 4.7 | 2.2 | 5.2 | 5.2 | 6.9 | 3.7 | .8 | 9.3 | 7.6 | 3.5 | 6.2 | 7.6 | 6.5 | 8.3 | 9.7 | 8.8 | 10.8 | 10.2 | 13.2 | 12.2 | 8.8 | 9.5 | 9.5 | 24 | 13.2 |
| 11 | 6.4 | 4.2 | 6.7 | 7.4 | 5.7 | 7.1 | 7.6 | 10.2 | 10.0 | 8.3 | 7.4 | 8.3 | 8.3 | 4.5 | 6.0 | 9.8 | 8.1 | 7.6 | 8.8 | 7.1 | 4.5 | 3.2 | 3.0 | 2.0 | 24 | 10.2 |
| 12 | 2.0 | 2.5 | 4.5 | 3.5 | 2.7 | 3.9 | 6.0 | 3.7 | AX | AX | BA | BA | 1.3 | 3.5 | 3.5 | 5.2 | 2.5 | .8 | 3.7 | 3.7 | 3.9 | 3.2 | 2.2 | 4.2 | 20 | 6.0 |
| 13 | 3.7 | 3.0 | 4.0 | 3.0 | 5.5 | 4.0 | 3.0 | 5.5 | 8.3 | 7.6 | 7.9 | 5.2 | 6.2 | 6.0 | 6.7 | 5.7 | 6.9 | 8.8 | 6.2 | 9.3 | 8.1 | 8.8 | 12.7 | 8.5 | 24 | 12.7 |
| 14 | 5.2 | 5.0 | 8.8 | 6.2 | 5.2 | 4.5 | 6.7 | 6.2 | 3.0 | 6.5 | 7.6 | 8.6 | 6.5 | 4.7 | 5.0 | 7.4 | 6.2 | 7.6 | 11.7 | 11.5 | 8.8 | 9.7 | 7.6 | 6.2 | 24 | 11.7 |
| 15 | 6.7 | 8.3 | 6.0 | 6.0 | 4.0 | 7.4 | 6.9 | 10.2 | 8.3 | 11.2 | 6.7 | 10.7 | 9.3 | 6.5 | 5.2 | 5.7 | 6.6 | 6.9 | 8.8 | 9.5 | 11.5 | 8.3 | 6.7 | 8.6 | 24 | 11.5 |
| 16 | 8.3 | 6.4 | 7.4 | 8.8 | 4.7 | .3 | 3.2 | 5.2 | 3.5 | 4.5 | 5.7 | 9.3 | AX | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | 12 | 9.3 |
| 17 | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | 0 | |
| 18 | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | 0 | |
| 19 | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | 0 | |
| 20 | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | 0 | |
| 21 | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | 0 | |
| 22 | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | 0 | |
| 23 | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | 0 | |
| 24 | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | 0 | |
| 25 | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | BE | 0 | |
| 26 | BE | BE | BE | BE | BE | BE | BE | BE | BE | AX | BA | BA | 6.2 | 6.2 | 9.3 | 7.6 | 11.2 | 9.7 | 11.5 | 16.6 | 12.7 | 15.1 | 12.2 | 26.6 | 12 | 26.6 |
| 27 | 13.0 | 11.7 | 15.4 | 12.7 | 12.7 | 11.0 | 8.3 | 10.0 | 16.3 | 16.8 | 14.6 | 12.3 | 10.0 | 14.4 | 10.2 | 15.1 | 26.5 | 7.8 | 27.2 | 11.5 | 27.5 | 27.7 | 9.6 | 23.2 | 24 | 27.7 |
| 28 | 21.5 | 11.5 | 11.0 | 11.2 | 8.6 | 6.2 | 6.0 | 4.7 | 6.6 | 7.1 | 12.6 | 10.8 | 6.2 | 4.2 | 3.7 | 2.5 | 3.8 | 12.2 | 7.8 | 9.0 | 8.3 | 8.6 | 9.8 | 8.9 | 24 | 21.5 |
| 29 | 5.3 | 5.7 | 6.7 | 23.4 | 5.5 | 2.6 | 18.7 | 19.9 | 22.0 | 8.1 | 7.1 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 11 | 23.4 |
| 30 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 31 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| NO.: | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 18 | 17 | 17 | 17 | 15 | 16 | 16 | 17 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | | |
| MAX: | 21.5 | 14.8 | 15.4 | 23.4 | 14.4 | 13.9 | 18.7 | 19.9 | 22.0 | 16.8 | 14.6 | 14.9 | 15.1 | 20.9 | 13.2 | 15.1 | 26.5 | 15.4 | 27.2 | 16.6 | 27.5 | 27.7 | 15.4 | 26.6 | | |
| AVG: | 8.35 | 7.71 | 8.51 | 9.57 | 7.54 | 6.68 | 7.44 | 8.97 | 10.49 | 10.05 | 9.28 | 10.46 | 8.74 | 8.88 | 8.12 | 8.98 | 9.88 | 8.67 | 9.77 | 9.58 | 10.31 | 9.74 | 8.29 | 9.54 | | |

MONTHLY OBSERVATIONS: 428 MONTHLY MEAN: 8.95 MONTHLY MAX: 27.7

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-183-0014 POC: 3
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS: BAM SAMPLER TO BE OPERATED FOR 700 DAYS THEN REEVALUATED

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT: 2.62

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: SEPTEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.3 | 9.2 | 7.7 | 6.3 | 7.9 | 5.8 | 8.2 | 11.3 | 5.8 | 5.2 | 4.6 | 4.5 | 4.3 | BA | BA | BA | 8.2 | 13.3 | 11.8 | 14.0 | 7.7 | 9.4 | 9.9 | 9.2 | 21 | 14.0 |
| 2 | 10.4 | 7.2 | 12.1 | 9.9 | 10.9 | 6.7 | 5.6 | 8.7 | 12.3 | 10.4 | 9.6 | 10.4 | 16.0 | 4.9 | 3.2 | 2.0 | 2.0 | 5.0 | 3.9 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 24 | 16.0 |
| 3 | -1.0 | -2.0 | .0 | -1.0 | 1.0 | 4.0 | 2.0 | 2.0 | 4.0 | 1.0 | 4.0 | 5.0 | 5.0 | 4.0 | 6.0 | 4.0 | 4.0 | 6.0 | 2.0 | 2.0 | 4.0 | 7.0 | 4.0 | 6.0 | 24 | 7.0 |
| 4 | 9.0 | 5.0 | .0 | 3.0 | 6.1 | 4.6 | 1.9 | 5.1 | 7.2 | 5.3 | 4.6 | 7.4 | 5.8 | 4.1 | 4.6 | 6.3 | 6.7 | 9.9 | 7.5 | 6.3 | 12.0 | 8.2 | 11.6 | 8.4 | 24 | 12.0 |
| 5 | 7.7 | 8.9 | 7.7 | 8.2 | 11.3 | 10.1 | 6.2 | 8.0 | 6.5 | 4.4 | 4.6 | 4.1 | .2 | 2.7 | 5.1 | 5.3 | 3.6 | 2.9 | 3.4 | 4.4 | 13.0 | 12.3 | 12.3 | 8.7 | 24 | 13.0 |
| 6 | 6.3 | 10.1 | 12.5 | 9.2 | 7.0 | 9.2 | 10.9 | 7.7 | 5.1 | 6.0 | 9.0 | AX | BA | BA | 6.7 | 10.3 | 6.5 | 8.9 | 9.9 | 13.5 | 10.1 | 13.3 | 12.5 | 9.0 | 21 | 13.5 |
| 7 | 12.6 | 9.7 | 11.6 | 9.7 | 8.2 | 8.4 | 11.0 | 15.5 | 14.5 | 13.0 | 9.9 | 10.0 | 9.0 | 8.0 | 8.0 | 12.0 | 16.0 | 16.0 | 15.0 | 19.0 | 15.0 | 14.0 | 11.0 | 15.0 | 24 | 19.0 |
| 8 | 15.0 | 13.0 | 11.0 | 15.0 | 16.0 | 16.0 | 16.7 | 20.7 | 14.0 | 11.9 | 10.3 | 8.9 | 7.7 | 6.3 | 11.0 | 11.0 | 12.0 | 13.0 | 17.0 | 16.0 | 17.0 | 17.0 | 15.0 | 9.0 | 24 | 20.7 |
| 9 | 11.0 | 14.0 | 13.0 | 16.0 | 14.0 | 13.0 | 11.0 | 17.0 | BA | BA | BA | BA | 15.0 | 16.9 | 15.2 | 7.9 | 14.5 | 13.3 | 10.4 | 10.7 | 18.2 | 19.6 | 10.2 | 10.7 | 20 | 19.6 |
| 10 | 17.4 | 9.5 | 11.9 | 10.0 | 9.7 | 9.7 | 10.7 | 11.9 | 9.4 | 10.7 | 8.0 | 10.2 | 13.3 | 12.8 | 15.2 | 17.9 | 10.7 | 13.5 | 10.5 | 19.0 | 16.0 | 10.0 | 10.0 | 6.0 | 24 | 19.0 |
| 11 | 3.0 | 8.2 | 8.0 | 9.9 | 15.6 | 10.9 | 13.3 | 17.7 | 13.8 | 12.1 | 10.2 | 7.5 | 5.6 | 7.2 | 8.4 | 10.9 | 6.7 | 5.1 | 8.5 | 12.3 | 10.9 | 8.0 | 6.1 | 5.4 | 24 | 17.7 |
| 12 | 3.9 | 2.5 | .8 | 2.2 | 4.6 | 5.4 | 8.5 | 9.2 | 6.1 | 6.3 | 4.9 | 4.4 | 5.6 | 4.2 | 2.0 | -.5 | 2.0 | 6.1 | 6.6 | 9.7 | 10.4 | 6.5 | 9.7 | 6.3 | 24 | 10.4 |
| 13 | 5.6 | 3.4 | 2.2 | 4.2 | 3.4 | 3.2 | 1.5 | 4.4 | 6.8 | 6.7 | 5.1 | 5.6 | 4.6 | 4.1 | 8.7 | 6.1 | 3.4 | 7.0 | 8.2 | 5.2 | 3.7 | 5.7 | 4.9 | 6.8 | 24 | 8.7 |
| 14 | 7.8 | 9.2 | 6.5 | 3.5 | 7.5 | 5.9 | 5.4 | 13.3 | 8.0 | 8.2 | 6.5 | 4.4 | 4.2 | 5.4 | 7.0 | 6.7 | 8.7 | 11.1 | 10.9 | 10.2 | 7.3 | 8.5 | 8.0 | 6.4 | 24 | 13.3 |
| 15 | 8.0 | 8.3 | 9.7 | 8.0 | 9.2 | 10.0 | 15.8 | 17.0 | AZ | AZ | BA | BA | 12.0 | 8.0 | 8.0 | 18.0 | 10.0 | 21.0 | 12.0 | 11.0 | 12.0 | 10.0 | 10.0 | 11.0 | 20 | 21.0 |
| 16 | 11.0 | 8.0 | 11.0 | 7.0 | 5.0 | 5.0 | 4.0 | 10.4 | 7.8 | 5.2 | 6.2 | 8.0 | 7.8 | 8.0 | 6.5 | 7.3 | 6.8 | 11.9 | 8.2 | 5.9 | 6.6 | 6.5 | 10.7 | 9.0 | 24 | 11.9 |
| 17 | 11.2 | 7.0 | 4.0 | 4.2 | 6.1 | 5.2 | 3.0 | 4.2 | 8.0 | 4.9 | 3.7 | 1.3 | .3 | 1.3 | 7.0 | 4.9 | 4.0 | 7.8 | 6.4 | 6.4 | 6.6 | 7.1 | 6.1 | 3.0 | 24 | 11.2 |
| 18 | 1.8 | 7.3 | 5.2 | 1.5 | .6 | -.2 | -.9 | .5 | 1.3 | 1.7 | 1.8 | -.2 | 4.9 | 6.6 | 3.7 | .8 | -.9 | 2.0 | 3.2 | .6 | -.9 | -4.3 | -4.3 | .1 | 24 | 7.3 |
| 19 | -1.9 | -2.6 | -1.8 | -4.3 | -4.3 | -1.4 | -1.2 | -.2 | .8 | 2.5 | 1.0 | -1.6 | -3.1 | -2.1 | -2.6 | -4.1 | -3.3 | -2.9 | -2.6 | -1.4 | -4.3 | -4.3 | .8 | -1.2 | 24 | 2.5 |
| 20 | -4.3 | -4.3 | 1.8 | 3.0 | -.9 | -1.2 | .3 | -.2 | -.4 | .5 | .1 | -1.4 | -.2 | AX | BA | BA | -4.3 | -4.3 | -4.3 | -4.3 | -4.4 | -4.1 | -4.3 | -4.3 | 21 | 3.0 |
| 21 | -4.3 | -4.3 | -4.4 | -4.4 | -4.4 | -4.3 | -4.3 | BA | BA | BA | BA | AX | BA | BA | 1.8 | 4.7 | 3.7 | 7.7 | 8.2 | 6.5 | 7.8 | 9.2 | 7.0 | 6.5 | 17 | 9.2 |
| 22 | 5.4 | 3.9 | 3.0 | 2.2 | 4.4 | 4.2 | 4.4 | 4.9 | 5.4 | 3.5 | 5.2 | 5.9 | 3.7 | 8.5 | 7.7 | 9.2 | 7.5 | 8.2 | 6.6 | 6.1 | 10.4 | 12.4 | 11.0 | 11.9 | 24 | 12.4 |
| 23 | 9.5 | 7.8 | 11.9 | 9.0 | 11.9 | 10.7 | 10.9 | 13.8 | 10.4 | 9.2 | 13.3 | 9.4 | 10.2 | 9.5 | 7.5 | 9.7 | 9.7 | 7.8 | 9.5 | 11.4 | 10.7 | 9.4 | 10.2 | 14.5 | 24 | 14.5 |
| 24 | 12.1 | 10.9 | 9.7 | 9.7 | 10.7 | 13.6 | 13.3 | 16.7 | 12.1 | 13.5 | 12.1 | 9.7 | 16.5 | 9.9 | 11.6 | 10.4 | 16.2 | 20.7 | 15.3 | 19.1 | 24.7 | 20.0 | 25.2 | 22.5 | 24 | 25.2 |
| 25 | 18.2 | 17.5 | 19.4 | 17.2 | 18.4 | 13.3 | 16.0 | 14.6 | 12.4 | 11.9 | 12.1 | 9.5 | 7.5 | 14.1 | 12.1 | 15.8 | 13.1 | 9.7 | 13.6 | 12.4 | 12.6 | 10.7 | 8.5 | 10.9 | 24 | 19.4 |
| 26 | 6.5 | 10.2 | 9.2 | 12.8 | 10.7 | 9.2 | 10.2 | 10.4 | 8.5 | 9.5 | 6.8 | 7.7 | 9.2 | 7.5 | 12.8 | 13.1 | 13.3 | 13.5 | 11.4 | 15.3 | 10.4 | 19.1 | 15.3 | 17.7 | 24 | 19.1 |
| 27 | 13.8 | 11.6 | 17.2 | 14.8 | 9.9 | 8.2 | 11.4 | 9.0 | 11.0 | 10.9 | 9.5 | 12.1 | 9.9 | 11.2 | 8.7 | 13.8 | 12.8 | 10.0 | 10.7 | 13.6 | 13.1 | 11.4 | 13.3 | 10.9 | 24 | 17.2 |
| 28 | 10.2 | 11.4 | 9.5 | 9.4 | 11.6 | 12.3 | 11.6 | 14.0 | 10.9 | 13.8 | 15.0 | 12.3 | 12.3 | 15.0 | 16.5 | 16.0 | 14.3 | 10.2 | 9.9 | 9.0 | 13.8 | 11.9 | 9.9 | 7.5 | 24 | 16.5 |
| 29 | 9.7 | 8.5 | 7.3 | 9.9 | 8.2 | 9.9 | 9.7 | 7.7 | 13.1 | 9.9 | 9.2 | 7.2 | 4.9 | 8.2 | 8.2 | 8.2 | 9.4 | 8.0 | 8.2 | 10.7 | 9.9 | 11.6 | 9.9 | 8.0 | 24 | 13.1 |
| 30 | 12.8 | 11.9 | 11.9 | 10.7 | 11.6 | 10.7 | 10.4 | 13.8 | 13.5 | 8.0 | 8.4 | 9.0 | 12.3 | 10.6 | 12.8 | 9.7 | 7.2 | 9.2 | 9.7 | 7.7 | 6.3 | 8.2 | 7.0 | 8.2 | 24 | 13.8 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 27 | 27 | 27 | 26 | 28 | 26 | 28 | 28 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 18.2 | 17.5 | 19.4 | 17.2 | 18.4 | 16.0 | 16.7 | 20.7 | 14.5 | 13.8 | 15.0 | 12.3 | 16.5 | 16.9 | 16.5 | 18.0 | 16.2 | 21.0 | 17.0 | 19.1 | 24.7 | 20.0 | 25.2 | 22.5 | | |
| AVG: | 7.82 | 7.37 | 7.65 | 7.23 | 7.73 | 7.27 | 7.58 | 9.97 | 8.46 | 7.64 | 7.25 | 6.59 | 7.30 | 7.57 | 7.98 | 8.48 | 7.48 | 9.05 | 8.39 | 9.21 | 9.45 | 9.24 | 8.78 | 8.17 | | |

MONTHLY OBSERVATIONS: 696 MONTHLY MEAN: 8.08 MONTHLY MAX: 25.2

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-183-0014 POC: 3
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS: BAM SAMPLER TO BE OPERATED FOR 700 DAYS THEN REEVALUATED

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT: 2.62

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: OCTOBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11.1 | 10.2 | 11.8 | 15.0 | 9.6 | 15.5 | 7.7 | 11.1 | 15.5 | 13.8 | 13.3 | 11.4 | 14.0 | 12.0 | 10.2 | 15.7 | 15.0 | 18.4 | 19.3 | 16.7 | 21.2 | 17.9 | 26.8 | 22.2 | 24 | 26.8 |
| 2 | 16.2 | 20.5 | 16.9 | 19.1 | 20.2 | 16.5 | 21.4 | 20.5 | 16.2 | 19.7 | 17.0 | 12.8 | 16.7 | 17.7 | 13.3 | 15.7 | 11.8 | 16.3 | 16.5 | 17.0 | 20.5 | 22.6 | 16.7 | 18.6 | 24 | 22.6 |
| 3 | 17.2 | 15.0 | 17.7 | 17.2 | 18.6 | 11.6 | 15.0 | 20.0 | 19.5 | 15.3 | 2.0 | 10.3 | 7.7 | 8.4 | 6.5 | 6.5 | 10.3 | 14.7 | 11.5 | 12.7 | 12.0 | 14.0 | 13.7 | 18.6 | 24 | 20.0 |
| 4 | 15.2 | 10.1 | 15.2 | 14.7 | 12.3 | 14.2 | 15.9 | 19.5 | 16.7 | 10.6 | 10.9 | 12.0 | 8.4 | 9.6 | 10.1 | 13.0 | 12.7 | 14.2 | 13.0 | 12.0 | 11.6 | 14.7 | 9.4 | 11.6 | 24 | 19.5 |
| 5 | 11.3 | 7.9 | 11.1 | 8.2 | 6.7 | 7.2 | 10.3 | 9.6 | 11.8 | 8.4 | 15.0 | 10.1 | 8.4 | 12.3 | 11.6 | 10.4 | 10.9 | 7.7 | 13.0 | 13.0 | 14.2 | 12.5 | 9.9 | 7.2 | 24 | 15.0 |
| 6 | 9.4 | 17.9 | 10.9 | 13.5 | 9.9 | 11.1 | 10.7 | 11.4 | 9.9 | 12.8 | 11.2 | 9.7 | 10.4 | 9.1 | 8.9 | 16.7 | 10.6 | 10.4 | 11.8 | 12.0 | 10.6 | 8.4 | 12.0 | 7.2 | 24 | 17.9 |
| 7 | 3.6 | 3.2 | 3.9 | 4.1 | 2.4 | 1.2 | 6.7 | 5.6 | 9.1 | AX | BA | BA | 5.6 | 5.8 | 5.8 | 4.6 | 2.6 | 2.1 | 5.3 | 6.0 | 6.5 | 5.0 | 6.4 | 5.5 | 21 | 9.1 |
| 8 | 4.3 | 6.9 | 6.0 | 6.4 | 3.8 | 6.3 | 6.4 | 5.3 | 3.6 | 2.9 | 5.3 | 5.3 | 5.5 | 5.5 | 8.6 | 6.0 | 5.5 | 6.9 | 5.1 | 7.9 | 6.1 | 5.8 | 7.7 | 6.3 | 24 | 8.6 |
| 9 | 6.3 | 7.2 | 7.2 | 9.4 | 10.1 | 15.9 | 10.1 | 12.5 | 11.1 | 7.9 | 5.5 | 10.1 | 6.9 | 5.3 | 4.5 | 5.6 | 8.2 | 11.5 | 11.5 | 11.3 | 11.1 | 8.4 | 7.9 | 8.4 | 24 | 15.9 |
| 10 | 8.9 | 10.3 | 10.4 | 6.9 | 5.1 | 10.4 | 8.4 | 9.4 | 6.9 | 5.5 | 4.8 | 3.8 | 5.3 | 5.1 | 5.5 | 5.6 | 8.9 | 12.0 | 11.3 | 12.8 | 13.3 | 13.3 | 12.1 | 8.4 | 24 | 13.3 |
| 11 | 12.8 | 16.0 | 8.2 | 9.2 | 11.3 | 14.3 | 12.1 | 11.8 | 10.4 | AX | AX | AX | BA | BA | 5.1 | 3.9 | 4.6 | 8.9 | 7.7 | 10.6 | 12.8 | 10.4 | 9.9 | 10.1 | 19 | 16.0 |
| 12 | 11.5 | 10.1 | 8.1 | 9.4 | 7.9 | 7.0 | 8.2 | 8.2 | 9.4 | 7.4 | 4.6 | 5.8 | 6.9 | 8.6 | 6.2 | 3.9 | 2.1 | 6.9 | 5.8 | 6.2 | 6.7 | 6.2 | 9.2 | 6.5 | 24 | 11.5 |
| 13 | 3.6 | 3.2 | 6.7 | 7.7 | 6.7 | 6.7 | 7.0 | 10.7 | 7.6 | 7.7 | 6.0 | 7.4 | 8.6 | 11.1 | 7.9 | 10.6 | 13.2 | 12.0 | 9.4 | 9.8 | 13.5 | 13.2 | 14.5 | 10.1 | 24 | 14.5 |
| 14 | 7.2 | 8.9 | 10.9 | 11.1 | 7.7 | 5.6 | 6.4 | 7.9 | 5.3 | 1.7 | 4.4 | 4.3 | 2.9 | 3.1 | 4.8 | 7.2 | 7.4 | 9.9 | 15.4 | 14.5 | 10.6 | 9.6 | 13.2 | 8.9 | 24 | 15.4 |
| 15 | 7.9 | 14.5 | 15.2 | 17.1 | 10.4 | 9.9 | 11.6 | 9.7 | 6.2 | 6.0 | 9.4 | 8.4 | 10.8 | 6.2 | 8.4 | 6.2 | 6.2 | 7.4 | 10.4 | 10.9 | 9.6 | 19.2 | 19.3 | 9.6 | 24 | 19.3 |
| 16 | 14.3 | 10.4 | 11.4 | 10.6 | 18.1 | 18.4 | 12.8 | 11.3 | 6.0 | 9.9 | 6.2 | 2.9 | 2.9 | 6.9 | 5.8 | 3.8 | 8.6 | 6.3 | 7.9 | 6.0 | 11.1 | 13.5 | 11.8 | 17.6 | 24 | 18.4 |
| 17 | 14.5 | 9.9 | 15.7 | 8.2 | 9.6 | 12.0 | 14.7 | 18.6 | 13.2 | 8.9 | 8.9 | 9.6 | 10.1 | 11.5 | 9.8 | 10.3 | 9.9 | 10.1 | 12.8 | 12.5 | 9.6 | 11.1 | 10.1 | 11.8 | 24 | 18.6 |
| 18 | 13.5 | 12.5 | 13.2 | 11.6 | 14.2 | 10.6 | 9.4 | 10.1 | 8.4 | 6.9 | 5.1 | 6.0 | 4.8 | 3.8 | 7.9 | 9.1 | 7.6 | 5.8 | 11.1 | 10.1 | 16.2 | 10.1 | 13.7 | 12.5 | 24 | 16.2 |
| 19 | 10.8 | 7.9 | 7.9 | 12.0 | 9.6 | 11.1 | 11.5 | 11.5 | 9.1 | 12.7 | 10.6 | 8.6 | 8.6 | 8.9 | 8.1 | 8.1 | 10.3 | 11.5 | 11.1 | 12.5 | 16.4 | 10.6 | 16.1 | 13.4 | 24 | 16.4 |
| 20 | 11.0 | 14.9 | 11.3 | 13.7 | 15.0 | 12.2 | 15.4 | 15.2 | 12.7 | 14.7 | 10.5 | 11.7 | 10.0 | 12.2 | 7.1 | 8.3 | 7.1 | 15.2 | 10.6 | 12.7 | 13.7 | 7.9 | 3.8 | 5.3 | 24 | 15.4 |
| 21 | 8.1 | 6.7 | 3.8 | 4.3 | 4.1 | 2.4 | 1.6 | 3.4 | 4.0 | 3.6 | 6.9 | 6.0 | 8.8 | 10.3 | 11.3 | 7.4 | 4.8 | 6.2 | 4.8 | 4.3 | 2.1 | 1.9 | 6.2 | 5.1 | 24 | 11.3 |
| 22 | 3.1 | 5.1 | 5.1 | 3.1 | 2.2 | 1.2 | 3.1 | 3.4 | 4.3 | 3.8 | 6.2 | 5.8 | 5.0 | 4.8 | 4.8 | 5.5 | 6.2 | 6.9 | 8.9 | 6.9 | 8.1 | 9.6 | 12.2 | 7.9 | 24 | 12.2 |
| 23 | 9.4 | 11.5 | 9.6 | 6.0 | 8.2 | 9.9 | 11.6 | 8.4 | 7.9 | 8.4 | 6.9 | 5.7 | 5.1 | 5.7 | 6.2 | 7.9 | 7.7 | 10.1 | 9.4 | 11.8 | 11.8 | 14.2 | 13.4 | 10.6 | 24 | 14.2 |
| 24 | 8.4 | 10.1 | 9.4 | 10.1 | 8.6 | 9.6 | 11.3 | 12.8 | 8.1 | AX | AX | AX | BA | BA | 7.2 | 9.1 | 9.1 | 10.1 | 14.2 | 11.8 | 14.2 | 11.8 | 9.1 | 11.6 | 19 | 14.2 |
| 25 | 11.3 | 15.0 | 12.1 | 13.0 | 11.9 | 11.4 | 14.3 | 10.6 | 5.6 | AX | AX | BA | BA | 8.4 | 7.7 | 8.9 | 8.6 | 9.6 | 11.1 | 12.5 | 15.0 | 14.5 | 14.0 | 15.7 | 20 | 15.7 |
| 26 | 15.5 | 17.7 | 12.5 | 12.1 | 13.5 | 12.3 | 19.0 | 11.6 | 13.0 | 11.3 | 10.1 | 8.4 | 11.6 | 11.3 | 6.9 | 5.1 | 13.2 | 15.7 | 18.1 | 16.7 | 19.9 | 12.5 | 15.5 | 13.7 | 24 | 19.9 |
| 27 | 15.5 | 12.3 | 15.0 | 14.5 | 16.0 | 12.8 | 17.9 | 11.8 | 14.5 | 8.4 | 9.9 | 7.7 | 4.1 | 5.3 | 6.2 | 8.4 | 8.1 | 9.9 | 11.1 | 8.6 | 10.3 | 6.2 | 9.1 | 9.1 | 24 | 17.9 |
| 28 | 11.3 | 10.8 | 7.9 | 10.3 | 12.5 | 10.3 | 10.3 | 12.5 | 12.2 | 11.8 | 10.1 | 8.9 | 5.8 | 6.4 | 6.9 | 6.4 | 6.2 | 8.8 | 8.9 | 8.9 | 9.8 | 13.4 | 13.7 | 11.8 | 24 | 13.7 |
| 29 | 13.7 | 11.3 | 14.2 | 13.7 | 14.5 | 12.3 | 15.5 | 12.0 | 9.9 | 12.7 | 11.5 | 11.3 | 8.6 | 12.9 | 10.8 | 8.4 | 7.6 | 10.6 | 22.8 | 20.6 | 19.4 | 15.2 | 22.1 | 18.8 | 24 | 22.8 |
| 30 | 19.9 | 16.4 | 18.5 | 18.3 | 17.6 | 19.9 | 16.9 | 20.4 | 14.9 | 15.9 | 10.8 | 12.0 | 10.5 | 6.2 | 6.9 | 10.1 | 10.3 | 11.8 | 20.1 | 17.1 | 16.4 | 23.8 | 17.6 | 14.2 | 24 | 23.8 |
| 31 | 17.3 | 12.7 | 10.3 | 20.1 | 16.6 | 17.6 | 22.3 | 17.8 | 5.8 | 3.6 | 4.5 | 6.0 | 4.1 | 4.3 | 7.6 | 6.4 | 6.7 | 7.4 | 5.5 | 6.0 | 9.8 | 7.4 | 6.9 | 8.9 | 24 | 22.3 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 27 | 27 | 27 | 28 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 19.9 | 20.5 | 18.5 | 20.1 | 20.2 | 19.9 | 22.3 | 20.5 | 19.5 | 19.7 | 17.0 | 12.8 | 16.7 | 17.7 | 13.3 | 16.7 | 15.0 | 18.4 | 22.8 | 20.6 | 21.2 | 23.8 | 26.8 | 22.2 | | |
| AVG: | 11.10 | 11.20 | 10.91 | 11.31 | 10.80 | 10.88 | 11.79 | 11.76 | 9.96 | 9.34 | 8.43 | 8.22 | 7.79 | 8.23 | 7.70 | 8.22 | 8.45 | 10.17 | 11.46 | 11.37 | 12.39 | 11.77 | 12.39 | 11.20 | | |

MONTHLY OBSERVATIONS: 727 MONTHLY MEAN: 10.33 MONTHLY MAX: 26.8

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-183-0014 POC: 3
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS: BAM SAMPLER TO BE OPERATED FOR 700 DAYS THEN REEVALUATED

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT: 2.62

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: NOVEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11.1 | 6.7 | 5.8 | 6.4 | 6.7 | 5.3 | 6.5 | 6.9 | 17.1 | 6.9 | 4.0 | 16.4 | 7.4 | 5.3 | 9.1 | 6.9 | 8.1 | 10.8 | 9.3 | 8.4 | 15.6 | 12.3 | 8.6 | 9.3 | 24 | 17.1 |
| 2 | 14.2 | 11.8 | 10.8 | 13.0 | 12.3 | 15.9 | 16.7 | 12.3 | 12.2 | 10.8 | 13.5 | 10.1 | 12.0 | 10.8 | 15.9 | 17.3 | 18.8 | 16.9 | 20.4 | 21.3 | 21.6 | 26.2 | 24.0 | 21.6 | 24 | 26.2 |
| 3 | 25.2 | 20.2 | 20.9 | 20.9 | 19.7 | 22.1 | 21.6 | 13.5 | 17.5 | 12.9 | 15.2 | 14.7 | AZ | AZ | BA | BA | 20.4 | 23.6 | 26.5 | 24.2 | 21.6 | 18.5 | 21.6 | 20.6 | 20 | 26.5 |
| 4 | 19.6 | 21.8 | 23.0 | 14.2 | 9.6 | 6.4 | 6.6 | 5.7 | 9.6 | 7.1 | 3.3 | 2.4 | 3.8 | 3.8 | 4.5 | 8.4 | 8.1 | 9.3 | 7.4 | 11.7 | 10.8 | 9.3 | 8.9 | 11.5 | 24 | 23.0 |
| 5 | 8.6 | 10.1 | 10.1 | 12.7 | 9.4 | 13.7 | 11.1 | 9.1 | 9.4 | 8.1 | 7.1 | 5.3 | 3.1 | 5.9 | 6.4 | 3.6 | 6.9 | 7.2 | 11.8 | 15.9 | 17.3 | 16.4 | 21.4 | 23.3 | 24 | 23.3 |
| 6 | 24.6IT | 27.5IT | 24.8IT | 23.8IT | 21.6IT | 22.4IT | 18.7IT | 23.8IT | 15.2IT | 10.8IT | 12.0IT | 11.3IT | 6.9IT | 7.6IT | 6.6IT | 6.9IT | 5.7IT | 4.8IT | 6.4IT | 7.9IT | 13.9IT | 15.2IT | 12.2IT | 9.1IT | 24 | 27.5 |
| 7 | 9.6 | 6.9 | 11.1 | 9.6 | 10.4 | 10.8 | 12.0 | 11.3 | 8.4 | 7.4 | 7.4 | 5.9 | 6.2 | 7.1 | 5.9 | 3.6 | 3.6 | 6.4 | 15.4 | 14.9 | 12.7 | 10.3 | 10.3 | 14.0 | 24 | 15.4 |
| 8 | 13.7 | 11.5 | 14.0 | 12.7 | 11.1 | 11.8 | 16.9 | 12.0 | 11.3 | 9.1 | 6.2 | 3.8 | 5.9 | 5.7 | 4.3 | 4.3 | 10.8 | 12.0 | 11.3 | 16.4 | 12.2 | 20.4 | 19.2 | 15.0 | 24 | 20.4 |
| 9 | 17.4IT | 14.7IT | 14.7IT | 16.2IT | 12.7IT | 13.7IT | 15.9IT | 20.4IT | 20.6IT | 28.7IT | 40.1IT | 38.4IT | 38.4IT | 33.3IT | 12.5IT | 7.6IT | 8.4IT | 6.4IT | 4.8IT | 10.3IT | 9.1IT | 5.3IT | 3.8IT | 5.1IT | 24 | 40.1 |
| 10 | 7.2 | 7.2 | 4.6 | 7.7 | 5.9 | 4.8 | 7.4 | 5.9 | 5.7 | 10.6 | 10.1 | 7.1 | 4.3 | 5.6 | 5.7 | 3.6 | 5.3 | 8.1 | 17.1 | 14.2 | 16.9 | 16.4 | 17.4 | 15.9 | 24 | 17.4 |
| 11 | 15.4 | 15.2 | 13.5 | 16.9 | 14.0 | 14.7 | 13.7 | 16.6 | 11.5 | 11.8 | 8.9 | 5.9 | 6.2 | 5.5 | 5.7 | 6.1 | 8.6 | 13.0 | 14.4 | 11.5 | 8.9 | 13.4 | 12.5 | 13.7 | 24 | 16.9 |
| 12 | 17.6 | 13.2 | 9.1 | 11.3 | 7.7 | 11.3 | 12.5 | 9.9 | 7.2 | 7.7 | 7.2 | 6.7 | 3.9 | 4.6 | 4.8 | 6.2 | 5.7 | 10.6 | 15.2 | 14.5 | 15.7 | 14.9 | 20.2 | 23.8 | 24 | 23.8 |
| 13 | 19.0IT | 23.6IT | 22.1IT | 18.3IT | 21.1IT | 17.8IT | 15.9IT | 16.4IT | 16.2IT | 10.6IT | 7.9IT | 10.6IT | 5.9IT | 4.0IT | 8.6IT | 7.9IT | 5.3IT | 12.7IT | 14.2IT | 18.7IT | 20.4IT | 18.7IT | 18.1IT | 21.6IT | 24 | 23.6 |
| 14 | 21.9 | 21.4 | 13.8 | 17.6 | 10.4 | 19.5 | 11.6 | 11.8 | 12.3 | 9.2 | 9.4 | 9.2 | 6.2 | 10.8 | 9.6 | 7.2 | 10.9 | 10.6 | 11.4 | 8.7 | 10.9 | 9.6 | 9.9 | 7.9 | 24 | 21.9 |
| 15 | 8.2IT | 8.2IT | 7.4IT | 6.2IT | 7.7IT | 8.9IT | 12.8IT | 14.2IT | 9.9IT | 11.1IT | 8.9IT | 7.7IT | 17.9IT | 16.4IT | 19.4IT | 17.6IT | 23.3IT | 27.5IT | 30.0IT | 31.4IT | 31.6IT | 37.2IT | 34.5IT | 30.7IT | 24 | 37.2 |
| 16 | 34.1IT | 33.3IT | 31.4IT | 31.0IT | 30.7IT | 33.8IT | 33.8IT | 35.3IT | 32.8IT | 24.4IT | 21.6IT | 13.0IT | 12.5IT | 11.3IT | 15.9IT | 9.6IT | 12.0IT | 25.3IT | 22.6IT | 28.0IT | 32.6IT | 34.8IT | 36.8IT | 34.0IT | 24 | 36.8 |
| 17 | 26.8IT | 28.7IT | 18.3IT | 17.9IT | 18.1IT | 21.1IT | 23.1IT | 20.9IT | 18.5IT | 20.7IT | 18.7IT | AX | AX | BA | BA | 12.7IT | 15.9IT | 19.7IT | 22.6IT | 25.0IT | 28.0IT | 24.6IT | 30.0IT | 29.2IT | 20 | 30.0 |
| 18 | 25.8IT | 24.6IT | 24.4IT | 24.1IT | 19.5IT | 18.1IT | 21.2IT | 21.4IT | 23.6IT | 19.7IT | 25.5IT | 26.7IT | 43.3IT | 47.1IT | 43.5IT | 48.5IT | 77.2IT | 93.2IT | 87.5IT | 92.0IT | 92.0IT | 95.9IT | 94.2IT | 94.7IT | 24 | 95.9 |
| 19 | 90.2IT | 92.7IT | 83.3IT | 78.0IT | 70.9IT | 66.0IT | 66.6IT | 55.7IT | 47.1IT | 36.0IT | 15.9IT | 15.7IT | 15.2IT | 13.7IT | 10.3IT | 24.1IT | 4.8IT | 7.3IT | 11.8IT | 12.1IT | 11.0IT | 9.6IT | 9.1IT | 10.9IT | 24 | 92.7 |
| 20 | 12.1 6 | 7.7 6 | 8.0 6 | 8.7 6 | 8.2 6 | 8.5 6 | 8.6 6 | 9.9 6 | 12.9 6 | 9.6 6 | 11.7 6 | 8.7 6 | 6.2 6 | 7.1 6 | 9.1 6 | 9.8 6 | 13.3 6 | 13.8 6 | 18.0 6 | 12.5 6 | 8.3 6 | 8.2 | 7.4 | 9.2 | 24 | 18.0 |
| 21 | 11.1 | 15.5 | 9.2 | 11.6 | 15.5 | 14.5 | 13.0 | 11.3 | 9.4 | 10.6 | 8.9 | 6.7 | 3.4 | 4.4 | 9.1 | 7.7 | 9.1 | 12.0 | 12.3 | 14.0 | 12.5 | 9.1 | 8.2 | 9.4 | 24 | 15.5 |
| 22 | 8.4 | 11.1 | 10.6 | 9.2 | 8.9 | 11.8 | 15.5 | 12.6 | 12.8 | 8.7 | 10.4 | 9.9 | 13.5 | 9.1 | 5.1 | 6.4 | 11.1 | 9.9 | 16.5 | 14.0 | 17.1 | 21.1 | 22.4 | 19.0 | 24 | 22.4 |
| 23 | 20.0IT | 18.5IT | 18.5IT | 18.4IT | 18.4IT | 17.4IT | 18.6IT | 16.2IT | 19.2IT | 20.7IT | 18.3IT | 20.2IT | 15.9IT | 16.1IT | 16.4IT | 13.0IT | 17.4IT | 18.5IT | 23.6IT | 27.8IT | 28.0IT | 32.1IT | 28.0IT | 28.3IT | 24 | 32.1 |
| 24 | 27.3IT | 21.4IT | 24.1IT | 23.6IT | 27.8IT | 17.9IT | 26.3IT | 18.5IT | 25.8IT | 21.4IT | 20.2IT | 20.0IT | 14.7IT | 12.8IT | 12.3IT | 14.0IT | 15.2IT | 16.4IT | 21.1IT | 18.7IT | 16.9IT | 20.7IT | 22.9IT | 21.6IT | 24 | 27.8 |
| 25 | 21.6IT | 21.6IT | 26.0IT | 24.1IT | 24.8IT | 32.9IT | 26.5IT | 24.8IT | 23.4IT | 28.2IT | 20.4IT | 15.9IT | 15.9IT | 14.5IT | 15.9IT | 11.6IT | 13.7IT | 15.4IT | 21.1IT | 18.8IT | 21.4IT | 25.5IT | 23.3IT | 20.4IT | 24 | 32.9 |
| 26 | 27.2IT | 27.5IT | 24.1IT | 16.9IT | 13.3IT | 17.6IT | 22.1IT | 27.0IT | 22.9IT | 15.0IT | 10.9IT | 11.6IT | 9.4IT | 7.4IT | 10.9IT | 8.7IT | 6.7IT | 9.9IT | 10.1IT | 9.6IT | 10.6IT | 12.3IT | 10.1IT | 11.4IT | 24 | 27.5 |
| 27 | 13.0IT | 15.7IT | 15.0IT | 13.0IT | 15.0IT | 12.5IT | 15.5IT | 17.2IT | 12.0IT | 8.9IT | 8.2IT | 8.6IT | 13.7IT | 9.8IT | 10.6IT | 8.9IT | 8.7IT | 21.9IT | 15.7IT | 32.4IT | 29.5IT | 25.8IT | 29.7IT | 29.7IT | 24 | 32.4 |
| 28 | 26.6IT | 29.5IT | 31.4IT | 21.6IT | 21.6IT | 17.0IT | 22.4IT | 23.9IT | 19.5IT | 20.7IT | 18.4IT | 19.7IT | 12.8IT | AX | BA | BA | 11.1IT | 18.6IT | 22.4IT | 18.8IT | 10.4IT | 8.7IT | 8.7IT | 9.2IT | 21 | 31.4 |
| 29 | 5.6 | 5.2 | 7.7 | 5.6 | 11.2 | 8.2 | 9.5 | 6.8 | 6.5 | 12.3 | 12.1 | 7.0 | 4.6 | 7.9 | 4.9 | 8.0 | 8.4 | 12.1 | 9.7 | 7.2 | 9.2 | 8.7 | 6.7 | 7.2 | 24 | 12.3 |
| 30 | 8.9 | 6.3 | 7.2 | 5.8 | 2.7 | 9.9 | 8.4 | 9.2 | 8.7 | 7.9 | 6.0 | 10.4 | 7.5 | 5.8 | 7.2 | 5.1 | 5.1 | 10.4 | 9.1 | 8.9 | 5.1 | 1.9 | 1.9 | 3.7 | 24 | 10.4 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 27 | 27 | 28 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 90.2 | 92.7 | 83.3 | 78.0 | 70.9 | 66.0 | 66.6 | 55.7 | 47.1 | 36.0 | 40.1 | 38.4 | 43.3 | 47.1 | 43.5 | 48.5 | 77.2 | 93.2 | 87.5 | 92.0 | 92.0 | 95.9 | 94.2 | 94.7 | | |
| AVG: | 19.73 | 19.31 | 18.16 | 17.23 | 16.23 | 16.88 | 17.70 | 16.68 | 15.97 | 14.25 | 12.95 | 12.06 | 11.31 | 10.87 | 10.75 | 10.55 | 12.65 | 16.14 | 17.99 | 18.99 | 19.06 | 19.44 | 19.40 | 19.37 | | |

MONTHLY OBSERVATIONS: 709 MONTHLY MEAN: 16.06 MONTHLY MAX: 95.9

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.

(88101) PM2.5 - Local Conditions

SITE ID: 37-183-0014 POC: 3
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS: BAM SAMPLER TO BE OPERATED FOR 700 DAYS THEN REEVALUATED

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT: 2.62

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: Multiple Monitor Types
COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: DECEMBER 2016

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 5

| DAY | HOUR 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 | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.1 | 5.8 | 4.6 | 4.4 | 4.1 | 7.4 | 6.2 | 10.6 | 9.9 | 9.6 | 9.4 | 7.0 | 9.2 | 7.9 | 9.2 | 7.2 | 7.9 | 9.4 | 10.9 | 12.1 | 16.2 | 13.5 | 12.6 | 11.4 | 24 | 16.2 |
| 2 | 15.3 | 11.8 | 10.4 | 9.2 | 9.0 | 10.9 | 16.0 | 14.5 | 13.3 | 9.9 | 6.5 | 8.2 | 8.4 | 10.4 | 10.6 | 8.4 | 5.8 | 11.1 | 14.0 | 21.7 | 16.5 | 11.8 | 12.6 | 14.3 | 24 | 21.7 |
| 3 | 13.5 | 9.9 | 15.5 | 13.1 | 11.8 | 16.0 | 9.4 | 10.4 | 8.5 | 7.7 | 7.7 | 7.7 | 7.3 | 7.2 | 8.4 | 7.0 | 9.4 | 11.1 | 13.3 | 9.4 | 9.4 | 14.8 | 13.3 | 14.5 | 24 | 16.0 |
| 4 | 17.0 | 18.2 | 14.3 | 11.1 | 13.3 | 13.8 | 14.5 | 16.2 | 12.3 | 12.3 | 17.6 | 15.0 | 13.8 | 13.0 | 15.5 | 13.3 | 15.5 | 20.0 | 17.2 | 11.4 | 17.9 | 16.9 | 17.2 | 17.4 | 24 | 20.0 |
| 5 | 16.0 | 17.9 | 13.0 | 7.7 | 8.7 | 7.9 | 7.7 | 7.7 | 13.3 | 10.1 | 8.7 | 12.8 | 12.3 | 7.4 | 9.6 | 6.5 | 5.8 | 7.7 | 6.2 | 7.7 | 7.5 | 5.8 | 7.5 | 11.4 | 24 | 17.9 |
| 6 | 10.9 | 13.0 | 10.9 | 11.6 | 11.6 | 16.0 | 12.8 | 13.5 | 9.9 | 9.2 | 14.0 | 8.4 | 8.9 | 5.4 | 1.7 | 5.5 | 4.9 | 3.2 | 2.9 | 3.9 | 6.0 | 4.6 | 7.0 | 6.0 | 24 | 16.0 |
| 7 | 12.3 | 11.3 | 15.0 | 8.9 | 12.5 | 10.4 | 7.5 | 10.6 | 12.5 | 9.6 | 6.5 | 5.3 | 5.1 | 5.1 | 6.2 | 7.4 | 7.2 | 12.5 | 11.1 | 15.2 | 17.4 | 18.7 | 20.7 | 15.2 | 24 | 20.7 |
| 8 | 17.9 | 16.7 | 14.5 | 12.3 | 10.9 | 11.1 | 13.7 | 18.1 | 18.5 | 16.7 | AX | BA | BA | 9.6 | 8.2 | 7.9 | 7.9 | 10.9 | 9.9 | 10.6 | 16.9 | 10.6 | 10.6 | 7.5 | 21 | 18.5 |
| 9 | 15.2 | 8.9 | 7.2 | 10.1 | 10.4 | 10.9 | 11.6 | 12.5 | 13.5 | 12.8 | 10.9 | 8.2 | 9.9 | 9.6 | 9.4 | 7.7 | 10.1 | 10.4 | 12.3 | 13.5 | 15.9 | 13.0 | 11.1 | 16.7 | 24 | 16.7 |
| 10 | 10.1 | 13.8 | 12.8 | 9.6 | 12.6 | 10.9 | 14.3 | 10.4 | 17.4 | 11.8 | 12.0 | 9.6 | 12.1 | 10.1 | 14.3 | 10.4 | 8.4 | 11.4 | 13.0 | 19.2 | 16.7 | 25.1 | 27.5 | 32.4 | 24 | 32.4 |
| 11 | 32.4 | 37.8 | 32.8 | 31.0 | 36.1 | 26.8 | 31.5 | 31.9 | 30.0 | 20.0 | 16.0 | 7.2 | 8.7 | 12.5 | 10.1 | 12.6 | 9.9 | 15.0 | 15.5 | 11.6 | 14.0 | 22.1 | 17.9 | 15.5 | 24 | 37.8 |
| 12 | 20.0 | 16.9 | 19.7 | 17.9 | 16.2 | 15.2 | 18.3 | 17.2 | 20.9 | 18.5 | 17.9 | 15.5 | 16.9 | 15.3 | 13.8 | 21.2 | 12.1 | 17.2 | 20.7 | 17.9 | 16.5 | 22.6 | 23.4 | 21.9 | 24 | 23.4 |
| 13 | 25.8 | 16.9 | 10.4 | 10.4 | 11.8 | 11.2 | 10.4 | 18.4 | 18.5 | 10.7 | 18.0 | 11.0 | 17.0 | 13.0 | 16.0 | 13.0 | 13.0 | 13.0 | 20.0 | 17.0 | 21.0 | 16.0 | 23.0 | 20.0 | 24 | 25.8 |
| 14 | 20.0 | 22.0 | 18.0 | 16.0 | 18.0 | 17.0 | 18.0 | 18.0 | 15.0 | 13.0 | 9.0 | 8.0 | 7.0 | 6.0 | 10.0 | 9.0 | 10.0 | 16.0 | 16.0 | 19.0 | 19.0 | 25.0 | 23.0 | 21.0 | 24 | 25.0 |
| 15 | 23.0 | 18.0 | 20.0 | 20.0 | 21.0 | 18.0 | 21.0 | 12.0 | 13.0 | 11.1 | 9.9 | 9.0 | 7.3 | 7.2 | 12.3 | 9.0 | 8.2 | 12.4 | 11.4 | 8.5 | 10.2 | 11.4 | 10.2 | 9.3 | 24 | 23.0 |
| 16 | 9.7 | 9.5 | 7.3 | 10.2 | 10.7 | 9.5 | 11.2 | 15.1 | 11.4 | 11.2 | 10.5 | 10.2 | 10.7 | 10.2 | 10.0 | 10.9 | 14.1 | 11.2 | 10.4 | 12.6 | 11.4 | 11.9 | 12.3 | 12.4 | 24 | 15.1 |
| 17 | 10.9 | 14.8 | 16.1 | 16.5 | 12.9 | 14.8 | 19.3 | 19.6 | 21.3 | 22.7 | 21.0 | 22.0 | 20.0 | 14.8 | 17.9 | 14.6 | 18.8 | 21.7 | 27.3 | 27.1 | 24.5 | 23.5 | 26.6 | 25.4 | 24 | 27.3 |
| 18 | 25.7 | 15.6 | 17.2 | 9.3 | 12.7 | 12.7 | 8.1 | 7.8 | 5.3 | 3.5 | 5.8 | 8.8 | 5.1 | 4.9 | 9.0 | 8.5 | 7.5 | 6.1 | 7.8 | 6.1 | 10.0 | 8.0 | 6.6 | 11.2 | 24 | 25.7 |
| 19 | 6.8 | 5.1 | 12.4 | 13.1 | 13.6 | 11.5 | 16.1 | 14.9 | 17.7 | 12.2 | 15.6 | 12.7 | 11.5 | 15.5 | 12.4 | 15.8 | 9.5 | 9.0 | 10.7 | 9.8 | 11.9 | 11.0 | 14.6 | 12.2 | 24 | 17.7 |
| 20 | 12.4 | 10.5 | 11.5 | 13.4 | 14.9 | 12.6 | 14.9 | 16.6 | 11.4 | 12.9 | 13.4 | AX | AX | BA | BA | 10.7 | 11.0 | 13.1 | 11.4 | 13.4 | 15.6 | 22.7 | 25.4 | 18.6 | 20 | 25.4 |
| 21 | 18.6 | 17.0 | 16.6 | 18.8 | 19.1 | 19.6 | 26.4 | 19.6 | 22.7 | 16.8 | 14.6 | 12.1 | 9.5 | 7.3 | 6.3 | 7.3 | 10.7 | 16.6 | 14.9 | 19.3 | 18.4 | 13.6 | 20.1 | 17.9 | 24 | 26.4 |
| 22 | 20.1 | 15.8 | 18.8 | 19.3 | 17.4 | 17.4 | 13.3 | 18.8 | 17.9 | 21.5 | 20.3 | 16.0 | 15.5 | 10.9 | 10.7 | 14.8 | 10.5 | 13.8 | 16.1 | 17.4 | 10.7 | 11.2 | 14.8 | 14.1 | 24 | 21.5 |
| 23 | 14.6 | 11.2 | 12.1 | 12.1 | 14.6 | 16.4 | 16.3 | 17.1 | 18.6 | 19.5 | 14.1 | 16.0 | 14.8 | 15.3 | 10.0 | 13.1 | 12.3 | 15.5 | 16.5 | 22.7 | 21.0 | 19.8 | 22.4 | 18.1 | 24 | 22.7 |
| 24 | 21.7 | 20.5 | 16.7 | 19.5 | 19.5 | 16.0 | 21.5 | 20.7 | 17.1 | 18.3 | 17.6 | 19.8 | 24.2 | 16.0 | 14.8 | 16.5 | 14.1 | 23.4 | 17.6 | 25.4 | 23.2 | 26.4 | 26.4 | 20.7 | 24 | 26.4 |
| 25 | 25.6 | 24.6 | 21.9 | 19.8 | 22.2 | 20.7 | 18.6 | 17.4 | 12.6 | 13.3 | 14.1 | 15.3 | 10.9 | 12.1 | 7.8 | 6.1 | 11.4 | 15.3 | 13.6 | 9.2 | 14.3 | 11.8 | 8.7 | 7.5 | 24 | 25.6 |
| 26 | 11.2 | 10.7 | 8.7 | 10.5 | 13.3 | 13.8 | 13.3 | 8.3 | 9.2 | 10.0 | 9.2 | 11.0 | 11.2 | 11.7 | 9.2 | 12.6 | 10.9 | 11.2 | 13.1 | 13.6 | 13.6 | 19.8 | 23.7 | 18.6 | 24 | 23.7 |
| 27 | 14.4 | 15.1 | 10.7 | 9.0 | 12.1 | 9.0 | 5.4 | 7.5 | 7.3 | 7.5 | 5.8 | 5.3 | 4.9 | 5.3 | 8.0 | 12.1 | 12.1 | 10.7 | 6.8 | 8.9 | 13.5 | 9.0 | 7.7 | 6.3 | 24 | 15.1 |
| 28 | 4.8 | 10.9 | 10.5 | 9.2 | 8.5 | 10.9 | 9.7 | 7.0 | 9.2 | 8.2 | 6.8 | 5.3 | 7.5 | 6.7 | 6.0 | 4.1 | 10.6 | 16.9 | 12.1 | 17.3 | 16.5 | 20.5 | 25.3 | 18.3 | 24 | 25.3 |
| 29 | 16.2 | 18.3 | 16.5 | 16.6 | 11.8 | 18.1 | 13.0 | 8.7 | 14.3 | 13.1 | 18.3 | 11.8 | 12.8 | 11.8 | 7.9 | 8.5 | 7.5 | 6.8 | 8.9 | 8.2 | 7.0 | 7.5 | 8.0 | 8.0 | 24 | 18.3 |
| 30 | 9.0 | 9.9 | 8.2 | 5.3 | 8.0 | 8.7 | 8.0 | 8.2 | 8.2 | 6.5 | 4.6 | 9.7 | 15.8 | 7.0 | 7.0 | 6.3 | 8.7 | 9.7 | 9.0 | 7.7 | 8.7 | 10.4 | 14.3 | 23.2 | 24 | 23.2 |
| 31 | 22.9 | 18.3 | 17.4 | 18.1 | 22.2 | 20.0 | 18.1 | 17.2 | 14.8 | 11.9 | 9.7 | 6.0 | 6.8 | 6.0 | 8.0 | 13.3 | 15.3 | 6.5 | 11.1 | 10.4 | 12.4 | 12.6 | 12.8 | 11.4 | 24 | 22.9 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 29 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 32.4 | 37.8 | 32.8 | 31.0 | 36.1 | 26.8 | 31.5 | 31.9 | 30.0 | 22.7 | 21.0 | 22.0 | 24.2 | 16.0 | 17.9 | 21.2 | 18.8 | 23.4 | 27.3 | 27.1 | 24.5 | 26.4 | 27.5 | 32.4 | | |
| AVG: | 16.10 | 15.05 | 14.25 | 13.35 | 14.24 | 14.04 | 14.39 | 14.40 | 14.37 | 12.65 | 12.18 | 10.86 | 11.21 | 9.84 | 10.01 | 10.36 | 10.36 | 12.54 | 12.96 | 13.80 | 14.64 | 15.21 | 16.36 | 15.43 | | |

MONTHLY OBSERVATIONS: 737 MONTHLY MEAN: 13.30 MONTHLY MAX: 37.8

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.

QUALIFIER CODES:

| Qualifier Code | Qualifier Description | Qualifier Type |
|---|---|---|
| 2 | Operational Deviation | QA |
| 6 | QAPP Issue | QA |
| AG | Sample Time out of Limits | NULL |
| AH | Sample Flow Rate or CV out of Limits | NULL |
| AI | Insufficient Data (cannot calculate) | NULL |
| AJ | Filter Damage | NULL |
| AN | Machine Malfunction | NULL |
| AQ | Collection Error | NULL |
| AS | Poor Quality Assurance Results | NULL |
| AT | Calibration | NULL |
| AV | Power Failure | NULL |
| AX | Precision Check | NULL |
| AZ | Q C Audit | NULL |
| BA | Maintenance/Routine Repairs | NULL |
| BC | Multi-point Calibration | NULL |
| BE | Building/Site Repair | NULL |
| BJ | Operator Error | NULL |
| BK | Site computer/data logger down | NULL |
| DL | Detection Limit Analyses | NULL |
| IK | Infrequent Large Gatherings | INFORM |
| IT | Wildfire-U. S. | INFORM |
| MD | Value less than MDL | QA |
| NS | Influenced by nearby source | QA |
| SA | Storm Approaching | NULL |
| TS | Holding Time Or Transport Temperature Is Out Of Specs. | NULL |
| TT | Transport Temperaure is Out of Specs. | QA |
| V | Validated Value | QA |
| X | Filter Temperature Difference or Average out of Spec. | QA |

Note: Qualifier codes with regional concurrence are shown in upper case,
and those without regional concurrence are shown in lower case.