

User ID: XJBAPAT

RAW DATA REPORT

Report Request ID: 1395331

Report Code: AMP350

Dec. 15, 2015

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                 | 42602     |        |          |

SELECTED OPTIONS

| Option Type      | Option Value   |
|------------------|----------------|
| RAW DATA EVENTS  | INCLUDE EVENTS |
| DAILY STATISTICS | MAXIMUM        |
| UNITS            | STANDARD       |
| MERGE PDF FILES  | YES            |
| INCLUDE NULLS    | 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   |
|------------|------------|
| 2010 01 01 | 2010 12 31 |

APPLICABLE STANDARDS

| Standard Description |
|----------------------|
| NO2 Annual 1971      |

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022 POC: 1  
 COUNTY: (067) Forsyth  
 CITY: (75000) Winston-Salem  
 SITE ADDRESS: 1300 BLK. HATTIE AVENUE  
 SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.  
 MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina  
 AQCR: (136) NORTHERN PIEDMONT  
 URBANIZED AREA: (9220) WINSTON-SALEM, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0  
 LATITUDE: 36.110556  
 LONGITUDE: -80.226667  
 UTM ZONE: 17  
 UTM NORTHING: 3996287  
 UTM EASTING: 569604  
 ELEVATION-MSL: 284  
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JANUARY 2010

DURATION: 1 HOUR  
 UNITS: Parts per billion  
 MIN DETECTABLE: .05

| 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   | BD   | 8.0   | 7.0   | 8.0   | 10.0  | 12.0  | 11.0  | 12.0  | 9.0   | 6.0  | 3.0  | 3.0  | 3.0  | 2.0  | 3.0  | 4.0  | 5.0   | 6.0   | 5.0   | 5.0   | 4.0   | 4.0   | 3.0   | 23   | 12.0    |
| 2    | 4.0   | BD   | 4.0   | 2.0   | 2.0   | 3.0   | 4.0   | 4.0   | 4.0   | 3.0   | 3.0  | 2.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0   | 6.0   | 5.0   | 4.0   | 8.0   | 6.0   | 6.0   | 23   | 8.0     |
| 3    | 6.0   | BD   | 4.0   | 5.0   | 6.0   | 6.0   | 8.0   | 7.0   | 5.0   | 3.0   | 2.0  | 2.0  | 2.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0   | 5.0   | 4.0   | 5.0   | 5.0   | 4.0   | 4.0   | 23   | 8.0     |
| 4    | 4.0   | BD   | 8.0   | 8.0   | 10.0  | 15.0  | 17.0  | 18.0  | 13.0  | 6.0   | 4.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 6.0  | 9.0   | 8.0   | 7.0   | 7.0   | 7.0   | 10.0  | 14.0  | 23   | 18.0    |
| 5    | 15.0  | BD   | 14.0  | 12.0  | 20.0  | 33.0  | 28.0  | 28.0  | 22.0  | 7.0   | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 7.0  | 9.0   | 8.0   | 6.0   | BF    | BF    | BF    | BF    | 19   | 33.0    |
| 6    | 8.0   | BD   | 4.0   | 4.0   | 4.0   | 4.0   | 6.0   | 11.0  | 7.0   | 5.0   | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 4.0  | 6.0  | 10.0  | 8.0   | 9.0   | 11.0  | 12.0  | 13.0  | 15.0  | 23   | 15.0    |
| 7    | 21.0  | BD   | 29.0  | 29.0  | 27.0  | 31.0  | 30.0  | 30.0  | 29.0  | 16.0  | 10.0 | 13.0 | 12.0 | 10.0 | 10.0 | 9.0  | 17.0 | 32.0  | 35.0  | 30.0  | 24.0  | 13.0  | 9.0   | 6.0   | 23   | 35.0    |
| 8    | 8.0   | BD   | 8.0   | 6.0   | 6.0   | 5.0   | 5.0   | 5.0   | 7.0   | 5.0   | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 6.0  | 8.0  | 11.0  | 14.0  | 11.0  | 11.0  | 11.0  | 11.0  | 11.0  | 23   | 14.0    |
| 9    | 12.0  | BD   | 8.0   | 8.0   | 8.0   | 9.0   | 10.0  | 11.0  | 7.0   | 6.0   | 5.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0  | 8.0   | 9.0   | 10.0  | 11.0  | 13.0  | 14.0  | 14.0  | 23   | 14.0    |
| 10   | 16.0  | BD   | 13.0  | 13.0  | 11.0  | 17.0  | 12.0  | 14.0  | 10.0  | 6.0   | 5.0  | 3.0  | 2.0  | 2.0  | 3.0  | 3.0  | 5.0  | 7.0   | 15.0  | 12.0  | 11.0  | 8.0   | 8.0   | 10.0  | 23   | 17.0    |
| 11   | 9.0   | BD   | 13.0  | 13.0  | 24.0  | 31.0  | 40.0  | 36.0  | 35.0  | 30.0  | 20.0 | 12.0 | 9.0  | 9.0  | 9.0  | 13.0 | 22.0 | 34.0  | 38.0  | 35.0  | 31.0  | 36.0  | 25.0  | 23    | 40.0 |         |
| 12   | 19.0  | BD   | 7.0   | 10.0  | 16.0  | 13.0  | 17.0  | 17.0  | 16.0  | 16.0  | 7.0  | 8.0  | 7.0  | 6.0  | 6.0  | 5.0  | 7.0  | 11.0  | 15.0  | 10.0  | 9.0   | 13.0  | 13.0  | 10.0  | 23   | 19.0    |
| 13   | 9.0   | BD   | 15.0  | 16.0  | 15.0  | 20.0  | 31.0  | 30.0  | 28.0  | 15.0  | 22.0 | 13.0 | 7.0  | 5.0  | 7.0  | 8.0  | 11.0 | 26.0  | 41.0  | 41.0  | 39.0  | 37.0  | 34.0  | 33.0  | 23   | 41.0    |
| 14   | 30.0  | BD   | 32.0  | 36.0  | 34.0  | 37.0  | 32.0  | 32.0  | 30.0  | 25.0  | 14.0 | 18.0 | 18.0 | 17.0 | 12.0 | 13.0 | 23.0 | 41.0  | 43.0  | 43.0  | 42.0  | 41.0  | 40.0  | 39.0  | 23   | 43.0    |
| 15   | 38.0  | BD   | 33.0  | 35.0  | 37.0  | 34.0  | 35.0  | 34.0  | 42.0  | 29.0  | 28.0 | 28.0 | 26.0 | 12.0 | 5.0  | 9.0  | 13.0 | 32.0  | 45.0  | 44.0  | 47.0  | 44.0  | 43.0  | 42.0  | 23   | 47.0    |
| 16   | 42.0  | BD   | 42.0  | 44.0  | 39.0  | 37.0  | 34.0  | 35.0  | 33.0  | 26.0  | 32.0 | 40.0 | 32.0 | 24.0 | 20.0 | 16.0 | 19.0 | 32.0  | 47.0  | 48.0  | 43.0  | 39.0  | 34.0  | 30.0  | 23   | 48.0    |
| 17   | 19.0  | BD   | 7.0   | 7.0   | 7.0   | 6.0   | 6.0   | 6.0   | 7.0   | 7.0   | 5.0  | 7.0  | 7.0  | 5.0  | 6.0  | 6.0  | 7.0  | 8.0   | 8.0   | 9.0   | 15.0  | 16.0  | 13.0  | 7.0   | 23   | 19.0    |
| 18   | 5.0   | BD   | 6.0   | 9.0   | 13.0  | 12.0  | 15.0  | 27.0  | 28.0  | 17.0  | 5.0  | 3.0  | 3.0  | 2.0  | 3.0  | 4.0  | 6.0  | 16.0  | 37.0  | BF    | BF    | 33.0  | 36.0  | 32.0  | 21   | 37.0    |
| 19   | 33.0  | BD   | 31.0  | 30.0  | 31.0  | 29.0  | 31.0  | 33.0  | 30.0  | 26.0  | 9.0  | 4.0  | 3.0  | 3.0  | 4.0  | 5.0  | 9.0  | 22.0  | 35.0  | 33.0  | 43.0  | 41.0  | 39.0  | 36.0  | 23   | 43.0    |
| 20   | 37.0  | BD   | 37.0  | 32.0  | 31.0  | 25.0  | 32.0  | 32.0  | 29.0  | 31.0  | 26.0 | 25.0 | 28.0 | 26.0 | 20.0 | 28.0 | 23.0 | 22.0  | 16.0  | 10.0  | 9.0   | 9.0   | 8.0   | 8.0   | 23   | 37.0    |
| 21   | 10.0  | BD   | 7.0   | 7.0   | 6.0   | 5.0   | 6.0   | 7.0   | 7.0   | 6.0   | 6.0  | 6.0  | 7.0  | 7.0  | 7.0  | 7.0  | 8.0  | 8.0   | 7.0   | 7.0   | 6.0   | 6.0   | 5.0   | 5.0   | 23   | 10.0    |
| 22   | 5.0   | BD   | 4.0   | 3.0   | 3.0   | 2.0   | 3.0   | 4.0   | 4.0   | 3.0   | 4.0  | 5.0  | 4.0  | 3.0  | 3.0  | 5.0  | 5.0  | 6.0   | 7.0   | 6.0   | 7.0   | 5.0   | 3.0   | 3.0   | 23   | 7.0     |
| 23   | 2.0   | BD   | 2.0   | 2.0   | 2.0   | 3.0   | 4.0   | 4.0   | 4.0   | 7.0   | 8.0  | 10.0 | 10.0 | 8.0  | 8.0  | 8.0  | 10.0 | 14.0  | 20.0  | 14.0  | 13.0  | 16.0  | 16.0  | 15.0  | 23   | 20.0    |
| 24   | 13.0  | BD   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 4.0   | 5.0   | 8.0  | 6.0  | 6.0  | 9.0  | 12.0 | 8.0  | 9.0  | 9.0   | 2.0   | 2.0   | 1.0   | 1.0   | 2.0   | 1.0   | 23   | 13.0    |
| 25   | 2.0   | BD   | 1.0   | 2.0   | 1.0   | 1.0   | 3.0   | 4.0   | 6.0   | 7.0   | 5.0  | 4.0  | 4.0  | 4.0  | 3.0  | 4.0  | 5.0  | 6.0   | 5.0   | 4.0   | 2.0   | 2.0   | 2.0   | 2.0   | 23   | 7.0     |
| 26   | 2.0   | BD   | 2.0   | 3.0   | 6.0   | 13.0  | 14.0  | 15.0  | 12.0  | 8.0   | 3.0  | 3.0  | 3.0  | 2.0  | 3.0  | 3.0  | 4.0  | 5.0   | 5.0   | 4.0   | 5.0   | 4.0   | 7.0   | 4.0   | 23   | 15.0    |
| 27   | 5.0   | BD   | 11.0  | 17.0  | 19.0  | 20.0  | 24.0  | 21.0  | 17.0  | 11.0  | 5.0  | 4.0  | 3.0  | 3.0  | 4.0  | 4.0  | 5.0  | 11.0  | 31.0  | 34.0  | 33.0  | 35.0  | 34.0  | 30.0  | 23   | 35.0    |
| 28   | 27.0  | BD   | 25.0  | 24.0  | 24.0  | 21.0  | 21.0  | 23.0  | 21.0  | 21.0  | 18.0 | 15.0 | 13.0 | 7.0  | 4.0  | 4.0  | 6.0  | 9.0   | 18.0  | 11.0  | 11.0  | 15.0  | 8.0   | 6.0   | 23   | 27.0    |
| 29   | 4.0   | BD   | 2.0   | 2.0   | 2.0   | 2.0   | 4.0   | 6.0   | 5.0   | 4.0   | 3.0  | 3.0  | 4.0  | 4.0  | 4.0  | 7.0  | 8.0  | 8.0   | 10.0  | 11.0  | 10.0  | 7.0   | 5.0   | 4.0   | 23   | 11.0    |
| 30   | 4.0   | BD   | 4.0   | 3.0   | 3.0   | 2.0   | 3.0   | 4.0   | 5.0   | 4.0   | 4.0  | 3.0  | 3.0  | 3.0  | 4.0  | 3.0  | 3.0  | 3.0   | 2.0   | 2.0   | 2.0   | 3.0   | 3.0   | 3.0   | 23   | 5.0     |
| 31   | 5.0   | BD   | 11.0  | 12.0  | 17.0  | 11.0  | 31.0  | 29.0  | 17.0  | 8.0   | 9.0  | 8.0  | 6.0  | 4.0  | 5.0  | 5.0  | 4.0  | 11.0  | 22.0  | 26.0  | 40.0  | 31.0  | 27.0  | 34.0  | 23   | 40.0    |
| NO.: | 31    |      | 31    | 31    | 31    | 31    | 31    | 31    | 31    | 31    | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31    | 31    | 30    | 29    | 30    | 30    | 30    |      |         |
| MAX: | 42.0  |      | 42.0  | 44.0  | 39.0  | 37.0  | 40.0  | 36.0  | 42.0  | 31.0  | 32.0 | 40.0 | 32.0 | 26.0 | 20.0 | 28.0 | 23.0 | 41.0  | 47.0  | 48.0  | 47.0  | 44.0  | 43.0  | 42.0  |      |         |
| AVG: | 13.65 |      | 12.81 | 13.10 | 14.10 | 14.90 | 16.87 | 17.52 | 16.00 | 12.00 | 9.29 | 8.58 | 7.81 | 6.52 | 6.10 | 6.58 | 8.45 | 13.65 | 18.19 | 16.53 | 17.28 | 17.00 | 16.23 | 15.07 |      |         |

MONTHLY OBSERVATIONS: 707 MONTHLY MEAN: 12.93 MONTHLY MAX: 48.0

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42602) Nitrogen dioxide (NO2)

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 LONGITUDE: -80.226667  
 UTM ZONE: 17  
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 UTM EASTING: 569604  
 ELEVATION-MSL: 284  
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: FEBRUARY 2010

DURATION: 1 HOUR  
 UNITS: Parts per billion  
 MIN DETECTABLE: .05

| 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    | 21.0  | BD   | 38.0  | 37.0  | 42.0  | 44.0  | 39.0  | 40.0  | 36.0  | 32.0  | 11.0 | 5.0  | 5.0  | 8.0  | 5.0  | 6.0  | 8.0  | 22.0 | 37.0  | 49.0  | 48.0  | 47.0  | 44.0  | 39.0  | 23   | 49.0    |  |
| 2    | 34.0  | BD   | 40.0  | 43.0  | 40.0  | 38.0  | 35.0  | 30.0  | 20.0  | 17.0  | 12.0 | 9.0  | 8.0  | 7.0  | 9.0  | BF   | 11.0 | 9.0  | 8.0   | 7.0   | 7.0   | 6.0   | 6.0   | 5.0   | 22   | 43.0    |  |
| 3    | 5.0   | BD   | 15.0  | 9.0   | 6.0   | 10.0  | 23.0  | 29.0  | 29.0  | 33.0  | 13.0 | 5.0  | 4.0  | 3.0  | 3.0  | 3.0  | 5.0  | 19.0 | 22.0  | 20.0  | 7.0   | 7.0   | 9.0   | 11.0  | 23   | 33.0    |  |
| 4    | 9.0   | BD   | 7.0   | 6.0   | 5.0   | 5.0   | 7.0   | 9.0   | 7.0   | 4.0   | 4.0  | 3.0  | 4.0  | 6.0  | 7.0  | 9.0  | 11.0 | 15.0 | 23.0  | 32.0  | 31.0  | 29.0  | 29.0  | 27.0  | 23   | 32.0    |  |
| 5    | 13.0  | BD   | 7.0   | 5.0   | 4.0   | 4.0   | 4.0   | 4.0   | 3.0   | 3.0   | 3.0  | 4.0  | 5.0  | 5.0  | 5.0  | 4.0  | 5.0  | 4.0  | 5.0   | 5.0   | 6.0   | 5.0   | 4.0   | 3.0   | 23   | 13.0    |  |
| 6    | 3.0   | BD   | 2.0   | 2.0   | 2.0   | 3.0   | 3.0   | 4.0   | 4.0   | 6.0   | 8.0  | 6.0  | 6.0  | 5.0  | 5.0  | 5.0  | 4.0  | 5.0  | 5.0   | 6.0   | 8.0   | 10.0  | 9.0   | 7.0   | 23   | 10.0    |  |
| 7    | 5.0   | BD   | 4.0   | 4.0   | 6.0   | 10.0  | 13.0  | 21.0  | 16.0  | 4.0   | 2.0  | 2.0  | 1.0  | 2.0  | 2.0  | 2.0  | 2.0  | 5.0  | 12.0  | 20.0  | 18.0  | 11.0  | 26.0  | 19.0  | 23   | 26.0    |  |
| 8    | 10.0  | BD   | 9.0   | 6.0   | 4.0   | 4.0   | 6.0   | 7.0   | 6.0   | 4.0   | 3.0  | 2.0  | 2.0  | 6.0  | 9.0  | 8.0  | 7.0  | 10.0 | 13.0  | 13.0  | 12.0  | 13.0  | 14.0  | 16.0  | 23   | 16.0    |  |
| 9    | 19.0  | BD   | 12.0  | 12.0  | 12.0  | 10.0  | 12.0  | 18.0  | 16.0  | 13.0  | 14.0 | 13.0 | 13.0 | 13.0 | 14.0 | 21.0 | 27.0 | 17.0 | 15.0  | 14.0  | 12.0  | 10.0  | 10.0  | 10.0  | 23   | 27.0    |  |
| 10   | 11.0  | BD   | 5.0   | 2.0   | 2.0   | 3.0   | 4.0   | 6.0   | 9.0   | 4.0   | 4.0  | 3.0  | 2.0  | 2.0  | 2.0  | 3.0  | 4.0  | 4.0  | 5.0   | 5.0   | 4.0   | 3.0   | 3.0   | 4.0   | 23   | 11.0    |  |
| 11   | 3.0   | BD   | 4.0   | 3.0   | 4.0   | 5.0   | 5.0   | 7.0   | 7.0   | 3.0   | 2.0  | 3.0  | 2.0  | 2.0  | 3.0  | 4.0  | 5.0  | 6.0  | 7.0   | 7.0   | 9.0   | 10.0  | 6.0   | 9.0   | 23   | 10.0    |  |
| 12   | 9.0   | BD   | 6.0   | 17.0  | 16.0  | 10.0  | 16.0  | 21.0  | 26.0  | 18.0  | 3.0  | 3.0  | 2.0  | 4.0  | 6.0  | 10.0 | 11.0 | 15.0 | 21.0  | 18.0  | 17.0  | 12.0  | 11.0  | 12.0  | 23   | 26.0    |  |
| 13   | 10.0  | BD   | 6.0   | 5.0   | 8.0   | 8.0   | 13.0  | 7.0   | 5.0   | 3.0   | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 5.0  | 6.0   | 9.0   | 9.0   | 7.0   | 11.0  | 17.0  | 23   | 17.0    |  |
| 14   | 15.0  | BD   | 10.0  | 12.0  | 13.0  | 8.0   | 10.0  | 11.0  | 5.0   | 4.0   | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 3.0  | 5.0  | 20.0  | 21.0  | 18.0  | 18.0  | 23.0  | 28.0  | 23   | 28.0    |  |
| 15   | 33.0  | BD   | 29.0  | 26.0  | 27.0  | 21.0  | 25.0  | 22.0  | 19.0  | 21.0  | 17.0 | 13.0 | 11.0 | 7.0  | 7.0  | 10.0 | 12.0 | 9.0  | 8.0   | 7.0   | 5.0   | 6.0   | 4.0   | 5.0   | 23   | 33.0    |  |
| 16   | 5.0   | BD   | 3.0   | 3.0   | 4.0   | 4.0   | 5.0   | 8.0   | 8.0   | 4.0   | 3.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 5.0  | 6.0   | 6.0   | 7.0   | 11.0  | 9.0   | 10.0  | 23   | 11.0    |  |
| 17   | 13.0  | BD   | 12.0  | 12.0  | 14.0  | 14.0  | 26.0  | 23.0  | 22.0  | 6.0   | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 5.0  | 6.0  | 8.0   | 8.0   | 7.0   | 10.0  | 9.0   | 7.0   | 23   | 26.0    |  |
| 18   | 6.0   | BD   | 4.0   | 8.0   | 9.0   | 22.0  | 15.0  | 16.0  | 11.0  | 4.0   | 3.0  | 3.0  | 2.0  | 3.0  | 3.0  | 3.0  | 4.0  | 5.0  | 17.0  | 13.0  | 10.0  | 8.0   | 13.0  | 14.0  | 23   | 22.0    |  |
| 19   | 18.0  | BD   | 16.0  | 23.0  | 18.0  | 17.0  | 18.0  | 20.0  | 22.0  | 8.0   | 3.0  | 3.0  | 3.0  | 2.0  | 3.0  | 3.0  | 4.0  | 8.0  | 13.0  | 16.0  | 13.0  | 14.0  | 19.0  | 30.0  | 23   | 30.0    |  |
| 20   | 25.0  | BD   | 10.0  | 8.0   | 6.0   | 7.0   | 38.0  | 42.0  | 29.0  | 9.0   | 4.0  | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 4.0  | 25.0 | 40.0  | 40.0  | 35.0  | 41.0  | 43.0  | 23    | 43.0 |         |  |
| 21   | 42.0  | BD   | 40.0  | 40.0  | 36.0  | 34.0  | 37.0  | 34.0  | 29.0  | 16.0  | 11.0 | 7.0  | 4.0  | 4.0  | 3.0  | 3.0  | 4.0  | 7.0  | 17.0  | 26.0  | 31.0  | 24.0  | 16.0  | 13.0  | 23   | 42.0    |  |
| 22   | 12.0  | BD   | 5.0   | 6.0   | 9.0   | 7.0   | 23.0  | 20.0  | 38.0  | 36.0  | 13.0 | 21.0 | 29.0 | 18.0 | 12.0 | 13.0 | 12.0 | 13.0 | 11.0  | 8.0   | 10.0  | 9.0   | 8.0   | 9.0   | 23   | 38.0    |  |
| 23   | 6.0   | BD   | 5.0   | 5.0   | 8.0   | 5.0   | 7.0   | 15.0  | 23.0  | 26.0  | 22.0 | BF   | BF   | BF   | BF   | BF   | BF   | AN   | AN    | AN    | AN    | AN    | AN    | AN    | 10   | 26.0    |  |
| 24   | AN    | 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       |  |
| 25   | AN    | 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       |  |
| 26   | AN    | 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       |  |
| 27   | AN    | 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       |  |
| 28   | AN    | 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       |  |
| 29   |       |      |       |       |       |       |       |       |       |       |      |      |      |      |      |      |      |      |       |       |       |       |       |       |      | 0       |  |
| 30   |       |      |       |       |       |       |       |       |       |       |      |      |      |      |      |      |      |      |       |       |       |       |       |       |      | 0       |  |
| 31   |       |      |       |       |       |       |       |       |       |       |      |      |      |      |      |      |      |      |       |       |       |       |       |       |      | 0       |  |
| NO.: | 23    |      | 23    | 23    | 23    | 23    | 23    | 23    | 23    | 23    | 23   | 22   | 22   | 22   | 22   | 21   | 22   | 22   | 22    | 22    | 22    | 22    | 22    | 22    | 22   |         |  |
| MAX: | 42.0  |      | 40.0  | 43.0  | 42.0  | 44.0  | 39.0  | 42.0  | 38.0  | 36.0  | 22.0 | 21.0 | 29.0 | 18.0 | 14.0 | 21.0 | 27.0 | 22.0 | 37.0  | 49.0  | 48.0  | 47.0  | 44.0  | 43.0  |      |         |  |
| AVG: | 14.22 |      | 12.57 | 12.78 | 12.83 | 12.74 | 16.70 | 18.00 | 16.96 | 12.09 | 7.09 | 5.41 | 5.23 | 4.95 | 5.05 | 5.76 | 6.95 | 9.00 | 13.82 | 15.91 | 14.95 | 13.86 | 14.73 | 15.36 |      |         |  |

MONTHLY OBSERVATIONS: 515 MONTHLY MEAN: 11.66 MONTHLY MAX: 49.0

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.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022 POC: 1  
 COUNTY: (067) Forsyth  
 CITY: (75000) Winston-Salem  
 SITE ADDRESS: 1300 BLK. HATTIE AVENUE  
 SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.  
 MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina  
 AQCR: (136) NORTHERN PIEDMONT  
 URBANIZED AREA: (9220) WINSTON-SALEM, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0  
 LATITUDE: 36.110556  
 LONGITUDE: -80.226667  
 UTM ZONE: 17  
 UTM NORTHING: 3996287  
 UTM EASTING: 569604  
 ELEVATION-MSL: 284  
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: MARCH 2010

DURATION: 1 HOUR  
 UNITS: Parts per billion  
 MIN DETECTABLE: .05

| 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    | AN    | AN   | AN    | AN    | AN    | AN    | AN    | AN    | AN    | AN   | AN   | AN   | AN   | AN   | AN   | AN   | AN   | AN   | AN    | BC    | BC    | BC    | BC    | 10.0  | 1   | 10.0    |
| 2    | 11.0  | BD   | 4.0   | 5.0   | 5.0   | 6.0   | 7.0   | 9.0   | 9.0   | 8.0  | 5.0  | 5.0  | 11.0 | 8.0  | 6.0  | 8.0  | 6.0  | 5.0  | 5.0   | 5.0   | 4.0   | 4.0   | 4.0   | 4.0   | 23  | 11.0    |
| 3    | 5.0   | BD   | 11.0  | 11.0  | 9.0   | 11.0  | 10.0  | 12.0  | 10.0  | 8.0  | 9.0  | 8.0  | 7.0  | 8.0  | 8.0  | 7.0  | 6.0  | 7.0  | 10.0  | 13.0  | 8.0   | 7.0   | 7.0   | 9.0   | 23  | 13.0    |
| 4    | 9.0   | BD   | 15.0  | 13.0  | 11.0  | 10.0  | 12.0  | 14.0  | 10.0  | 6.0  | 5.0  | 5.0  | 4.0  | 4.0  | 5.0  | 6.0  | 6.0  | 9.0  | 12.0  | 13.0  | 11.0  | 12.0  | 15.0  | 24.0  | 23  | 24.0    |
| 5    | 12.0  | BD   | 9.0   | 9.0   | 10.0  | 15.0  | 16.0  | 16.0  | 11.0  | 7.0  | 4.0  | 10.0 | 5.0  | 5.0  | 5.0  | 6.0  | 6.0  | 7.0  | 11.0  | 12.0  | 15.0  | 18.0  | 13.0  | 13.0  | 23  | 18.0    |
| 6    | 15.0  | BD   | 21.0  | 15.0  | 11.0  | 18.0  | 22.0  | 16.0  | 9.0   | 7.0  | 4.0  | 3.0  | 4.0  | 3.0  | 3.0  | 3.0  | 4.0  | 5.0  | 12.0  | 29.0  | 21.0  | 21.0  | 27.0  | 18.0  | 23  | 29.0    |
| 7    | 25.0  | BD   | 27.0  | 33.0  | 33.0  | 30.0  | 37.0  | 30.0  | 19.0  | 8.0  | 5.0  | 5.0  | 5.0  | 4.0  | 4.0  | 4.0  | 5.0  | 8.0  | 22.0  | 21.0  | 22.0  | 35.0  | 44.0  | 39.0  | 23  | 44.0    |
| 8    | 42.0  | BD   | 37.0  | 37.0  | 27.0  | 30.0  | 47.0  | 46.0  | 19.0  | 7.0  | 7.0  | 6.0  | 5.0  | 6.0  | 6.0  | 6.0  | 7.0  | 8.0  | 13.0  | 11.0  | 15.0  | 20.0  | 41.0  | 37.0  | 23  | 47.0    |
| 9    | 24.0  | BD   | 42.0  | 28.0  | 14.0  | 9.0   | BF    | BF    | BF    | BF   | BF   | BF   | BF   | BF   | BF   | 7.0  | 8.0  | 12.0 | 23.0  | 34.0  | 31.0  | 21.0  | 15.0  | 15.0  | 14  | 42.0    |
| 10   | 13.0  | BD   | 18.0  | 14.0  | 13.0  | 14.0  | 23.0  | 19.0  | 27.0  | 20.0 | 12.0 | 7.0  | 7.0  | 8.0  | 8.0  | 12.0 | 10.0 | 10.0 | 7.0   | 7.0   | 8.0   | 10.0  | 8.0   | 8.0   | 23  | 27.0    |
| 11   | 7.0   | BD   | 5.0   | 5.0   | 7.0   | 8.0   | 10.0  | 10.0  | 9.0   | 9.0  | 8.0  | 9.0  | 13.0 | 15.0 | 12.0 | 10.0 | 15.0 | 31.0 | 20.0  | BF    | BF    | 8.0   | 6.0   | 8.0   | 21  | 31.0    |
| 12   | 10.0  | BD   | 7.0   | 5.0   | 7.0   | 10.0  | 6.0   | 5.0   | 7.0   | 6.0  | 7.0  | 7.0  | 6.0  | 5.0  | 7.0  | 9.0  | 7.0  | 8.0  | 6.0   | 10.0  | 7.0   | 5.0   | 5.0   | 7.0   | 23  | 10.0    |
| 13   | 8.0   | BD   | 7.0   | 4.0   | 3.0   | 5.0   | 13.0  | 12.0  | 6.0   | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 7.0  | 13.0 | 9.0  | 11.0 | 14.0  | 11.0  | 35.0  | 24.0  | 9.0   | 9.0   | 23  | 35.0    |
| 14   | 9.0   | BD   | 9.0   | 7.0   | 10.0  | 6.0   | 6.0   | 5.0   | 4.0   | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 8.0  | 13.0  | 9.0   | 7.0   | 8.0   | 7.0   | 6.0   | 23  | 13.0    |
| 15   | 8.0   | BD   | 10.0  | 7.0   | 10.0  | 12.0  | 20.0  | 14.0  | 7.0   | 5.0  | 5.0  | 5.0  | 5.0  | 5.0  | 6.0  | 7.0  | 6.0  | 6.0  | 8.0   | 8.0   | 8.0   | 8.0   | 8.0   | 8.0   | 23  | 20.0    |
| 16   | 10.0  | BD   | 7.0   | 9.0   | 12.0  | 18.0  | 15.0  | 20.0  | 10.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 5.0  | 7.0   | 13.0  | 13.0  | 15.0  | 21.0  | 42.0  | 23  | 42.0    |
| 17   | 33.0  | BD   | 29.0  | 31.0  | 26.0  | 24.0  | 22.0  | 23.0  | 25.0  | AN   | AN   | AN   | AN   | AN   | AN   | 7.0  | 7.0  | 8.0  | 14.0  | 22.0  | 35.0  | 34.0  | 37.0  | 36.0  | 17  | 37.0    |
| 18   | 29.0  | BD   | 21.0  | 16.0  | 19.0  | 28.0  | 38.0  | 27.0  | 12.0  | 8.0  | 6.0  | 5.0  | 5.0  | 5.0  | 5.0  | 5.0  | 6.0  | 9.0  | 23.0  | 43.0  | 55.0  | 49.0  | 34.0  | 34.0  | 23  | 55.0    |
| 19   | 40.0  | BD   | 19.0  | 21.0  | 32.0  | 43.0  | 43.0  | 38.0  | 28.0  | 10.0 | 5.0  | 5.0  | 7.0  | 6.0  | 5.0  | 5.0  | 7.0  | 8.0  | 16.0  | 30.0  | 37.0  | 25.0  | 43.0  | 47.0  | 23  | 47.0    |
| 20   | 49.0  | BD   | 41.0  | 37.0  | 36.0  | 41.0  | 37.0  | 31.0  | 32.0  | 23.0 | 13.0 | 7.0  | 7.0  | 7.0  | 7.0  | 7.0  | 11.0 | 13.0 | 18.0  | 28.0  | 39.0  | 36.0  | 23.0  | 26.0  | 23  | 49.0    |
| 21   | 24.0  | BD   | 8.0   | 7.0   | 10.0  | 9.0   | 9.0   | 8.0   | 8.0   | 6.0  | 4.0  | 4.0  | 5.0  | 4.0  | 3.0  | 3.0  | 5.0  | 5.0  | 6.0   | 6.0   | 4.0   | 4.0   | 3.0   | 2.0   | 23  | 24.0    |
| 22   | 2.0   | BD   | 2.0   | 2.0   | 3.0   | 6.0   | 7.0   | 8.0   | 6.0   | 5.0  | 5.0  | 4.0  | 5.0  | 6.0  | 7.0  | 7.0  | 8.0  | 8.0  | 8.0   | 9.0   | 9.0   | 5.0   | 5.0   | 4.0   | 23  | 9.0     |
| 23   | 4.0   | BD   | 5.0   | 5.0   | 6.0   | 9.0   | 12.0  | 14.0  | 9.0   | 6.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 6.0  | 7.0  | 6.0  | 10.0  | 14.0  | 18.0  | 19.0  | 24.0  | 21.0  | 23  | 24.0    |
| 24   | 24.0  | BD   | 19.0  | 31.0  | 25.0  | 31.0  | 35.0  | 36.0  | 34.0  | 15.0 | 5.0  | 5.0  | 5.0  | AZ   | AZ   | AZ   | AZ   | 7.0  | 17.0  | 22.0  | 21.0  | 24.0  | 24.0  | 23.0  | 19  | 36.0    |
| 25   | 18.0  | BD   | 19.0  | 14.0  | 18.0  | 28.0  | 28.0  | 38.0  | 28.0  | 15.0 | 13.0 | 10.0 | 9.0  | 8.0  | 10.0 | 13.0 | 12.0 | 14.0 | BF    | 15.0  | 24.0  | 21.0  | 16.0  | 6.0   | 22  | 38.0    |
| 26   | 11.0  | BD   | 13.0  | 13.0  | 8.0   | 12.0  | 15.0  | 12.0  | AN    | AN   | AN   | AN   | AN   | 10.0 | 5.0  | 5.0  | 5.0  | 5.0  | 6.0   | 6.0   | 5.0   | 5.0   | 6.0   | 15.0  | 18  | 15.0    |
| 27   | 20.0  | BD   | 13.0  | 10.0  | 7.0   | 13.0  | 14.0  | 8.0   | 6.0   | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 5.0  | 5.0  | 6.0   | 11.0  | 10.0  | 10.0  | 8.0   | 6.0   | 23  | 20.0    |
| 28   | 6.0   | BD   | 5.0   | 3.0   | 3.0   | 4.0   | 4.0   | 4.0   | 4.0   | 4.0  | 4.0  | 4.0  | 7.0  | 8.0  | 7.0  | 8.0  | 8.0  | 12.0 | 15.0  | 12.0  | 13.0  | 9.0   | 9.0   | 14.0  | 23  | 15.0    |
| 29   | 8.0   | BD   | 5.0   | 4.0   | 7.0   | 7.0   | 8.0   | 8.0   | 6.0   | 5.0  | 4.0  | 3.0  | 3.0  | 3.0  | 5.0  | 6.0  | 7.0  | 15.0 | 21.0  | 24.0  | 20.0  | 17.0  | 11.0  | 13.0  | 23  | 24.0    |
| 30   | 8.0   | BD   | 7.0   | 7.0   | 7.0   | 7.0   | 11.0  | 11.0  | 5.0   | 4.0  | 5.0  | 5.0  | 4.0  | 5.0  | 5.0  | 6.0  | 7.0  | 7.0  | 8.0   | 12.0  | 8.0   | 7.0   | 9.0   | 16.0  | 23  | 16.0    |
| 31   | 10.0  | BD   | 6.0   | 10.0  | 23.0  | 45.0  | 35.0  | 34.0  | 17.0  | 6.0  | 5.0  | 5.0  | 5.0  | 5.0  | 5.0  | 6.0  | 6.0  | 7.0  | 18.0  | 36.0  | 39.0  | 32.0  | 39.0  | 40.0  | 23  | 45.0    |
| NO.: | 30    |      | 30    | 30    | 30    | 29    | 29    | 28    | 27    | 27   | 27   | 27   | 27   | 27   | 27   | 29   | 29   | 30   | 29    | 29    | 29    | 30    | 30    | 31    |     |         |
| MAX: | 49.0  |      | 42.0  | 37.0  | 36.0  | 45.0  | 47.0  | 46.0  | 34.0  | 23.0 | 13.0 | 10.0 | 13.0 | 15.0 | 12.0 | 13.0 | 15.0 | 31.0 | 23.0  | 43.0  | 55.0  | 49.0  | 44.0  | 47.0  |     |         |
| AVG: | 16.47 |      | 14.70 | 13.77 | 13.73 | 16.97 | 19.38 | 18.21 | 13.46 | 7.93 | 5.89 | 5.41 | 5.70 | 5.89 | 5.85 | 6.72 | 7.10 | 8.97 | 12.72 | 16.76 | 18.69 | 17.10 | 17.37 | 18.06 |     |         |

MONTHLY OBSERVATIONS: 664 MONTHLY MEAN: 12.63 MONTHLY MAX: 55.0

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022 POC: 1  
 COUNTY: (067) Forsyth  
 CITY: (75000) Winston-Salem  
 SITE ADDRESS: 1300 BLK. HATTIE AVENUE  
 SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.  
 MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina  
 AQCR: (136) NORTHERN PIEDMONT  
 URBANIZED AREA: (9220) WINSTON-SALEM, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0  
 LATITUDE: 36.110556  
 LONGITUDE: -80.226667  
 UTM ZONE: 17  
 UTM NORTHING: 3996287  
 UTM EASTING: 569604  
 ELEVATION-MSL: 284  
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: APRIL 2010

DURATION: 1 HOUR  
 UNITS: Parts per billion  
 MIN DETECTABLE: .05

| 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    | 37.0  | BD    | 45.0  | 41.0  | 33.0  | 35.0  | 32.0  | 35.0  | 22.0  | 8.0  | 5.0  | 5.0  | 5.0  | 6.0  | 7.0  | 7.0  | 8.0  | 9.0  | 19.0  | 30.0  | 50.0  | 28.0  | 31.0  | 26.0  | 23   | 50.0    |      |
| 2    | 36.0  | BD    | 30.0  | 30.0  | 30.0  | 42.0  | 36.0  | 26.0  | 32.0  | 24.0 | 18.0 | 9.0  | 7.0  | 6.0  | 7.0  | 8.0  | 8.0  | 10.0 | 18.0  | 18.0  | 12.0  | 22.0  | 12.0  | 15.0  | 23   | 42.0    |      |
| 3    | 14.0  | BD    | 7.0   | 9.0   | 11.0  | 10.0  | 10.0  | 12.0  | 11.0  | 8.0  | 6.0  | 5.0  | 5.0  | 5.0  | 6.0  | 7.0  | 7.0  | 8.0  | 11.0  | 18.0  | 27.0  | 28.0  | 15.0  | 11.0  | 23   | 28.0    |      |
| 4    | 11.0  | BD    | 9.0   | 9.0   | 10.0  | 17.0  | 17.0  | 15.0  | 7.0   | 4.0  | 3.0  | 3.0  | 4.0  | 4.0  | 4.0  | 5.0  | 8.0  | 5.0  | 8.0   | 13.0  | 28.0  | 33.0  | 31.0  | 29.0  | 23.0 | 23      | 33.0 |
| 5    | 24.0  | BD    | 15.0  | 14.0  | 22.0  | 37.0  | 29.0  | 33.0  | BA    | BA   | BA   | 5.0  | 4.0  | 4.0  | 5.0  | 6.0  | 6.0  | 7.0  | 10.0  | 25.0  | 24.0  | 27.0  | 20.0  | 12.0  | 20   | 37.0    |      |
| 6    | 8.0   | BD    | 9.0   | 8.0   | 11.0  | 13.0  | 16.0  | 21.0  | 19.0  | 15.0 | 10.0 | 6.0  | 5.0  | 5.0  | 6.0  | 7.0  | 8.0  | 9.0  | 12.0  | 15.0  | 18.0  | 11.0  | 8.0   | 8.0   | 23   | 21.0    |      |
| 7    | 6.0   | BD    | 8.0   | 7.0   | 8.0   | 13.0  | 16.0  | 14.0  | 13.0  | 10.0 | 7.0  | 6.0  | 8.0  | 9.0  | 8.0  | 7.0  | 7.0  | 8.0  | 10.0  | 12.0  | 10.0  | 8.0   | 9.0   | 9.0   | 23   | 16.0    |      |
| 8    | 8.0   | BD    | 6.0   | 6.0   | 6.0   | 10.0  | 13.0  | 11.0  | 8.0   | 6.0  | 5.0  | 4.0  | 5.0  | 5.0  | 6.0  | 7.0  | AL   | AL   | AL    | 6.0   | 9.0   | 8.0   | 7.0   | 8.0   | 20   | 13.0    |      |
| 9    | 10.0  | BD    | 8.0   | 7.0   | 5.0   | 9.0   | 10.0  | 12.0  | 5.0   | 4.0  | 4.0  | 5.0  | BF   | BF   | BF   | BF   | BF   | 5.0  | 7.0   | 13.0  | 17.0  | 23.0  | 10.0  | 8.0   | 18   | 23.0    |      |
| 10   | 8.0   | 8.0   | 11.0  | 12.0  | 11.0  | 16.0  | 18.0  | 19.0  | 5.0   | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 5.0  | 5.0  | 6.0  | 11.0  | 26.0  | 41.0  | 26.0  | 20.0  | 27.0  | 24   | 41.0    |      |
| 11   | 19.0  | 17.0  | 23.0  | 22.0  | 18.0  | 16.0  | 15.0  | 18.0  | 14.0  | 7.0  | 6.0  | 5.0  | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 11.0  | 31.0  | 26.0  | 30.0  | 24.0  | 16.0  | 24   | 31.0    |      |
| 12   | 15.0  | 12.0  | 13.0  | 23.0  | 24.0  | 29.0  | 30.0  | 20.0  | BA    | BA   | BA   | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 6.0  | 14.0 | 28.0  | 22.0  | 19.0  | 15.0  | 21.0  | 21.0  | 21   | 30.0    |      |
| 13   | 17.0  | BD    | 9.0   | 8.0   | 12.0  | 23.0  | 23.0  | 29.0  | 20.0  | 14.0 | 8.0  | 6.0  | 5.0  | 6.0  | 6.0  | 6.0  | 7.0  | 7.0  | 13.0  | 17.0  | 6.0   | 10.0  | 10.0  | 9.0   | 23   | 29.0    |      |
| 14   | 8.0   | BD    | 5.0   | 4.0   | 4.0   | 4.0   | 5.0   | 6.0   | 7.0   | 5.0  | 5.0  | 5.0  | 5.0  | 5.0  | 5.0  | 4.0  | 4.0  | 5.0  | 6.0   | 6.0   | 7.0   | 9.0   | 8.0   | 7.0   | 23   | 9.0     |      |
| 15   | 6.0   | BD    | 6.0   | 6.0   | 12.0  | 29.0  | 28.0  | 19.0  | BA    | BA   | BA   | 8.0  | 7.0  | 8.0  | 7.0  | 6.0  | 6.0  | 9.0  | 12.0  | 24.0  | 19.0  | 13.0  | 16.0  | 10.0  | 20   | 29.0    |      |
| 16   | 11.0  | BD    | 16.0  | 13.0  | 12.0  | 21.0  | 26.0  | 27.0  | 24.0  | 16.0 | 11.0 | 6.0  | 6.0  | 7.0  | 6.0  | 6.0  | 8.0  | 9.0  | 12.0  | 14.0  | 14.0  | 12.0  | 11.0  | 10.0  | 23   | 27.0    |      |
| 17   | 10.0  | BD    | 9.0   | 8.0   | 10.0  | 28.0  | 12.0  | 8.0   | 4.0   | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 8.0   | 9.0   | 8.0   | 4.0   | 4.0   | 5.0   | 23   | 28.0    |      |
| 18   | 3.0   | BD    | 5.0   | 4.0   | 5.0   | 4.0   | 15.0  | 9.0   | 5.0   | 4.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 6.0   | 11.0  | 8.0   | 8.0   | 7.0   | 6.0   | 23   | 15.0    |      |
| 19   | 4.0   | BD    | 6.0   | 5.0   | 7.0   | 16.0  | 16.0  | 9.0   | 6.0   | 8.0  | 5.0  | 6.0  | 6.0  | 5.0  | 5.0  | BF   | BF   | 11.0 | 21.0  | 17.0  | 14.0  | 17.0  | 15.0  | 21    | 21.0 |         |      |
| 20   | 13.0  | BD    | 10.0  | 12.0  | 16.0  | 22.0  | 21.0  | 21.0  | 15.0  | 9.0  | 5.0  | AL   | 5.0  | 5.0  | 6.0  | 10.0 | 15.0 | 15.0 | 16.0  | 19.0  | 20.0  | 12.0  | 8.0   | 7.0   | 22   | 22.0    |      |
| 21   | 12.0  | BD    | BD    | 7.0   | 6.0   | 8.0   | 15.0  | 15.0  | 13.0  | 8.0  | 4.0  | 3.0  | 3.0  | 5.0  | 6.0  | 6.0  | 7.0  | 7.0  | 11.0  | 15.0  | 14.0  | 13.0  | 18.0  | 12.0  | 22   | 18.0    |      |
| 22   | 9.0   | BD    | BD    | 9.0   | 10.0  | 14.0  | 19.0  | 13.0  | 12.0  | 7.0  | 6.0  | 5.0  | 5.0  | 5.0  | 5.0  | 6.0  | 6.0  | 7.0  | 14.0  | 27.0  | 43.0  | 43.0  | 50.0  | 51.0  | 22   | 51.0    |      |
| 23   | 45.0  | BD    | BD    | 32.0  | 31.0  | 27.0  | 25.0  | 31.0  | 27.0  | 21.0 | 15.0 | 9.0  | 9.0  | 14.0 | 10.0 | 8.0  | 7.0  | 6.0  | 8.0   | 10.0  | 11.0  | 10.0  | 13.0  | 21.0  | 22   | 45.0    |      |
| 24   | 21.0  | BD    | 16.0  | 11.0  | 7.0   | 7.0   | 8.0   | 7.0   | 7.0   | 6.0  | 6.0  | 6.0  | 5.0  | 6.0  | 7.0  | 9.0  | 9.0  | 8.0  | 6.0   | 5.0   | 5.0   | 7.0   | 7.0   | 7.0   | 23   | 21.0    |      |
| 25   | 3.0   | BD    | 4.0   | 4.0   | 4.0   | 3.0   | 4.0   | 4.0   | 4.0   | 5.0  | 5.0  | 4.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 5.0  | 7.0   | 8.0   | 8.0   | 6.0   | 7.0   | 6.0   | 23   | 8.0     |      |
| 26   | 6.0   | BD    | 6.0   | 10.0  | 8.0   | 11.0  | 14.0  | 16.0  | 14.0  | 5.0  | BC   | BC   | BC   | BC   | 7.0  | 6.0  | 6.0  | 5.0  | 5.0   | 5.0   | 5.0   | 6.0   | 6.0   | 5.0   | 19   | 16.0    |      |
| 27   | 4.0   | BD    | 4.0   | 3.0   | 6.0   | 11.0  | 14.0  | 10.0  | 6.0   | 5.0  | 5.0  | 5.0  | 7.0  | 7.0  | 7.0  | 5.0  | 4.0  | 4.0  | 6.0   | 7.0   | 7.0   | 5.0   | 5.0   | 6.0   | 23   | 14.0    |      |
| 28   | 5.0   | BD    | 7.0   | 7.0   | 6.0   | 7.0   | 14.0  | 8.0   | 7.0   | 5.0  | 4.0  | 4.0  | 3.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 7.0   | 17.0  | 20.0  | 23.0  | 20.0  | 22.0  | 23   | 23.0    |      |
| 29   | 31.0  | BD    | 17.0  | 21.0  | 19.0  | 21.0  | 20.0  | 27.0  | 15.0  | 5.0  | 5.0  | 5.0  | 5.0  | 5.0  | 5.0  | 6.0  | 6.0  | 7.0  | 11.0  | 20.0  | 22.0  | 17.0  | 16.0  | 14.0  | 23   | 31.0    |      |
| 30   | 10.0  | BD    | 9.0   | 9.0   | 9.0   | 11.0  | 13.0  | 14.0  | 11.0  | 7.0  | 7.0  | 7.0  | 6.0  | 6.0  | 6.0  | 6.0  | 6.0  | 7.0  | 9.0   | 16.0  | 16.0  | 18.0  | 19.0  | 12.0  | 23   | 19.0    |      |
| 31   |       |       |       |       |       |       |       |       |       |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |      | 0       |      |
| NO.: | 30    | 3     | 27    | 30    | 30    | 30    | 30    | 30    | 27    | 27   | 26   | 28   | 28   | 28   | 29   | 29   | 27   | 28   | 29    | 30    | 30    | 30    | 30    | 30    |      |         |      |
| MAX: | 45.0  | 17.0  | 45.0  | 41.0  | 33.0  | 42.0  | 36.0  | 35.0  | 32.0  | 24.0 | 18.0 | 9.0  | 9.0  | 14.0 | 10.0 | 10.0 | 15.0 | 15.0 | 19.0  | 31.0  | 50.0  | 43.0  | 50.0  | 51.0  |      |         |      |
| AVG: | 13.80 | 12.33 | 11.59 | 12.03 | 12.43 | 17.13 | 17.80 | 16.97 | 12.33 | 8.30 | 6.42 | 5.25 | 5.11 | 5.50 | 5.66 | 5.86 | 6.22 | 7.00 | 10.48 | 16.70 | 17.97 | 16.37 | 14.73 | 13.63 |      |         |      |

MONTHLY OBSERVATIONS: 666 MONTHLY MEAN: 11.42 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.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
AIR QUALITY SYSTEM  
RAW DATA REPORT

Dec. 15, 2015

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022 POC: 1

COUNTY: (067) Forsyth

CITY: (75000) Winston-Salem

SITE ADDRESS: 1300 BLK. HATTIE AVENUE

SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.

MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina

AQCR: (136) NORTHERN PIEDMONT

URBANIZED AREA: (9220) WINSTON-SALEM, NC

LAND USE: RESIDENTIAL

LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0

LATITUDE: 36.110556

LONGITUDE: -80.226667

UTM ZONE: 17

UTM NORTHING: 3996287

UTM EASTING: 569604

ELEVATION-MSL: 284

PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel

PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: MAY 2010

DURATION: 1 HOUR

UNITS: Parts per billion

MIN DETECTABLE: .05

| 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   | 18.0 | BD   | 11.0 | 8.0  | 8.0  | 8.0  | 8.0  | 8.0  | 6.0  | 5.0  | 4.0  | 4.0  | 3.0  | 3.0  | 3.0  | 4.0  | BF   | BF   | BF   | 6.0  | 7.0  | 7.0  | 12.0 | 13.0 | 20   | 18.0    |      |
| 2   | 9.0  | BD   | 5.0  | 4.0  | 3.0  | 4.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0  | 5.0  | 8.0  | 6.0  | 6.0  | 4.0  | 4.0  | 23   | 9.0     |      |
| 3   | 4.0  | BD   | 5.0  | 5.0  | 6.0  | 8.0  | 12.0 | 9.0  | 8.0  | 6.0  | 7.0  | 9.0  | 6.0  | 7.0  | 7.0  | 7.0  | AM   | 7.0  | 7.0  | 6.0  | 8.0  | 5.0  | 4.0  | 4.0  | 22   | 12.0    |      |
| 4   | 4.0  | BD   | 4.0  | 5.0  | 7.0  | 10.0 | 14.0 | 14.0 | 8.0  | 4.0  | 5.0  | 4.0  | 5.0  | 4.0  | 5.0  | 5.0  | 5.0  | 6.0  | 9.0  | 17.0 | 17.0 | 15.0 | 19.0 | 14.0 | 23   | 19.0    |      |
| 5   | 12.0 | BD   | 18.0 | 22.0 | 20.0 | 17.0 | 18.0 | 12.0 | 8.0  | 7.0  | 6.0  | 4.0  | 5.0  | 5.0  | 5.0  | 5.0  | 6.0  | 8.0  | 12.0 | 17.0 | 14.0 | 9.0  | 12.0 | 10.0 | 23   | 22.0    |      |
| 6   | 9.0  | BD   | 10.0 | 9.0  | 12.0 | 19.0 | 25.0 | 16.0 | 12.0 | 8.0  | 6.0  | 5.0  | 4.0  | 5.0  | 5.0  | 5.0  | 6.0  | 7.0  | 8.0  | 13.0 | 18.0 | 22.0 | 14.0 | 6.0  | 23   | 25.0    |      |
| 7   | 4.0  | BD   | 5.0  | 7.0  | 8.0  | 9.0  | 10.0 | 9.0  | 8.0  | 7.0  | 5.0  | 5.0  | 5.0  | 5.0  | 5.0  | 6.0  | 6.0  | 7.0  | 8.0  | 11.0 | 10.0 | 9.0  | 8.0  | 7.0  | 23   | 11.0    |      |
| 8   | 6.0  | BD   | 5.0  | 4.0  | 5.0  | 5.0  | 6.0  | 8.0  | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | AM   | 4.0  | 4.0  | 4.0  | 4.0  | 22   | 8.0     |      |
| 9   | 4.0  | BD   | 3.0  | 3.0  | 3.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 5.0  | 4.0  | 4.0  | 3.0  | 2.0  | 23   | 5.0     |      |
| 10  | 2.0  | BD   | 5.0  | 5.0  | 5.0  | 8.0  | 7.0  | 7.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 6.0  | 5.0  | 5.0  | 6.0  | 7.0  | 10.0 | 12.0 | 14.0 | 18.0 | 18.0 | 23   | 18.0    |      |
| 11  | 16.0 | BD   | 10.0 | 8.0  | 9.0  | 9.0  | 13.0 | 13.0 | 10.0 | 10.0 | 9.0  | 9.0  | 9.0  | 8.0  | 9.0  | 11.0 | 9.0  | 8.0  | 9.0  | 10.0 | 9.0  | 11.0 | 9.0  | 9.0  | 23   | 16.0    |      |
| 12  | 6.0  | BD   | 9.0  | 10.0 | 11.0 | 12.0 | 13.0 | 12.0 | 11.0 | 8.0  | 8.0  | 7.0  | 6.0  | 5.0  | 5.0  | 7.0  | 7.0  | 6.0  | 6.0  | AM   | 10.0 | 11.0 | 10.0 | 8.0  | 22   | 13.0    |      |
| 13  | 6.0  | BD   | 16.0 | 12.0 | 17.0 | 21.0 | 16.0 | 11.0 | 7.0  | 6.0  | 6.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 6.0  | 6.0  | 6.0  | 8.0  | 7.0  | 6.0  | 6.0  | 5.0  | 23   | 21.0    |      |
| 14  | 6.0  | BD   | 6.0  | 5.0  | 6.0  | 7.0  | 7.0  | 13.0 | 14.0 | 10.0 | 6.0  | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 6.0  | 7.0  | 7.0  | 12.0 | 12.0 | 5.0  | 6.0  | 10.0 | 23      | 14.0 |
| 15  | 7.0  | BD   | 7.0  | 6.0  | 8.0  | 9.0  | 10.0 | 9.0  | 6.0  | 5.0  | 4.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 6.0  | 10.0 | 15.0 | 10.0 | 11.0 | 8.0  | 23   | 15.0    |      |
| 16  | 7.0  | BD   | 7.0  | 5.0  | 4.0  | 6.0  | 9.0  | 7.0  | 5.0  | 7.0  | 4.0  | 3.0  | 4.0  | 4.0  | 3.0  | 3.0  | 4.0  | 5.0  | 5.0  | 5.0  | 6.0  | 4.0  | 4.0  | 6.0  | 23   | 9.0     |      |
| 17  | 3.0  | BD   | 5.0  | 5.0  | 5.0  | 8.0  | 8.0  | 6.0  | 7.0  | 6.0  | 8.0  | 8.0  | 8.0  | 9.0  | 10.0 | 8.0  | 8.0  | 8.0  | 7.0  | 9.0  | 4.0  | 8.0  | 7.0  | 5.0  | 23   | 10.0    |      |
| 18  | 4.0  | BD   | 5.0  | 4.0  | 4.0  | 4.0  | 5.0  | 7.0  | 9.0  | 7.0  | 5.0  | 7.0  | 7.0  | 8.0  | 12.0 | 7.0  | 8.0  | 7.0  | 8.0  | 9.0  | 15.0 | 15.0 | 11.0 | 11.0 | 23   | 15.0    |      |
| 19  | 9.0  | BD   | 9.0  | 7.0  | 6.0  | 7.0  | 7.0  | 6.0  | 5.0  | 5.0  | 4.0  | 4.0  | 5.0  | 4.0  | 6.0  | 4.0  | 5.0  | 6.0  | 5.0  | 6.0  | 8.0  | 8.0  | 6.0  | 6.0  | 23   | 9.0     |      |
| 20  | 6.0  | BD   | 5.0  | 6.0  | 7.0  | 11.0 | 12.0 | 6.0  | 4.0  | 5.0  | 4.0  | 3.0  | 3.0  | 4.0  | 5.0  | 5.0  | 6.0  | 5.0  | 6.0  | 13.0 | 13.0 | 27.0 | 23.0 | 20.0 | 23   | 27.0    |      |
| 21  | 19.0 | BD   | 17.0 | 19.0 | 17.0 | 14.0 | 15.0 | 16.0 | 16.0 | 11.0 | 7.0  | 6.0  | 7.0  | 6.0  | 8.0  | 8.0  | 9.0  | 9.0  | 13.0 | 24.0 | 24.0 | 15.0 | 14.0 | 17.0 | 23   | 24.0    |      |
| 22  | 17.0 | BD   | 19.0 | 8.0  | 13.0 | 13.0 | 9.0  | 6.0  | 5.0  | 5.0  | 6.0  | 6.0  | 5.0  | 5.0  | 4.0  | 5.0  | 5.0  | 7.0  | 5.0  | 6.0  | 8.0  | 7.0  | 11.0 | 10.0 | 23   | 19.0    |      |
| 23  | 6.0  | BD   | 6.0  | 4.0  | 5.0  | 4.0  | 5.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 3.0  | 4.0  | 5.0  | 6.0  | 6.0  | 6.0  | 5.0  | 5.0  | 4.0  | 23   | 6.0     |      |
| 24  | 7.0  | BD   | 5.0  | 7.0  | 5.0  | 5.0  | 7.0  | 6.0  | 6.0  | 4.0  | 4.0  | 4.0  | 3.0  | 4.0  | 4.0  | 3.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 5.0  | 5.0  | 4.0  | 4.0  | 23      | 7.0  |
| 25  | 4.0  | BD   | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0  | 6.0  | 5.0  | 5.0  | 7.0  | 9.0  | 7.0  | 5.0  | 5.0  | 23   | 9.0     |      |
| 26  | 5.0  | BD   | 4.0  | 4.0  | 4.0  | 5.0  | 8.0  | 4.0  | 3.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 9.0  | 10.0 | 20.0 | 26.0 | 40.0 | 23   | 40.0    |      |
| 27  | 39.0 | BD   | 11.0 | 9.0  | 12.0 | 20.0 | 16.0 | 18.0 | 6.0  | 5.0  | 5.0  | 4.0  | 5.0  | 5.0  | 4.0  | 4.0  | 4.0  | 5.0  | 7.0  | 14.0 | 16.0 | 16.0 | 9.0  | 7.0  | 23   | 39.0    |      |
| 28  | 10.0 | BD   | 5.0  | 5.0  | 6.0  | 7.0  | 7.0  | 8.0  | 8.0  | 6.0  | 5.0  | 5.0  | 7.0  | 6.0  | 5.0  | 6.0  | 7.0  | 10.0 | 12.0 | 8.0  | 8.0  | 8.0  | 9.0  | 8.0  | 23   | 12.0    |      |
| 29  | 6.0  | BD   | 8.0  | 5.0  | 4.0  | 6.0  | 7.0  | 6.0  | 6.0  | 5.0  | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 6.0  | 6.0  | 8.0  | 10.0 | 8.0  | 6.0  | 5.0  | 23   | 10.0    |      |
| 30  | 5.0  | BD   | 6.0  | 6.0  | 7.0  | 6.0  | 6.0  | 5.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 5.0  | 10.0 | 12.0 | 13.0 | 8.0  | 9.0  | 23   | 13.0    |      |
| 31  | 8.0  | BD   | 6.0  | 7.0  | 7.0  | 8.0  | 7.0  | 5.0  | 4.0  | 3.0  | 3.0  | 4.0  | 5.0  | 7.0  | 7.0  | 8.0  | 5.0  | 6.0  | 5.0  | 5.0  | 6.0  | 5.0  | 6.0  | 5.0  | 23   | 8.0     |      |

NO.: 31  
MAX: 39.0  
AVG: 8.65

MONTHLY OBSERVATIONS: 707 MONTHLY MEAN: 7.21 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.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022 POC: 1  
 COUNTY: (067) Forsyth  
 CITY: (75000) Winston-Salem  
 SITE ADDRESS: 1300 BLK. HATTIE AVENUE  
 SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.  
 MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina  
 AQCR: (136) NORTHERN PIEDMONT  
 URBANIZED AREA: (9220) WINSTON-SALEM, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0  
 LATITUDE: 36.110556  
 LONGITUDE: -80.226667  
 UTM ZONE: 17  
 UTM NORTHING: 3996287  
 UTM EASTING: 569604  
 ELEVATION-MSL: 284  
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JUNE 2010

DURATION: 1 HOUR  
 UNITS: Parts per billion  
 MIN DETECTABLE: .05

| 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  | BD   | 5.0  | 5.0  | 7.0   | 8.0   | 10.0  | 8.0   | 8.0  | 6.0  | 5.0  | 3.0  | 4.0  | 4.0  | 4.0  | 6.0  | 9.0  | 6.0  | 7.0  | 9.0   | 8.0   | 8.0   | 8.0   | 9.0   | 23   | 10.0    |      |  |
| 2    | 10.0 | BD   | 9.0  | 15.0 | 19.0  | 18.0  | 19.0  | 13.0  | 10.0 | 8.0  | 7.0  | 6.0  | 6.0  | 5.0  | 6.0  | 5.0  | 8.0  | 5.0  | 7.0  | 18.0  | 22.0  | 10.0  | 7.0   | 7.0   | 23   | 22.0    |      |  |
| 3    | 5.0  | BD   | 7.0  | 10.0 | 8.0   | 9.0   | 11.0  | 12.0  | 9.0  | 9.0  | 8.0  | 8.0  | 7.0  | 5.0  | 4.0  | 4.0  | 5.0  | 7.0  | 9.0  | 10.0  | 12.0  | 9.0   | 8.0   | 10.0  | 23   | 12.0    |      |  |
| 4    | 12.0 | BD   | 14.0 | 13.0 | 13.0  | 13.0  | 15.0  | 17.0  | 18.0 | 12.0 | 7.0  | 5.0  | 4.0  | 5.0  | 6.0  | 6.0  | 6.0  | 7.0  | 8.0  | 11.0  | 10.0  | 8.0   | 9.0   | 6.0   | 23   | 18.0    |      |  |
| 5    | 6.0  | BD   | 8.0  | 9.0  | 8.0   | 9.0   | 7.0   | 6.0   | 4.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 5.0  | 7.0   | 8.0   | 9.0   | 8.0   | 7.0   | 23   | 9.0     |      |  |
| 6    | 7.0  | BD   | 6.0  | 6.0  | 5.0   | 5.0   | 4.0   | 4.0   | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 5.0  | 7.0   | 6.0   | 7.0   | 7.0   | 5.0   | 23   | 7.0     |      |  |
| 7    | 5.0  | BD   | 6.0  | 5.0  | 10.0  | 28.0  | 10.0  | 7.0   | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 5.0  | 6.0  | 5.0  | 5.0  | 11.0  | 24.0  | 23.0  | 20.0  | 25.0  | 23   | 28.0    |      |  |
| 8    | 21.0 | BD   | 7.0  | 4.0  | 5.0   | 9.0   | 7.0   | 6.0   | 8.0  | 5.0  | 4.0  | 4.0  | 5.0  | 5.0  | 6.0  | 5.0  | 5.0  | 5.0  | 6.0  | 11.0  | 11.0  | 9.0   | 9.0   | 6.0   | 23   | 21.0    |      |  |
| 9    | 5.0  | BD   | 5.0  | 4.0  | 5.0   | 8.0   | 16.0  | 15.0  | 11.0 | 10.0 | 10.0 | 9.0  | 9.0  | 9.0  | 8.0  | 10.0 | 8.0  | 6.0  | 7.0  | 9.0   | 8.0   | 8.0   | 9.0   | 8.0   | 23   | 16.0    |      |  |
| 10   | 7.0  | BD   | 6.0  | 8.0  | 9.0   | 11.0  | 15.0  | 18.0  | 8.0  | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 6.0  | 9.0   | 11.0  | 11.0  | 11.0  | 7.0   | 23   | 18.0    |      |  |
| 11   | 8.0  | BD   | 29.0 | 21.0 | 31.0  | 21.0  | 21.0  | 10.0  | 4.0  | 6.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 8.0  | 12.0  | 19.0  | 19.0  | 22.0  | 28.0  | 23   | 31.0    |      |  |
| 12   | 24.0 | BD   | 20.0 | 18.0 | 21.0  | 16.0  | 17.0  | 15.0  | 7.0  | 6.0  | 5.0  | 5.0  | 4.0  | 5.0  | 7.0  | 11.0 | 10.0 | 9.0  | 7.0  | 13.0  | 18.0  | 15.0  | 13.0  | 5.0   | 23   | 24.0    |      |  |
| 13   | 6.0  | BD   | 10.0 | 9.0  | 8.0   | 7.0   | 10.0  | 7.0   | 4.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 9.0  | 11.0 | 8.0  | 14.0 | 13.0  | 8.0   | 6.0   | 7.0   | 7.0   | 23   | 14.0    |      |  |
| 14   | 6.0  | BD   | 7.0  | 7.0  | 15.0  | 14.0  | 11.0  | 8.0   | 5.0  | 4.0  | 3.0  | 4.0  | 3.0  | 3.0  | 4.0  | 4.0  | 8.0  | 17.0 | 22.0 | 23.0  | 20.0  | 14.0  | 9.0   | 8.0   | 23   | 23.0    |      |  |
| 15   | 7.0  | BD   | 11.0 | 10.0 | 14.0  | 11.0  | 10.0  | 9.0   | 5.0  | 5.0  | 4.0  | 4.0  | 5.0  | 4.0  | 4.0  | 7.0  | 8.0  | 5.0  | 6.0  | 10.0  | 14.0  | 20.0  | 32.0  | 21.0  | 23   | 32.0    |      |  |
| 16   | 9.0  | BD   | 12.0 | 12.0 | 10.0  | 15.0  | 15.0  | 12.0  | 11.0 | 10.0 | 7.0  | 6.0  | 7.0  | 11.0 | 6.0  | 5.0  | 5.0  | 6.0  | 8.0  | 8.0   | 5.0   | 13.0  | 11.0  | 12.0  | 23   | 15.0    |      |  |
| 17   | 15.0 | BD   | 6.0  | 8.0  | 11.0  | 10.0  | 13.0  | 11.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 5.0  | 5.0  | 5.0  | 8.0   | 13.0  | 9.0   | 7.0   | 8.0   | 23   | 15.0    |      |  |
| 18   | 10.0 | BD   | 5.0  | 4.0  | 5.0   | 4.0   | 4.0   | 4.0   | 5.0  | 4.0  | 4.0  | 3.0  | 3.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 8.0   | 10.0  | 13.0  | 11.0  | 11.0  | 23   | 13.0    |      |  |
| 19   | 11.0 | BD   | 8.0  | 7.0  | 7.0   | 8.0   | 11.0  | 14.0  | 6.0  | 4.0  | 4.0  | 4.0  | 4.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 5.0  | 8.0   | 14.0  | 13.0  | 8.0   | 7.0   | 23   | 14.0    |      |  |
| 20   | 7.0  | BD   | 8.0  | 5.0  | 6.0   | 6.0   | 6.0   | 5.0   | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 5.0  | 7.0   | 15.0  | 21.0  | 33.0  | 29.0  | 23   | 33.0    |      |  |
| 21   | 17.0 | BD   | 8.0  | 8.0  | 14.0  | 25.0  | 23.0  | 18.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0  | 6.0  | 6.0  | 6.0  | 10.0  | 21.0  | 21.0  | 12.0  | 17.0  | 23   | 25.0    |      |  |
| 22   | 10.0 | BD   | 7.0  | 7.0  | 16.0  | 21.0  | 18.0  | 17.0  | 11.0 | 13.0 | 8.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 5.0  | 4.0  | 4.0  | 9.0   | 12.0  | 11.0  | 10.0  | 11.0  | 23   | 21.0    |      |  |
| 23   | 10.0 | BD   | 8.0  | 15.0 | 21.0  | 17.0  | 16.0  | 11.0  | 6.0  | 6.0  | 4.0  | 4.0  | 3.0  | 3.0  | 4.0  | 5.0  | 8.0  | 9.0  | 11.0 | 16.0  | 18.0  | 7.0   | 9.0   | 12.0  | 23   | 21.0    |      |  |
| 24   | 7.0  | BD   | 7.0  | 7.0  | 9.0   | 15.0  | 19.0  | 13.0  | 9.0  | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 8.0  | 7.0   | 7.0   | 7.0   | 7.0   | 8.0   | 23   | 19.0    |      |  |
| 25   | 7.0  | BD   | 8.0  | 10.0 | 6.0   | 6.0   | 5.0   | 4.0   | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 5.0  | 4.0  | 5.0  | 6.0   | 11.0  | 11.0  | 12.0  | 13.0  | 23   | 13.0    |      |  |
| 26   | 12.0 | BD   | 6.0  | 5.0  | 6.0   | 7.0   | 6.0   | 5.0   | 5.0  | 4.0  | 3.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 9.0   | 14.0  | 16.0  | 11.0  | 9.0   | 23   | 16.0    |      |  |
| 27   | 10.0 | BD   | 8.0  | 7.0  | 8.0   | 8.0   | 7.0   | 6.0   | 5.0  | 4.0  | 3.0  | 3.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0  | 6.0  | 10.0  | 7.0   | 7.0   | 7.0   | 9.0   | 23   | 10.0    |      |  |
| 28   | 8.0  | BD   | 8.0  | 6.0  | 7.0   | 10.0  | 11.0  | 10.0  | 9.0  | 7.0  | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 5.0  | 5.0  | 6.0  | 7.0   | 8.0   | 6.0   | 6.0   | 8.0   | 23   | 11.0    |      |  |
| 29   | 6.0  | BD   | 7.0  | 9.0  | 9.0   | 17.0  | 13.0  | 13.0  | 8.0  | 6.0  | 5.0  | 4.0  | 3.0  | 4.0  | 4.0  | 5.0  | 6.0  | 4.0  | 5.0  | 6.0   | 9.0   | 16.0  | 18.0  | 25.0  | 23   | 25.0    |      |  |
| 30   | 17.0 | BD   | 7.0  | 7.0  | 8.0   | 8.0   | 8.0   | 8.0   | 7.0  | 7.0  | 6.0  | 7.0  | 6.0  | 18.0 | AZ   | AZ   | AZ   | AZ   | AZ   | AZ    | AZ    | 57.0  | 83.0  | 93.0  | 93.0 | 17      | 93.0 |  |
| 31   |      |      |      |      |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |      |         | 0    |  |
| NO.: | 30   |      | 30   | 30   | 30    | 30    | 30    | 30    | 30   | 30   | 30   | 30   | 30   | 30   | 29   | 29   | 29   | 29   | 29   | 29    | 30    | 30    | 30    | 30    |      |         |      |  |
| MAX: | 24.0 |      | 29.0 | 21.0 | 31.0  | 28.0  | 23.0  | 18.0  | 18.0 | 13.0 | 10.0 | 9.0  | 9.0  | 18.0 | 8.0  | 11.0 | 11.0 | 17.0 | 22.0 | 23.0  | 57.0  | 83.0  | 93.0  | 93.0  |      |         |      |  |
| AVG: | 9.70 |      | 8.77 | 8.70 | 10.70 | 12.13 | 11.93 | 10.20 | 6.90 | 5.80 | 4.67 | 4.27 | 4.17 | 4.63 | 4.21 | 4.90 | 5.69 | 5.62 | 7.07 | 10.07 | 14.00 | 14.33 | 14.47 | 14.37 |      |         |      |  |

MONTHLY OBSERVATIONS: 684 MONTHLY MEAN: 8.60 MONTHLY MAX: 93.0

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022 POC: 1  
 COUNTY: (067) Forsyth  
 CITY: (75000) Winston-Salem  
 SITE ADDRESS: 1300 BLK. HATTIE AVENUE  
 SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.  
 MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina  
 AQCR: (136) NORTHERN PIEDMONT  
 URBANIZED AREA: (9220) WINSTON-SALEM, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0  
 LATITUDE: 36.110556  
 LONGITUDE: -80.226667  
 UTM ZONE: 17  
 UTM NORTHING: 3996287  
 UTM EASTING: 569604  
 ELEVATION-MSL: 284  
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JULY 2010

DURATION: 1 HOUR  
 UNITS: Parts per billion  
 MIN DETECTABLE: .05

| 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    | 93.0  | BD   | 85.0  | 83.0  | 83.0  | 81.0  | 77.0  | 72.0  | 66.0 | 60.0 | 56.0 | 54.0 | 53.0 | 50.0 | 47.0 | 45.0 | 42.0 | 20.0 | 41.0 | 58.0 | 70.0  | 77.0  | 83.0  | 87.0  | 23  | 93.0    |      |
| 2    | 88.0  | BD   | 90.0  | 90.0  | 86.0  | 83.0  | 80.0  | 75.0  | 73.0 | 28.0 | 3.0  | 3.0  | 3.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 8.0  | 10.0  | 13.0  | 17.0  | 17.0  | 23  | 90.0    |      |
| 3    | 15.0  | BD   | 32.0  | 19.0  | 10.0  | 9.0   | 7.0   | 7.0   | 6.0  | 5.0  | 4.0  | 3.0  | 3.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 8.0  | 9.0   | 12.0  | 11.0  | 13.0  | 23  | 32.0    |      |
| 4    | 9.0   | BD   | 13.0  | 16.0  | 14.0  | 13.0  | 14.0  | 8.0   | 6.0  | 5.0  | 4.0  | 3.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 8.0  | 8.0   | 14.0  | 12.0  | 14.0  | 23  | 16.0    |      |
| 5    | 10.0  | BD   | 7.0   | 8.0   | 9.0   | 13.0  | 12.0  | 9.0   | 7.0  | 6.0  | 6.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 6.0  | 8.0  | 12.0  | 18.0  | 9.0   | 13.0  | 23  | 18.0    |      |
| 6    | 12.0  | BD   | 10.0  | 13.0  | 17.0  | 21.0  | 20.0  | 10.0  | 7.0  | 5.0  | 5.0  | 4.0  | 4.0  | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 9.0  | 18.0  | 20.0  | 13.0  | 15.0  | 23  | 21.0    |      |
| 7    | 13.0  | BD   | 13.0  | 12.0  | 16.0  | 28.0  | 23.0  | 23.0  | 15.0 | 10.0 | 6.0  | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 5.0  | 6.0  | 10.0 | 27.0  | 23.0  | 26.0  | 17.0  | 23  | 28.0    |      |
| 8    | 17.0  | BD   | 16.0  | 12.0  | 8.0   | 6.0   | 6.0   | 6.0   | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 8.0  | 9.0  | 9.0   | 11.0  | 9.0   | 5.0   | 23  | 17.0    |      |
| 9    | 8.0   | BD   | 6.0   | 8.0   | 9.0   | 10.0  | 7.0   | 6.0   | 7.0  | 9.0  | 9.0  | 8.0  | 7.0  | 7.0  | 7.0  | 6.0  | 8.0  | 9.0  | 11.0 | 11.0 | 7.0   | 8.0   | 7.0   | 11.0  | 23  | 11.0    |      |
| 10   | 12.0  | BD   | 9.0   | 8.0   | 7.0   | 9.0   | 9.0   | 7.0   | 6.0  | 5.0  | 5.0  | 4.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 4.0  | 5.0  | 6.0  | 8.0   | 11.0  | 12.0  | 15.0  | 23  | 15.0    |      |
| 11   | 14.0  | BD   | 19.0  | 15.0  | 17.0  | 13.0  | 10.0  | 4.0   | 3.0  | 5.0  | 5.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 5.0  | 8.0  | 14.0  | 14.0  | 8.0   | 7.0   | 23  | 19.0    |      |
| 12   | 7.0   | BD   | 7.0   | 7.0   | 9.0   | 12.0  | 11.0  | 11.0  | 8.0  | 8.0  | 5.0  | 6.0  | 11.0 | 9.0  | 7.0  | 6.0  | 6.0  | 7.0  | 7.0  | 10.0 | 10.0  | 13.0  | 18.0  | 17.0  | 23  | 18.0    |      |
| 13   | 12.0  | BD   | 12.0  | 10.0  | 5.0   | 9.0   | 11.0  | 12.0  | 9.0  | 8.0  | 7.0  | 6.0  | 5.0  | 5.0  | 5.0  | 5.0  | 8.0  | 7.0  | 8.0  | 10.0 | 7.0   | 8.0   | 6.0   | 5.0   | 23  | 12.0    |      |
| 14   | 7.0   | BD   | 9.0   | 4.0   | 5.0   | 7.0   | 8.0   | 8.0   | 6.0  | 5.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 6.0  | 6.0  | 14.0  | 21.0  | 19.0  | 34.0  | 23  | 34.0    |      |
| 15   | 31.0  | BD   | 19.0  | 20.0  | 23.0  | 26.0  | 17.0  | 12.0  | 6.0  | 5.0  | 5.0  | 6.0  | BC   | BC   | BC   | AL   | AL   | AL   | AL   | AL   | AL    | AL    | AL    | AL    | AL  | 11      | 31.0 |
| 16   | AL    | AL   | AL    | AL    | AL    | AL    | AL    | AL    | AL   | AL   | AL   | BC   | BC   | BC   | BC   | AL   | AL   | AL   | AL   | AL   | AL    | AL    | AL    | AL    | AL  | 6       | 6.0  |
| 17   | 8.0   | BD   | 6.0   | 5.0   | 5.0   | 5.0   | 4.0   | 5.0   | 5.0  | 1.0  | 2.0  | 4.0  | 5.0  | 4.0  | .0   | 1.0  | 3.0  | 6.0  | 4.0  | 4.0  | AL    | AL    | AL    | 1.0   | 20  | 8.0     |      |
| 18   | 1.0   | BD   | 2.0   | 1.0   | 1.0   | .0    | 2.0   | 1.0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 1.0  | 2.0  | 4.0  | 4.0  | 8.0  | AL    | AL    | AL    | 1.0   | 20  | 8.0     |      |
| 19   | 1.0   | BD   | 2.0   | 2.0   | 3.0   | 3.0   | 4.0   | 5.0   | 3.0  | 2.0  | 2.0  | 1.0  | .0   | .0   | 1.0  | 1.0  | 1.0  | 2.0  | 2.0  | 4.0  | 4.0   | 5.0   | 5.0   | 8.0   | 23  | 8.0     |      |
| 20   | 10.0  | 10.0 | 11.0  | 8.0   | 8.0   | 12.0  | 11.0  | 7.0   | 6.0  | 3.0  | 2.0  | .0   | .0   | .0   | .0   | 5.0  | 9.0  | 16.0 | 15.0 | 7.0  | 17.0  | 17.0  | 20.0  | 12.0  | 24  | 20.0    |      |
| 21   | 14.0  | 16.0 | 12.0  | 9.0   | 6.0   | 5.0   | 7.0   | 7.0   | 7.0  | 5.0  | 6.0  | 2.0  | 1.0  | .0   | .0   | 1.0  | 2.0  | 3.0  | 3.0  | 4.0  | 7.0   | 15.0  | 15.0  | 12.0  | 24  | 16.0    |      |
| 22   | 9.0   | 9.0  | 8.0   | 11.0  | 11.0  | 11.0  | 11.0  | 7.0   | 5.0  | .0   | .0   | .0   | .0   | .0   | 1.0  | 1.0  | 1.0  | .0   | 1.0  | 2.0  | 2.0   | 5.0   | 12.0  | 7.0   | 24  | 12.0    |      |
| 23   | 1.0   | 1.0  | 1.0   | 2.0   | 1.0   | 13.0  | 11.0  | 7.0   | 5.0  | 2.0  | 1.0  | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 2.0  | 8.0  | 9.0   | 8.0   | 4.0   | 4.0   | 24  | 13.0    |      |
| 24   | 5.0   | 5.0  | 5.0   | 4.0   | 4.0   | 5.0   | 6.0   | 4.0   | 3.0  | 2.0  | .0   | .0   | .0   | .0   | .0   | .0   | 1.0  | 2.0  | 2.0  | 3.0  | 4.0   | 7.0   | 5.0   | 3.0   | 24  | 7.0     |      |
| 25   | 3.0   | 2.0  | 3.0   | 4.0   | 3.0   | 4.0   | 3.0   | 2.0   | 1.0  | 1.0  | .0   | .0   | .0   | .0   | .0   | .0   | 1.0  | 2.0  | 2.0  | 3.0  | 3.0   | 5.0   | 6.0   | 4.0   | 24  | 6.0     |      |
| 26   | 5.0   | 8.0  | 10.0  | 11.0  | 14.0  | 10.0  | 6.0   | 1.0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 1.0  | 2.0  | 5.0  | 8.0   | 10.0  | 8.0   | 2.0   | 24  | 14.0    |      |
| 27   | 3.0   | 3.0  | 2.0   | 5.0   | 4.0   | 5.0   | 12.0  | 13.0  | 9.0  | 6.0  | 2.0  | 2.0  | BF   | BF   | 4.0  | 1.0  | 1.0  | 2.0  | 4.0  | 6.0  | 3.0   | 7.0   | 4.0   | 4.0   | 22  | 13.0    |      |
| 28   | 6.0   | 3.0  | 4.0   | 4.0   | 3.0   | 4.0   | 5.0   | 8.0   | 3.0  | 3.0  | 5.0  | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 1.0  | 2.0  | 4.0  | 6.0   | 5.0   | 3.0   | 4.0   | 24  | 8.0     |      |
| 29   | 3.0   | 3.0  | 3.0   | 4.0   | 4.0   | 6.0   | 9.0   | 8.0   | 4.0  | 1.0  | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 2.0  | 4.0  | 4.0   | 6.0   | 2.0   | .0    | 24  | 9.0     |      |
| 30   | .0    | 1.0  | 3.0   | 1.0   | 1.0   | 2.0   | 1.0   | .0    | .0   | .0   | 1.0  | .0   | .0   | .0   | 1.0  | 4.0  | 3.0  | 3.0  | 2.0  | 5.0  | 7.0   | 10.0  | 13.0  | 7.0   | 24  | 13.0    |      |
| 31   | 6.0   | 4.0  | 4.0   | 3.0   | 3.0   | 1.0   | 1.0   | 2.0   | 2.0  | 4.0  | 4.0  | 3.0  | 3.0  | 2.0  | 3.0  | 2.0  | 2.0  | 2.0  | 3.0  | 3.0  | 3.0   | 3.0   | 3.0   | 1.0   | 24  | 6.0     |      |
| NO.: | 30    | 12   | 30    | 30    | 30    | 30    | 30    | 30    | 30   | 30   | 30   | 30   | 28   | 28   | 29   | 30   | 30   | 30   | 30   | 30   | 27    | 27    | 27    | 30    |     |         |      |
| MAX: | 93.0  | 16.0 | 90.0  | 90.0  | 86.0  | 83.0  | 80.0  | 75.0  | 73.0 | 60.0 | 56.0 | 54.0 | 53.0 | 50.0 | 47.0 | 45.0 | 42.0 | 20.0 | 41.0 | 58.0 | 70.0  | 77.0  | 83.0  | 87.0  |     |         |      |
| AVG: | 14.10 | 5.42 | 14.10 | 13.30 | 12.97 | 14.20 | 13.50 | 11.57 | 9.43 | 6.60 | 5.10 | 4.37 | 4.36 | 4.18 | 3.93 | 4.07 | 4.50 | 4.33 | 5.83 | 8.07 | 11.11 | 13.56 | 12.96 | 11.53 |     |         |      |

MONTHLY OBSERVATIONS: 688 MONTHLY MEAN: 8.95 MONTHLY MAX: 93.0

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
AIR QUALITY SYSTEM  
RAW DATA REPORT

Dec. 15, 2015

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022      POC: 1  
COUNTY: (067) Forsyth  
CITY: (75000) Winston-Salem  
SITE ADDRESS: 1300 BLK. HATTIE AVENUE  
SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.  
MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina  
AQCR: (136) NORTHERN PIEDMONT  
URBANIZED AREA: (9220) WINSTON-SALEM, NC  
LAND USE: RESIDENTIAL  
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0  
LATITUDE: 36.110556  
LONGITUDE: -80.226667  
UTM ZONE: 17  
UTM NORTHING: 3996287  
UTM EASTING: 569604  
ELEVATION-MSL: 284  
PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department  
MONITOR TYPE: SLAMS  
COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel  
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR:    AUGUST         2010

DURATION: 1 HOUR  
UNITS: Parts per billion  
MIN DETECTABLE: .05

| 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    | 1.0  | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 1.0  | .0   | .0   | .0   | .0   | .0   | 3.0  | 1.0  | .0   | 1.0  | 3.0  | 1.0  | .0   | .0   | 24  | 3.0     |  |
| 2    | .0   | .0   | .0   | 1.0  | 1.0  | 1.0  | 2.0  | 4.0  | 2.0  | 1.0  | 1.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 2.0  | 2.0  | 3.0  | 4.0  | 4.0  | 6.0  | 3.0  | 3.0  | 24  | 6.0     |  |
| 3    | 4.0  | 3.0  | 4.0  | 3.0  | 5.0  | 7.0  | 9.0  | 10.0 | 13.0 | 5.0  | 1.0  | 2.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 2.0  | 4.0  | 8.0  | 6.0  | 4.0  | 3.0  | 24  | 13.0    |  |
| 4    | 3.0  | 3.0  | 3.0  | 5.0  | 5.0  | 8.0  | 10.0 | 11.0 | 7.0  | 6.0  | 4.0  | 4.0  | 2.0  | 2.0  | 1.0  | .0   | 2.0  | 3.0  | 4.0  | 6.0  | 6.0  | 7.0  | 4.0  | 5.0  | 24  | 11.0    |  |
| 5    | 3.0  | 3.0  | 4.0  | 4.0  | 4.0  | 6.0  | 6.0  | 4.0  | 3.0  | 3.0  | 2.0  | 1.0  | 1.0  | 1.0  | 1.0  | 9.0  | 7.0  | 7.0  | 9.0  | 8.0  | 3.0  | 6.0  | 4.0  | 4.0  | 24  | 9.0     |  |
| 6    | 3.0  | 3.0  | 3.0  | 5.0  | 7.0  | 7.0  | 6.0  | 5.0  | 5.0  | 3.0  | 1.0  | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 2.0  | 6.0  | 5.0  | 15.0 | 11.0 | 7.0  | 24  | 15.0    |  |
| 7    | 7.0  | 9.0  | 7.0  | 3.0  | 1.0  | .0   | .0   | .0   | 1.0  | 1.0  | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 3.0  | 7.0  | 11.0 | 8.0  | 5.0  | 5.0  | 24  | 11.0    |  |
| 8    | 4.0  | 2.0  | 2.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 1.0  | 2.0  | 4.0  | 11.0 | 11.0 | 9.0  | 9.0  | 5.0  | 24  | 11.0    |  |
| 9    | 7.0  | 6.0  | 4.0  | 3.0  | 4.0  | 8.0  | 8.0  | 9.0  | 15.0 | 5.0  | 1.0  | 1.0  | 2.0  | 1.0  | .0   | .0   | 1.0  | 1.0  | 3.0  | 6.0  | 13.0 | 11.0 | 10.0 | 8.0  | 24  | 15.0    |  |
| 10   | 3.0  | 3.0  | 4.0  | 5.0  | 9.0  | 10.0 | 14.0 | 13.0 | 7.0  | 5.0  | 3.0  | BF   | BF   | BF   | 3.0  | 1.0  | 2.0  | 4.0  | 4.0  | 9.0  | BD   | BD   | 4.0  | 4.0  | 19  | 14.0    |  |
| 11   | 4.0  | 7.0  | 4.0  | 6.0  | 8.0  | 10.0 | 14.0 | 10.0 | 6.0  | 4.0  | 2.0  | 1.0  | .0   | .0   | .0   | .0   | 2.0  | 1.0  | 2.0  | 5.0  | 6.0  | 2.0  | 1.0  | 3.0  | 24  | 14.0    |  |
| 12   | 6.0  | 2.0  | 1.0  | 2.0  | 6.0  | 8.0  | 14.0 | 6.0  | 3.0  | 1.0  | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 1.0  | 3.0  | 10.0 | 15.0 | 12.0 | 10.0 | 5.0  | 24  | 15.0    |  |
| 13   | 10.0 | 15.0 | 7.0  | 2.0  | 2.0  | 4.0  | 3.0  | 2.0  | 3.0  | 3.0  | 3.0  | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 3.0  | 5.0  | 6.0  | 10.0 | 9.0  | 5.0  | 24  | 15.0    |  |
| 14   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 1.0  | 2.0  | 3.0  | 5.0  | 1.0  | .0   | 24  | 5.0     |  |
| 15   | .0   | .0   | .0   | 1.0  | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 1.0  | 6.0  | 7.0  | 17.0 | 10.0 | 2.0  | 24  | 17.0    |  |
| 16   | 2.0  | 3.0  | 3.0  | 5.0  | 5.0  | 7.0  | 9.0  | 6.0  | 2.0  | .0   | 1.0  | .0   | 1.0  | .0   | .0   | 1.0  | 1.0  | 3.0  | 6.0  | 10.0 | 19.0 | 21.0 | 19.0 | 9.0  | 24  | 21.0    |  |
| 17   | 5.0  | 5.0  | 4.0  | 6.0  | 4.0  | 7.0  | 9.0  | 6.0  | 3.0  | 1.0  | .0   | .0   | .0   | .0   | 3.0  | 6.0  | 10.0 | 4.0  | 5.0  | 3.0  | 5.0  | 5.0  | 1.0  | .0   | 24  | 10.0    |  |
| 18   | 1.0  | 2.0  | 3.0  | 4.0  | 3.0  | 7.0  | 8.0  | 7.0  | 3.0  | 2.0  | 1.0  | .0   | 1.0  | .0   | .0   | 1.0  | 2.0  | .0   | 2.0  | 4.0  | 1.0  | 7.0  | 5.0  | 2.0  | 24  | 8.0     |  |
| 19   | 2.0  | 2.0  | 1.0  | .0   | .0   | 1.0  | 7.0  | 8.0  | 7.0  | 8.0  | 5.0  | 2.0  | 2.0  | 3.0  | 2.0  | 1.0  | 1.0  | 1.0  | 2.0  | 2.0  | 4.0  | 4.0  | 4.0  | 3.0  | 24  | 8.0     |  |
| 20   | 2.0  | 1.0  | 1.0  | .0   | 2.0  | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 2.0  | 6.0  | 12.0 | 6.0  | 7.0  | 9.0  | 24  | 12.0    |  |
| 21   | 9.0  | 7.0  | 6.0  | 5.0  | 5.0  | 4.0  | 4.0  | 2.0  | 3.0  | 1.0  | .0   | .0   | .0   | .0   | .0   | .0   | 1.0  | 2.0  | 6.0  | 7.0  | 5.0  | 6.0  | 6.0  | 3.0  | 24  | 9.0     |  |
| 22   | 6.0  | 3.0  | 3.0  | 4.0  | 1.0  | 2.0  | 2.0  | 2.0  | 1.0  | 1.0  | 1.0  | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 3.0  | 3.0  | 3.0  | 3.0  | 7.0  | 5.0  | 24  | 7.0     |  |
| 23   | 5.0  | 3.0  | 5.0  | 6.0  | 10.0 | 14.0 | 19.0 | 16.0 | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 2.0  | 6.0  | 7.0  | 8.0  | 4.0  | 1.0  | 24  | 19.0    |  |
| 24   | .0   | .0   | .0   | .0   | .0   | 1.0  | 1.0  | 1.0  | .0   | .0   | .0   | .0   | BF   | BF   | .0   | 2.0  | 2.0  | 5.0  | 3.0  | 1.0  | .0   | .0   | .0   | .0   | 22  | 5.0     |  |
| 25   | .0   | .0   | .0   | .0   | .0   | 1.0  | 2.0  | 4.0  | 3.0  | 1.0  | 3.0  | 4.0  | 5.0  | 4.0  | .0   | .0   | 1.0  | 2.0  | 5.0  | 17.0 | 19.0 | 22.0 | 21.0 | 18.0 | 24  | 22.0    |  |
| 26   | 19.0 | 10.0 | 7.0  | 14.0 | 16.0 | 17.0 | 10.0 | 17.0 | 12.0 | 4.0  | .0   | .0   | .0   | .0   | 3.0  | 1.0  | 1.0  | 1.0  | 6.0  | 7.0  | 2.0  | 3.0  | 3.0  | .0   | 24  | 19.0    |  |
| 27   | .0   | 1.0  | .0   | .0   | .0   | 3.0  | 3.0  | 1.0  | 1.0  | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 3.0  | 4.0  | 3.0  | 5.0  | 5.0  | 5.0  | 24  | 5.0     |  |
| 28   | 2.0  | 2.0  | 2.0  | 3.0  | 1.0  | 1.0  | 1.0  | 1.0  | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 2.0  | 6.0  | 9.0  | 10.0 | 9.0  | 8.0  | 24  | 10.0    |  |
| 29   | 7.0  | 8.0  | 5.0  | 3.0  | 4.0  | 3.0  | 2.0  | 1.0  | 1.0  | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 5.0  | 7.0  | 8.0  | 8.0  | 12.0 | 9.0  | 24  | 12.0    |  |
| 30   | 5.0  | 5.0  | 6.0  | 7.0  | 18.0 | 19.0 | 14.0 | 16.0 | 13.0 | 4.0  | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 2.0  | 2.0  | 24.0 | 18.0 | 31.0 | 32.0 | 42.0 | 24  | 42.0    |  |
| 31   | 30.0 | 23.0 | 23.0 | 12.0 | 10.0 | 15.0 | 9.0  | 16.0 | 11.0 | 1.0  | .0   | .0   | .0   | 1.0  | 1.0  | 1.0  | 1.0  | 2.0  | 7.0  | 23.0 | 33.0 | 17.0 | 18.0 | 10.0 | 24  | 33.0    |  |
| NO.: | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 30   | 29   | 29   | 31   | 31   | 31   | 31   | 31   | 31   | 30   | 30   | 31   | 31   |     |         |  |
| MAX: | 30.0 | 23.0 | 23.0 | 14.0 | 18.0 | 19.0 | 19.0 | 17.0 | 15.0 | 8.0  | 5.0  | 4.0  | 5.0  | 4.0  | 3.0  | 9.0  | 10.0 | 7.0  | 9.0  | 24.0 | 33.0 | 31.0 | 32.0 | 42.0 |     |         |  |
| AVG: | 4.84 | 4.23 | 3.61 | 3.55 | 4.26 | 5.55 | 6.03 | 5.77 | 4.06 | 1.94 | .97  | .57  | .59  | .52  | .55  | .87  | 1.32 | 1.45 | 3.39 | 7.10 | 8.30 | 9.03 | 7.68 | 5.90 |     |         |  |

MONTHLY OBSERVATIONS:    737        MONTHLY MEAN:        3.85        MONTHLY MAX:        42.0

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
AIR QUALITY SYSTEM  
RAW DATA REPORT

Dec. 15, 2015

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022 POC: 1  
COUNTY: (067) Forsyth  
CITY: (75000) Winston-Salem  
SITE ADDRESS: 1300 BLK. HATTIE AVENUE  
SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.  
MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina  
AQCR: (136) NORTHERN PIEDMONT  
URBANIZED AREA: (9220) WINSTON-SALEM, NC  
LAND USE: RESIDENTIAL  
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0  
LATITUDE: 36.110556  
LONGITUDE: -80.226667  
UTM ZONE: 17  
UTM NORTHING: 3996287  
UTM EASTING: 569604  
ELEVATION-MSL: 284  
PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department  
MONITOR TYPE: SLAMS  
COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel  
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: SEPTEMBER 2010

DURATION: 1 HOUR  
UNITS: Parts per billion  
MIN DETECTABLE: .05

| 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    | 11.0 | 15.0 | 12.0 | 21.0 | 21.0 | 18.0 | 13.0 | 11.0 | 7.0  | 4.0  | .0   | .0   | .0   | .0   | .0   | 1.0  | 2.0  | 6.0  | 8.0  | 7.0   | 12.0  | 10.0  | 7.0  | 11.0 | 24   | 21.0    |      |
| 2    | 11.0 | 13.0 | 8.0  | 10.0 | 11.0 | 8.0  | 11.0 | 15.0 | 26.0 | 11.0 | 1.0  | 3.0  | .0   | .0   | .0   | .0   | .0   | 1.0  | 3.0  | 6.0   | 8.0   | 5.0   | 27.0 | 26.0 | 24   | 27.0    |      |
| 3    | 18.0 | 19.0 | 8.0  | 5.0  | 6.0  | 12.0 | 12.0 | 10.0 | 5.0  | 3.0  | 1.0  | .0   | .0   | .0   | 1.0  | 1.0  | 1.0  | 3.0  | 5.0  | 3.0   | 2.0   | 3.0   | 3.0  | 1.0  | 24   | 19.0    |      |
| 4    | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | .0   | 1.0  | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 2.0  | 7.0   | 10.0  | 4.0   | 2.0  | 2.0  | 24   | 10.0    |      |
| 5    | 4.0  | 2.0  | .0   | 2.0  | 2.0  | 2.0  | 1.0  | 4.0  | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 3.0  | 11.0  | 21.0  | 26.0  | 21.0 | 12.0 | 24   | 26.0    |      |
| 6    | 10.0 | 7.0  | 5.0  | 6.0  | 2.0  | 1.0  | 1.0  | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 4.0  | 23.0  | 24.0  | 16.0  | 12.0 | 10.0 | 24   | 24.0    |      |
| 7    | 8.0  | 7.0  | 4.0  | 4.0  | 3.0  | 8.0  | 6.0  | 8.0  | 4.0  | 2.0  | 2.0  | BF   | BF   | .0   | .0   | 1.0  | 2.0  | 2.0  | 10.0 | 20.0  | 21.0  | 22.0  | 9.0  | 5.0  | 22   | 22.0    |      |
| 8    | 4.0  | 4.0  | 8.0  | 10.0 | 11.0 | 9.0  | 13.0 | 12.0 | 11.0 | 11.0 | 12.0 | 12.0 | 13.0 | 9.0  | 12.0 | 7.0  | 6.0  | 4.0  | 5.0  | 11.0  | 12.0  | 12.0  | 13.0 | 13.0 | 10.0 | 24      | 13.0 |
| 9    | 4.0  | 4.0  | 10.0 | 15.0 | 24.0 | 31.0 | 25.0 | 27.0 | 15.0 | 3.0  | 1.0  | 1.0  | 1.0  | .0   | 1.0  | 1.0  | 2.0  | 4.0  | 7.0  | 8.0   | 10.0  | 7.0   | 13.0 | 10.0 | 24   | 31.0    |      |
| 10   | 2.0  | .0   | .0   | .0   | 1.0  | 3.0  | 7.0  | 7.0  | 2.0  | 1.0  | .0   | 1.0  | 2.0  | 1.0  | .0   | .0   | 2.0  | 4.0  | 14.0 | 31.0  | 24.0  | 24.0  | 9.0  | 3.0  | 24   | 31.0    |      |
| 11   | 1.0  | 1.0  | .0   | .0   | .0   | 1.0  | 1.0  | 1.0  | 1.0  | .0   | 2.0  | 3.0  | 4.0  | 4.0  | 6.0  | 2.0  | 2.0  | 3.0  | 5.0  | 3.0   | 3.0   | 3.0   | 3.0  | 3.0  | 24   | 6.0     |      |
| 12   | 3.0  | 3.0  | 1.0  | 1.0  | 3.0  | 1.0  | .0   | 1.0  | 1.0  | 2.0  | 1.0  | .0   | .0   | .0   | .0   | .0   | .0   | 2.0  | 6.0  | 13.0  | 9.0   | 4.0   | 3.0  | 4.0  | 24   | 13.0    |      |
| 13   | 4.0  | 7.0  | 9.0  | 11.0 | 17.0 | 22.0 | 17.0 | 17.0 | 8.0  | 4.0  | .0   | .0   | .0   | .0   | .0   | .0   | 1.0  | 3.0  | 6.0  | 7.0   | 7.0   | 11.0  | 10.0 | 12.0 | 24   | 22.0    |      |
| 14   | 14.0 | 13.0 | 17.0 | 5.0  | 14.0 | 19.0 | 19.0 | 14.0 | 6.0  | 2.0  | 1.0  | 1.0  | .0   | .0   | .0   | 1.0  | 2.0  | 5.0  | 10.0 | 15.0  | 11.0  | 10.0  | 14.0 | 7.0  | 24   | 19.0    |      |
| 15   | 10.0 | 23.0 | 13.0 | 17.0 | 15.0 | 15.0 | 12.0 | 16.0 | 23.0 | 19.0 | 9.0  | 4.0  | 3.0  | 3.0  | 1.0  | .0   | .0   | 2.0  | 10.0 | 26.0  | 39.0  | 26.0  | 15.0 | 9.0  | 24   | 39.0    |      |
| 16   | 3.0  | 4.0  | 7.0  | 10.0 | 13.0 | 18.0 | 24.0 | 15.0 | 8.0  | 5.0  | 2.0  | 1.0  | .0   | .0   | 1.0  | 2.0  | 3.0  | 3.0  | 5.0  | 4.0   | 7.0   | 6.0   | 6.0  | 5.0  | 24   | 24.0    |      |
| 17   | 3.0  | 2.0  | 2.0  | 2.0  | 3.0  | 5.0  | 12.0 | 12.0 | 11.0 | 13.0 | 7.0  | .0   | .0   | .0   | .0   | .0   | 1.0  | 2.0  | 5.0  | 6.0   | 9.0   | 4.0   | 4.0  | 1.0  | 24   | 13.0    |      |
| 18   | .0   | .0   | .0   | .0   | .0   | .0   | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | .0   | .0   | .0   | .0   | .0   | .0   | 1.0  | 7.0  | 9.0   | 16.0  | 22.0  | 14.0 | 13.0 | 24   | 22.0    |      |
| 19   | 14.0 | 6.0  | 11.0 | 7.0  | 8.0  | 8.0  | 6.0  | 2.0  | .0   | 4.0  | 1.0  | .0   | .0   | .0   | .0   | .0   | .0   | 1.0  | 7.0  | 12.0  | 19.0  | 15.0  | 13.0 | 9.0  | 24   | 19.0    |      |
| 20   | 4.0  | 5.0  | 6.0  | 4.0  | 5.0  | 23.0 | 29.0 | 27.0 | 7.0  | .0   | .0   | .0   | .0   | .0   | .0   | .0   | 1.0  | 4.0  | 16.0 | 19.0  | 14.0  | 22.0  | 6.0  | 4.0  | 24   | 29.0    |      |
| 21   | 3.0  | 2.0  | .0   | 1.0  | 1.0  | 3.0  | 4.0  | 4.0  | 4.0  | 4.0  | 1.0  | BF   | BF   | BF   | 1.0  | 1.0  | 2.0  | 3.0  | 10.0 | 18.0  | 20.0  | 6.0   | 6.0  | 3.0  | 21   | 20.0    |      |
| 22   | .0   | .0   | .0   | .0   | .0   | 1.0  | 3.0  | 5.0  | 6.0  | 4.0  | 4.0  | 3.0  | 2.0  | 2.0  | 1.0  | 1.0  | 2.0  | 5.0  | 9.0  | 4.0   | 1.0   | 6.0   | 11.0 | 14.0 | 24   | 14.0    |      |
| 23   | 7.0  | 13.0 | 19.0 | 21.0 | 25.0 | 25.0 | 26.0 | 20.0 | 13.0 | 9.0  | 3.0  | 3.0  | 1.0  | 1.0  | 1.0  | .0   | 1.0  | 3.0  | 10.0 | 40.0  | 32.0  | 48.0  | 37.0 | 25.0 | 24   | 48.0    |      |
| 24   | 8.0  | 6.0  | 4.0  | 6.0  | 6.0  | 8.0  | 15.0 | 14.0 | 9.0  | 6.0  | 4.0  | 1.0  | .0   | .0   | 1.0  | 1.0  | 2.0  | 6.0  | 12.0 | 27.0  | 32.0  | 9.0   | 8.0  | 8.0  | 24   | 32.0    |      |
| 25   | 11.0 | 14.0 | 15.0 | 17.0 | 9.0  | 9.0  | 10.0 | 9.0  | 7.0  | 6.0  | 4.0  | 1.0  | 1.0  | .0   | .0   | .0   | 2.0  | 4.0  | 8.0  | 5.0   | 4.0   | 2.0   | 2.0  | 5.0  | 24   | 17.0    |      |
| 26   | 6.0  | 5.0  | 5.0  | 3.0  | 1.0  | .0   | .0   | 1.0  | .0   | .0   | .0   | 1.0  | 4.0  | 1.0  | 2.0  | 2.0  | 1.0  | 1.0  | 1.0  | 1.0   | .0    | 2.0   | 1.0  | .0   | 24   | 6.0     |      |
| 27   | .0   | .0   | .0   | .0   | .0   | 1.0  | 3.0  | 3.0  | 2.0  | 1.0  | 2.0  | 3.0  | 5.0  | 4.0  | 5.0  | 2.0  | 1.0  | 3.0  | 1.0  | .0    | .0    | .0    | 1.0  | 24   | 5.0  |         |      |
| 28   | 1.0  | 1.0  | 3.0  | .0   | .0   | 2.0  | 5.0  | 6.0  | 4.0  | 2.0  | 2.0  | AZ   | AZ   | AZ   | AZ   | AZ   | AZ   | 6.0  | 11.0 | 20.0  | 17.0  | 16.0  | 11.0 | 4.0  | 18   | 20.0    |      |
| 29   | 1.0  | 2.0  | .0   | .0   | 5.0  | 11.0 | 2.0  | 4.0  | 2.0  | 3.0  | 5.0  | 4.0  | 1.0  | .0   | AZ   | AZ   | AZ   | AZ   | AZ   | AZ    | AZ    | 1.0   | 1.0  | 2.0  | 17   | 11.0    |      |
| 30   | 1.0  | 1.0  | 1.0  | .0   | .0   | .0   | .0   | .0   | 3.0  | 1.0  | .0   | .0   | .0   | .0   | .0   | 2.0  | 3.0  | 5.0  | 6.0  | 4.0   | 4.0   | 3.0   | 4.0  | 4.0  | 24   | 6.0     |      |
| 31   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |      |      |      | 0       |      |
| NO.: | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 27   | 27   | 28   | 28   | 28   | 28   | 29   | 29   | 29    | 29    | 30    | 30   | 30   |      |         |      |
| MAX: | 18.0 | 23.0 | 19.0 | 21.0 | 25.0 | 31.0 | 29.0 | 27.0 | 26.0 | 19.0 | 12.0 | 12.0 | 13.0 | 9.0  | 12.0 | 7.0  | 6.0  | 6.0  | 16.0 | 40.0  | 39.0  | 48.0  | 37.0 | 26.0 |      |         |      |
| AVG: | 5.57 | 6.00 | 5.63 | 5.97 | 6.90 | 8.80 | 9.30 | 8.87 | 6.20 | 4.03 | 2.20 | 1.56 | 1.37 | .89  | 1.18 | .89  | 1.39 | 2.97 | 7.10 | 12.41 | 13.38 | 11.50 | 9.50 | 7.43 |      |         |      |

MONTHLY OBSERVATIONS: 702 MONTHLY MEAN: 5.95 MONTHLY MAX: 48.0

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















UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-119-0041 POC: 1  
 COUNTY: (119) Mecklenburg  
 CITY: (12000) Charlotte  
 SITE ADDRESS: 1130 EASTWAY DRIVE  
 SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (167) METROPOLITAN CHARLOTTE  
 URBANIZED AREA: (1510) CHARLOTTE, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0  
 LATITUDE: 35.2401000009  
 LONGITUDE: -80.785683  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 232  
 PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE

PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: APRIL 2010

DURATION: 1 HOUR

UNITS: Parts per billion

MIN DETECTABLE: 1

| 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    | 32.0  | 29.0  | 18.0  | 16.0 | 27.0  | 32.0  | 33.0  | 43.0  | 41.0  | 24.0 | 20.0 | 14.0 | 11.0 | 7.0  | 8.0  | 10.0 | 6.0  | 6.0  | 8.0  | 17.0  | 45.0  | 48.0  | 31.0  | 33.0  | 24  | 48.0    |   |
| 2    | 38.0  | 26.0  | 18.0  | 18.0 | 15.0  | 26.0  | 30.0  | 18.0  | 21.0  | 19.0 | 14.0 | 8.0  | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 9.0  | 15.0  | 26.0  | 23.0  | 11.0  | 7.0   | 24  | 38.0    |   |
| 3    | 5.0   | 5.0   | 5.0   | 5.0  | 6.0   | 9.0   | 7.0   | 5.0   | 5.0   | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 3.0  | 3.0  | 3.0  | 5.0  | 6.0  | 8.0   | 13.0  | 13.0  | 14.0  | 16.0  | 24  | 16.0    |   |
| 4    | 12.0  | 10.0  | 8.0   | 7.0  | 7.0   | 6.0   | 8.0   | 8.0   | 9.0   | 7.0  | 4.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 6.0  | 11.0  | 35.0  | 46.0  | 28.0  | 17.0  | 24  | 46.0    |   |
| 5    | 12.0  | 11.0  | 14.0  | 11.0 | 10.0  | 13.0  | 18.0  | 14.0  | 13.0  | 20.0 | 15.0 | 8.0  | 5.0  | 5.0  | 5.0  | 4.0  | 4.0  | 4.0  | 6.0  | 13.0  | 14.0  | 14.0  | 7.0   | 7.0   | 24  | 20.0    |   |
| 6    | 8.0   | 5.0   | 5.0   | 5.0  | 5.0   | 7.0   | 10.0  | 14.0  | 14.0  | 11.0 | 6.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 3.0  | 4.0  | 6.0   | 5.0   | 5.0   | 6.0   | 4.0   | 24  | 14.0    |   |
| 7    | 4.0   | 5.0   | 4.0   | 4.0  | 5.0   | 8.0   | 12.0  | AZ    | AZ    | AZ   | AZ   | AZ   | AZ   | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 8.0   | 10.0  | 8.0   | 8.0   | 6.0   | 18  | 12.0    |   |
| 8    | 4.0   | 5.0   | 4.0   | 4.0  | 4.0   | 5.0   | 6.0   | 7.0   | 6.0   | 4.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 3.0   | 4.0   | 3.0   | 3.0   | 6.0   | 24  | 7.0     |   |
| 9    | 5.0   | 4.0   | 3.0   | 3.0  | 5.0   | 11.0  | 16.0  | 8.0   | 5.0   | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0  | 6.0  | 4.0  | 4.0  | 6.0  | 12.0  | 15.0  | 17.0  | 15.0  | 15.0  | 24  | 17.0    |   |
| 10   | 18.0  | 22.0  | 20.0  | 11.0 | 8.0   | 11.0  | 18.0  | 13.0  | 9.0   | 6.0  | 3.0  | 3.0  | 3.0  | 2.0  | 3.0  | 2.0  | 2.0  | 3.0  | 7.0  | 25.0  | 31.0  | 42.0  | 40.0  | 34.0  | 24  | 42.0    |   |
| 11   | 32.0  | 25.0  | 22.0  | 15.0 | 9.0   | 9.0   | 10.0  | 8.0   | 6.0   | 5.0  | 5.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0  | 11.0  | 13.0  | 33.0  | 26.0  | 24.0  | 24  | 33.0    |   |
| 12   | 23.0  | 28.0  | 16.0  | 12.0 | 12.0  | 19.0  | 24.0  | 31.0  | 29.0  | 13.0 | 6.0  | 5.0  | 4.0  | 4.0  | 3.0  | 3.0  | 4.0  | 5.0  | 9.0  | 20.0  | 35.0  | 31.0  | 41.0  | 24.0  | 24  | 41.0    |   |
| 13   | 6.0   | 6.0   | 7.0   | 7.0  | 8.0   | 16.0  | 26.0  | 23.0  | 16.0  | BF   | BF   | BF   | BF   | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 8.0   | 13.0  | 11.0  | 11.0  | 13.0  | 20  | 26.0    |   |
| 14   | 10.0  | 6.0   | 6.0   | 5.0  | 5.0   | 9.0   | 12.0  | 10.0  | 7.0   | 6.0  | 5.0  | 5.0  | 5.0  | 5.0  | 5.0  | 4.0  | 4.0  | 4.0  | 5.0  | 6.0   | 7.0   | 8.0   | 5.0   | 5.0   | 24  | 12.0    |   |
| 15   | 7.0   | 7.0   | 10.0  | 8.0  | 8.0   | 14.0  | 18.0  | 18.0  | 14.0  | 17.0 | 20.0 | 16.0 | 14.0 | 8.0  | 7.0  | 6.0  | 5.0  | 7.0  | 9.0  | 13.0  | 18.0  | 20.0  | 35.0  | 28.0  | 24  | 35.0    |   |
| 16   | 23.0  | 17.0  | 18.0  | 17.0 | 13.0  | 12.0  | 20.0  | 24.0  | 19.0  | 18.0 | 12.0 | 8.0  | 7.0  | BA   | 3.0  | 4.0  | 5.0  | 6.0  | 7.0  | 9.0   | 8.0   | 7.0   | 5.0   | 5.0   | 23  | 24.0    |   |
| 17   | 6.0   | 6.0   | 6.0   | 7.0  | 7.0   | 8.0   | 11.0  | 14.0  | 11.0  | 7.0  | 5.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 5.0  | 10.0  | 16.0  | 13.0  | 14.0  | 8.0   | 24  | 16.0    |   |
| 18   | 5.0   | 5.0   | 4.0   | 7.0  | 10.0  | 8.0   | 9.0   | 11.0  | 5.0   | 3.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0  | 9.0   | 16.0  | 28.0  | 32.0  | 19.0  | 24  | 32.0    |   |
| 19   | 26.0  | 22.0  | 15.0  | 12.0 | 17.0  | 27.0  | 20.0  | 12.0  | 5.0   | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 6.0  | 8.0  | 9.0  | 11.0 | 19.0  | 28.0  | 40.0  | 37.0  | 34.0  | 24  | 40.0    |   |
| 20   | 19.0  | 11.0  | 13.0  | 9.0  | 11.0  | 24.0  | 32.0  | 23.0  | 12.0  | 5.0  | 3.0  | 4.0  | 4.0  | 4.0  | 6.0  | 13.0 | 11.0 | 16.0 | 20.0 | 22.0  | 23.0  | 22.0  | 15.0  | 9.0   | 24  | 32.0    |   |
| 21   | 8.0   | 7.0   | 5.0   | 5.0  | 5.0   | 8.0   | 15.0  | 14.0  | 11.0  | 7.0  | 5.0  | 6.0  | 4.0  | 5.0  | 4.0  | 5.0  | 6.0  | 7.0  | 11.0 | 12.0  | 16.0  | 20.0  | 27.0  | 28.0  | 24  | 28.0    |   |
| 22   | 30.0  | 26.0  | 26.0  | 23.0 | 25.0  | 31.0  | 35.0  | 31.0  | 21.0  | 12.0 | 6.0  | 4.0  | 4.0  | 5.0  | 4.0  | 5.0  | 5.0  | 5.0  | 8.0  | 15.0  | 25.0  | 43.0  | 36.0  | 44.0  | 24  | 44.0    |   |
| 23   | 37.0  | 26.0  | 16.0  | 32.0 | 29.0  | 33.0  | 34.0  | 42.0  | 36.0  | 15.0 | BF   | BF   | BF   | 5.0  | 4.0  | 3.0  | 4.0  | 4.0  | 6.0  | 7.0   | 4.0   | 4.0   | 6.0   | 6.0   | 21  | 42.0    |   |
| 24   | 5.0   | 5.0   | 6.0   | 6.0  | 5.0   | 7.0   | 14.0  | 17.0  | 19.0  | 16.0 | 9.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 4.0  | 4.0   | 5.0   | 5.0   | 4.0   | 5.0   | 24  | 19.0    |   |
| 25   | 4.0   | 3.0   | 3.0   | 3.0  | 2.0   | 3.0   | 2.0   | 2.0   | 2.0   | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 4.0   | 4.0   | 4.0   | 4.0   | 5.0   | 24  | 5.0     |   |
| 26   | 4.0   | 5.0   | 4.0   | 4.0  | 4.0   | 11.0  | 12.0  | 8.0   | 9.0   | 7.0  | 4.0  | 4.0  | 4.0  | 5.0  | 5.0  | 7.0  | 8.0  | 5.0  | 7.0  | 6.0   | 8.0   | 7.0   | 7.0   | 5.0   | 24  | 12.0    |   |
| 27   | 5.0   | 5.0   | 5.0   | 7.0  | 7.0   | 16.0  | 21.0  | 16.0  | 10.0  | 5.0  | 6.0  | 9.0  | 10.0 | 7.0  | 7.0  | 8.0  | 9.0  | 11.0 | 12.0 | 15.0  | 12.0  | 23.0  | 8.0   | 6.0   | 24  | 23.0    |   |
| 28   | 6.0   | 7.0   | 7.0   | 9.0  | 11.0  | 17.0  | 24.0  | 17.0  | 9.0   | 6.0  | 4.0  | 3.0  | 3.0  | 3.0  | 4.0  | 3.0  | 4.0  | 4.0  | 7.0  | 13.0  | 24.0  | 35.0  | 34.0  | 30.0  | 24  | 35.0    |   |
| 29   | 26.0  | 20.0  | 20.0  | 16.0 | 21.0  | 23.0  | 24.0  | 29.0  | 13.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 7.0  | 13.0  | 20.0  | 28.0  | 32.0  | 29.0  | 24  | 32.0    |   |
| 30   | 19.0  | 14.0  | 13.0  | 11.0 | 10.0  | 13.0  | 17.0  | 14.0  | 8.0   | 5.0  | 4.0  | 3.0  | 3.0  | 3.0  | 4.0  | 3.0  | 4.0  | 4.0  | 6.0  | 10.0  | 21.0  | 17.0  | 13.0  | 12.0  | 24  | 21.0    |   |
| 31   |       |       |       |      |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |     |         | 0 |
| NO.: | 30    | 30    | 30    | 30   | 30    | 30    | 30    | 29    | 29    | 28   | 27   | 27   | 27   | 29   | 30   | 30   | 30   | 30   | 30   | 30    | 30    | 30    | 30    | 30    | 30  |         |   |
| MAX: | 38.0  | 29.0  | 26.0  | 32.0 | 29.0  | 33.0  | 35.0  | 43.0  | 41.0  | 24.0 | 20.0 | 16.0 | 14.0 | 8.0  | 8.0  | 13.0 | 11.0 | 16.0 | 20.0 | 25.0  | 45.0  | 48.0  | 41.0  | 44.0  |     |         |   |
| AVG: | 14.63 | 12.43 | 10.70 | 9.97 | 10.37 | 14.53 | 17.93 | 17.03 | 13.28 | 9.11 | 6.63 | 5.22 | 4.56 | 4.14 | 4.17 | 4.50 | 4.60 | 5.07 | 7.10 | 11.47 | 17.13 | 20.60 | 18.50 | 16.13 |     |         |   |

MONTHLY OBSERVATIONS: 706 MONTHLY MEAN: 10.90 MONTHLY MAX: 48.0

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
AIR QUALITY SYSTEM  
RAW DATA REPORT

Dec. 15, 2015

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-119-0041 POC: 1  
COUNTY: (119) Mecklenburg  
CITY: (12000) Charlotte  
SITE ADDRESS: 1130 EASTWAY DRIVE  
SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN  
MONITOR COMMENTS:

STATE: (37) North Carolina  
AQCR: (167) METROPOLITAN CHARLOTTE  
URBANIZED AREA: (1510) CHARLOTTE, NC  
LAND USE: RESIDENTIAL  
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0  
LATITUDE: 35.2401000009  
LONGITUDE: -80.785683  
UTM ZONE:  
UTM NORTHING:  
UTM EASTING:  
ELEVATION-MSL: 232  
PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE

PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: MAY 2010

DURATION: 1 HOUR

UNITS: Parts per billion

MIN DETECTABLE: 1

| 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    | 10.0  | 7.0   | 6.0  | 5.0  | 5.0  | 6.0  | 6.0  | 5.0  | 5.0  | 3.0  | 3.0  | 3.0  | 2.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 9.0  | 17.0  | 20.0  | 4.0   | 3.0   | 24  | 20.0    |  |
| 2    | 3.0   | 3.0   | 3.0  | 2.0  | 2.0  | 3.0  | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 3.0  | 3.0   | 2.0   | 3.0   | 3.0   | 24  | 3.0     |  |
| 3    | 3.0   | 3.0   | 3.0  | 3.0  | 3.0  | 4.0  | 6.0  | 7.0  | 7.0  | 4.0  | 3.0  | 3.0  | 3.0  | 4.0  | 5.0  | 4.0  | 6.0  | 5.0  | 5.0  | 4.0  | 3.0   | 2.0   | 2.0   | 2.0   | 24  | 7.0     |  |
| 4    | 2.0   | 4.0   | 7.0  | 4.0  | 5.0  | 7.0  | 11.0 | 10.0 | 9.0  | 7.0  | BF   | BF   | 4.0  | 5.0  | 4.0  | 5.0  | 5.0  | 5.0  | 6.0  | 8.0  | 12.0  | 17.0  | 23.0  | 20.0  | 22  | 23.0    |  |
| 5    | 16.0  | 17.0  | 12.0 | 7.0  | 7.0  | 11.0 | 14.0 | 24.0 | 17.0 | 19.0 | 12.0 | 8.0  | 8.0  | 6.0  | 5.0  | 4.0  | 3.0  | 3.0  | 4.0  | 8.0  | 11.0  | 17.0  | 21.0  | 17.0  | 24  | 24.0    |  |
| 6    | 18.0  | 10.0  | 9.0  | 9.0  | 9.0  | 11.0 | 12.0 | 14.0 | 13.0 | 7.0  | 7.0  | 6.0  | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 7.0  | 9.0  | 12.0  | 18.0  | 17.0  | 16.0  | 24  | 18.0    |  |
| 7    | 16.0  | 22.0  | 21.0 | 10.0 | 8.0  | 10.0 | 17.0 | 10.0 | 5.0  | 4.0  | 4.0  | 4.0  | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 6.0  | 8.0   | 7.0   | 6.0   | 5.0   | 24  | 22.0    |  |
| 8    | 4.0   | 4.0   | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 5.0  | 5.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0   | 4.0   | 3.0   | 4.0   | 24  | 5.0     |  |
| 9    | 4.0   | 6.0   | 3.0  | 2.0  | 3.0  | 3.0  | 4.0  | 5.0  | 3.0  | 4.0  | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 4.0  | 10.0 | 25.0  | 13.0  | 10.0  | 7.0   | 24  | 25.0    |  |
| 10   | 4.0   | 7.0   | 4.0  | 6.0  | 7.0  | 15.0 | 11.0 | 7.0  | 4.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 3.0  | 4.0  | 4.0  | 5.0  | 9.0  | 11.0 | 18.0  | 27.0  | 21.0  | 13.0  | 24  | 27.0    |  |
| 11   | 12.0  | 11.0  | 10.0 | 6.0  | 5.0  | 10.0 | 13.0 | 11.0 | 9.0  | 14.0 | 8.0  | 5.0  | 5.0  | 8.0  | 6.0  | 5.0  | 5.0  | 6.0  | 8.0  | 7.0  | 9.0   | 8.0   | 10.0  | 10.0  | 24  | 14.0    |  |
| 12   | 10.0  | 9.0   | 7.0  | 7.0  | 6.0  | 8.0  | 9.0  | 10.0 | 7.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 3.0  | 4.0  | 4.0  | 6.0   | 9.0   | 12.0  | 13.0  | 24  | 13.0    |  |
| 13   | 14.0  | 13.0  | 10.0 | 8.0  | 7.0  | 9.0  | 11.0 | 12.0 | 8.0  | 11.0 | 9.0  | 8.0  | 4.0  | 4.0  | 3.0  | 3.0  | 4.0  | 5.0  | 7.0  | 13.0 | 20.0  | 25.0  | 31.0  | 15.0  | 24  | 31.0    |  |
| 14   | 11.0  | 9.0   | 9.0  | 8.0  | 9.0  | 10.0 | 12.0 | 11.0 | BF   | BF   | 5.0  | 5.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 6.0  | 7.0   | 7.0   | 11.0  | 8.0   | 22  | 12.0    |  |
| 15   | 12.0  | 20.0  | 9.0  | 3.0  | 4.0  | 6.0  | 7.0  | 6.0  | 11.0 | 12.0 | 5.0  | 5.0  | 4.0  | 5.0  | 5.0  | 4.0  | 3.0  | 4.0  | 10.0 | 16.0 | 33.0  | 39.0  | 29.0  | 30.0  | 24  | 39.0    |  |
| 16   | 30.0  | 29.0  | 25.0 | 13.0 | 8.0  | 5.0  | 5.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 4.0  | 4.0  | 3.0  | 4.0  | 6.0  | 6.0  | 6.0  | 8.0   | 11.0  | 6.0   | 3.0   | 24  | 30.0    |  |
| 17   | 4.0   | 3.0   | 3.0  | 3.0  | 4.0  | 4.0  | 6.0  | 7.0  | 6.0  | 5.0  | 5.0  | 4.0  | 4.0  | 4.0  | 3.0  | 3.0  | 8.0  | 9.0  | 8.0  | 6.0  | 5.0   | 5.0   | 6.0   | 5.0   | 24  | 9.0     |  |
| 18   | 5.0   | 5.0   | 4.0  | 4.0  | 5.0  | 8.0  | 8.0  | 8.0  | 7.0  | 6.0  | 7.0  | 7.0  | 8.0  | 10.0 | 11.0 | 7.0  | 6.0  | 5.0  | 7.0  | 7.0  | 5.0   | 5.0   | 4.0   | 5.0   | 24  | 11.0    |  |
| 19   | 6.0   | 4.0   | 2.0  | 2.0  | 3.0  | 6.0  | 6.0  | 6.0  | 6.0  | 5.0  | 5.0  | 4.0  | 3.0  | 5.0  | 4.0  | 4.0  | 5.0  | 6.0  | 5.0  | 7.0  | 8.0   | 7.0   | 8.0   | 5.0   | 24  | 8.0     |  |
| 20   | 4.0   | 5.0   | 6.0  | 9.0  | 12.0 | 16.0 | 12.0 | 10.0 | 7.0  | 7.0  | 6.0  | 5.0  | 6.0  | 4.0  | 4.0  | 4.0  | 3.0  | 4.0  | 5.0  | 9.0  | 12.0  | 24.0  | 29.0  | 29.0  | 24  | 29.0    |  |
| 21   | 26.0  | 22.0  | 21.0 | 19.0 | 15.0 | 18.0 | 22.0 | 18.0 | 12.0 | 6.0  | 4.0  | 4.0  | 4.0  | 5.0  | 4.0  | 4.0  | 6.0  | 14.0 | 12.0 | 11.0 | 10.0  | 10.0  | 10.0  | 16.0  | 24  | 26.0    |  |
| 22   | 11.0  | 9.0   | 6.0  | 6.0  | 6.0  | 7.0  | 6.0  | 6.0  | 5.0  | 5.0  | 4.0  | 3.0  | 3.0  | 3.0  | 2.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0  | 6.0   | 8.0   | 9.0   | 6.0   | 24  | 11.0    |  |
| 23   | 5.0   | 3.0   | 3.0  | 3.0  | 3.0  | 4.0  | 5.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 2.0  | 2.0  | 3.0  | 2.0  | 3.0  | 4.0  | 5.0  | 5.0   | 4.0   | 3.0   | 4.0   | 24  | 5.0     |  |
| 24   | 3.0   | 4.0   | 5.0  | 6.0  | 5.0  | 6.0  | 8.0  | 7.0  | 5.0  | 4.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 5.0  | 4.0  | 4.0  | 3.0  | 4.0  | 4.0   | 4.0   | 5.0   | 4.0   | 24  | 8.0     |  |
| 25   | 3.0   | 3.0   | 3.0  | 3.0  | 2.0  | 4.0  | 6.0  | 5.0  | 4.0  | 3.0  | 3.0  | BF   | BF   | BF   | 4.0  | 6.0  | 4.0  | 5.0  | 7.0  | 10.0 | 14.0  | 15.0  | 21.0  | 12.0  | 21  | 21.0    |  |
| 26   | 10.0  | 12.0  | 9.0  | 9.0  | 8.0  | 9.0  | 9.0  | 8.0  | 6.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 7.0  | 11.0 | 17.0  | 30.0  | 40.0  | 40.0  | 24  | 40.0    |  |
| 27   | 40.0  | 36.0  | 32.0 | 28.0 | 26.0 | 22.0 | 24.0 | 23.0 | 14.0 | 9.0  | 5.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 4.0  | 7.0  | 11.0 | 20.0  | 28.0  | 36.0  | 43.0  | 24  | 43.0    |  |
| 28   | 43.0  | 37.0  | 31.0 | 28.0 | 23.0 | 21.0 | 14.0 | 5.0  | 4.0  | 4.0  | 4.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 7.0  | 7.0  | 13.0 | 6.0  | 5.0   | 7.0   | 3.0   | 3.0   | 24  | 43.0    |  |
| 29   | 5.0   | 6.0   | 7.0  | 10.0 | 11.0 | 13.0 | 13.0 | 12.0 | 8.0  | 5.0  | 3.0  | 3.0  | 2.0  | 2.0  | 2.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0   | 4.0   | 8.0   | 10.0  | 24  | 13.0    |  |
| 30   | 12.0  | 16.0  | 12.0 | 6.0  | 4.0  | 4.0  | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 1.0  | 1.0  | 2.0  | 2.0  | 3.0  | 5.0   | 7.0   | 8.0   | 8.0   | 24  | 16.0    |  |
| 31   | 7.0   | 7.0   | 6.0  | 4.0  | 4.0  | 4.0  | 3.0  | 3.0  | 2.0  | 2.0  | 5.0  | 6.0  | 9.0  | 5.0  | 5.0  | 6.0  | 4.0  | 3.0  | 3.0  | 4.0  | 4.0   | 4.0   | 3.0   | 3.0   | 24  | 9.0     |  |
| NO.: | 31    | 31    | 31   | 31   | 31   | 31   | 31   | 31   | 30   | 30   | 29   | 30   | 30   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31    | 31    | 31    | 31    | 31  |         |  |
| MAX: | 43.0  | 37.0  | 32.0 | 28.0 | 26.0 | 22.0 | 24.0 | 24.0 | 17.0 | 19.0 | 12.0 | 8.0  | 9.0  | 10.0 | 11.0 | 7.0  | 8.0  | 14.0 | 13.0 | 16.0 | 33.0  | 39.0  | 40.0  | 43.0  |     |         |  |
| AVG: | 11.39 | 11.16 | 9.39 | 7.61 | 7.16 | 8.61 | 9.35 | 8.52 | 6.63 | 5.70 | 4.53 | 4.03 | 3.90 | 3.97 | 3.77 | 3.77 | 3.97 | 4.48 | 5.71 | 7.29 | 10.32 | 12.52 | 12.97 | 11.68 |     |         |  |

MONTHLY OBSERVATIONS: 737 MONTHLY MEAN: 7.46 MONTHLY MAX: 43.0

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-119-0041 POC: 1  
 COUNTY: (119) Mecklenburg  
 CITY: (12000) Charlotte  
 SITE ADDRESS: 1130 EASTWAY DRIVE  
 SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (167) METROPOLITAN CHARLOTTE  
 URBANIZED AREA: (1510) CHARLOTTE, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0  
 LATITUDE: 35.2401000009  
 LONGITUDE: -80.785683  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 232  
 PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE

PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JUNE 2010

DURATION: 1 HOUR

UNITS: Parts per billion

MIN DETECTABLE: 1

| 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    | 2.0   | 3.0   | 2.0   | 3.0  | 4.0  | 7.0   | 11.0  | 8.0   | 6.0   | 5.0  | 6.0  | 6.0  | 6.0  | 5.0  | 5.0  | 4.0  | 3.0  | 5.0  | 5.0  | 9.0  | 23.0  | 29.0  | 18.0  | 9.0   | 24   | 29.0    |  |
| 2    | 7.0   | 7.0   | 8.0   | 10.0 | 7.0  | 9.0   | 12.0  | 14.0  | 14.0  | 12.0 | 7.0  | 4.0  | 3.0  | 4.0  | 7.0  | 6.0  | 6.0  | 7.0  | 8.0  | 7.0  | 8.0   | 10.0  | 8.0   | 7.0   | 24   | 14.0    |  |
| 3    | 6.0   | 5.0   | 5.0   | 4.0  | 4.0  | 5.0   | 10.0  | 16.0  | 18.0  | BF   | BF   | BF   | 5.0  | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 11.0 | 12.0  | 16.0  | 13.0  | 21    | 18.0 |         |  |
| 4    | 11.0  | 7.0   | 6.0   | 5.0  | 4.0  | 6.0   | 8.0   | 9.0   | 9.0   | 5.0  | 4.0  | 5.0  | 5.0  | 6.0  | 4.0  | 5.0  | 4.0  | 4.0  | 6.0  | 7.0  | 9.0   | 8.0   | 9.0   | 24    | 11.0 |         |  |
| 5    | 8.0   | 6.0   | 5.0   | 5.0  | 5.0  | 5.0   | 6.0   | 8.0   | 9.0   | 6.0  | 3.0  | 3.0  | 3.0  | 4.0  | 2.0  | 3.0  | 4.0  | 9.0  | 8.0  | 5.0  | 6.0   | 9.0   | 8.0   | 8.0   | 24   | 9.0     |  |
| 6    | 6.0   | 3.0   | 3.0   | 4.0  | 3.0  | 3.0   | 3.0   | 2.0   | 2.0   | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 3.0  | 3.0   | 8.0   | 8.0   | 9.0   | 24   | 9.0     |  |
| 7    | 7.0   | 3.0   | 4.0   | 6.0  | 9.0  | 16.0  | 22.0  | 12.0  | 6.0   | 4.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 6.0  | 12.0 | 31.0  | 36.0  | 36.0  | 35.0  | 24   | 36.0    |  |
| 8    | 31.0  | 21.0  | 20.0  | 25.0 | 23.0 | 21.0  | 19.0  | 14.0  | BF    | BF   | BC   | BC   | BC   | BC   | 5.0  | 5.0  | 5.0  | 5.0  | 5.0  | 7.0  | 19.0  | 24.0  | 23.0  | 11.0  | 17   | 31.0    |  |
| 9    | 9.0   | 6.0   | 6.0   | 7.0  | 6.0  | 8.0   | 9.0   | 9.0   | 6.0   | 4.0  | 4.0  | 4.0  | 4.0  | 3.0  | 3.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0   | 4.0   | 4.0   | 5.0   | 24   | 9.0     |  |
| 10   | 4.0   | 4.0   | 4.0   | 4.0  | 5.0  | 9.0   | 9.0   | 13.0  | 14.0  | 10.0 | 6.0  | 5.0  | 4.0  | 4.0  | 3.0  | 3.0  | 5.0  | 7.0  | 10.0 | 14.0 | 29.0  | 26.0  | 20.0  | 19.0  | 24   | 29.0    |  |
| 11   | 16.0  | 18.0  | 19.0  | 11.0 | 10.0 | 14.0  | 17.0  | 12.0  | 7.0   | 4.0  | 3.0  | 4.0  | 3.0  | 4.0  | 3.0  | 4.0  | 3.0  | 3.0  | 6.0  | 8.0  | 12.0  | 11.0  | 13.0  | 17.0  | 24   | 19.0    |  |
| 12   | 20.0  | 27.0  | 27.0  | 22.0 | 20.0 | 16.0  | 22.0  | 19.0  | 11.0  | 9.0  | 7.0  | 6.0  | 4.0  | 3.0  | 3.0  | 4.0  | 4.0  | 3.0  | 4.0  | 5.0  | 7.0   | 6.0   | 5.0   | 5.0   | 24   | 27.0    |  |
| 13   | 5.0   | 4.0   | 5.0   | 6.0  | 5.0  | 4.0   | 5.0   | 7.0   | 7.0   | 3.0  | 3.0  | 2.0  | 3.0  | 4.0  | 4.0  | 2.0  | 2.0  | 4.0  | 8.0  | 8.0  | 7.0   | 6.0   | 7.0   | 11.0  | 24   | 11.0    |  |
| 14   | 14.0  | 13.0  | 12.0  | 10.0 | 10.0 | 11.0  | 14.0  | 19.0  | 11.0  | BF   | BF   | BF   | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 5.0  | 5.0  | 7.0   | 8.0   | 12.0  | 15.0  | 21   | 19.0    |  |
| 15   | 21.0  | 27.0  | 19.0  | 23.0 | 20.0 | 16.0  | 16.0  | 26.0  | 27.0  | 14.0 | 7.0  | 5.0  | 4.0  | 4.0  | 5.0  | 4.0  | 5.0  | 6.0  | 8.0  | 13.0 | 16.0  | 13.0  | 18.0  | 19.0  | 24   | 27.0    |  |
| 16   | 15.0  | 15.0  | 9.0   | 5.0  | 4.0  | 14.0  | 14.0  | 13.0  | 12.0  | 16.0 | 15.0 | 15.0 | 5.0  | 4.0  | 3.0  | 3.0  | 4.0  | 8.0  | 9.0  | 10.0 | 14.0  | 12.0  | 9.0   | 12.0  | 24   | 16.0    |  |
| 17   | 10.0  | 11.0  | 12.0  | 16.0 | 14.0 | 19.0  | 15.0  | 19.0  | 10.0  | 6.0  | 7.0  | 4.0  | 9.0  | 9.0  | 9.0  | 6.0  | 5.0  | 10.0 | 13.0 | 10.0 | 12.0  | 13.0  | 12.0  | 10.0  | 24   | 19.0    |  |
| 18   | 12.0  | 14.0  | 13.0  | 12.0 | 12.0 | 10.0  | 11.0  | 9.0   | 6.0   | 4.0  | 4.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 2.0  | 2.0  | 3.0  | 4.0  | 6.0   | 6.0   | 6.0   | 5.0   | 24   | 14.0    |  |
| 19   | 4.0   | 6.0   | 8.0   | 11.0 | 7.0  | 9.0   | 7.0   | 4.0   | 5.0   | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 6.0  | 9.0   | 14.0  | 7.0   | 9.0   | 24   | 14.0    |  |
| 20   | 10.0  | 10.0  | 14.0  | 11.0 | 6.0  | 6.0   | 6.0   | 4.0   | 4.0   | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 5.0  | 4.0  | 9.0  | 11.0  | 7.0   | 10.0  | 12.0  | 24   | 14.0    |  |
| 21   | 11.0  | 20.0  | 22.0  | 13.0 | 9.0  | 11.0  | 14.0  | 14.0  | 10.0  | 6.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 5.0  | 10.0 | 14.0  | 16.0  | 27.0  | 33.0  | 24   | 33.0    |  |
| 22   | 24.0  | 16.0  | 17.0  | 14.0 | 13.0 | 13.0  | 15.0  | 14.0  | 20.0  | 35.0 | 17.0 | 12.0 | 5.0  | 4.0  | 3.0  | 3.0  | 4.0  | 4.0  | 7.0  | 9.0  | 12.0  | 12.0  | 12.0  | 13.0  | 24   | 35.0    |  |
| 23   | 11.0  | 10.0  | 10.0  | 9.0  | 10.0 | 12.0  | 17.0  | 18.0  | 16.0  | 14.0 | 9.0  | 6.0  | 6.0  | 6.0  | 5.0  | 3.0  | 3.0  | 4.0  | 5.0  | 6.0  | 6.0   | 5.0   | 4.0   | 5.0   | 24   | 18.0    |  |
| 24   | 5.0   | 6.0   | 8.0   | 10.0 | 14.0 | 23.0  | 26.0  | 23.0  | 19.0  | BF   | BF   | BF   | 4.0  | 3.0  | 3.0  | 4.0  | 5.0  | 6.0  | 4.0  | 6.0  | 8.0   | 6.0   | 10.0  | 13.0  | 21   | 26.0    |  |
| 25   | 17.0  | 16.0  | 19.0  | 14.0 | 10.0 | 15.0  | 13.0  | 11.0  | 7.0   | 3.0  | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 3.0  | 4.0  | 7.0  | 10.0 | 10.0  | 12.0  | 9.0   | 7.0   | 24   | 19.0    |  |
| 26   | 4.0   | 4.0   | 4.0   | 4.0  | 5.0  | 5.0   | 5.0   | 8.0   | 7.0   | 7.0  | 6.0  | 5.0  | 4.0  | 2.0  | 3.0  | 3.0  | 4.0  | 4.0  | 8.0  | 13.0 | 8.0   | 4.0   | 5.0   | 5.0   | 24   | 13.0    |  |
| 27   | 6.0   | 7.0   | 7.0   | 5.0  | 5.0  | 5.0   | 4.0   | 5.0   | 4.0   | 4.0  | 4.0  | 4.0  | 3.0  | 2.0  | 3.0  | 3.0  | 3.0  | 5.0  | 5.0  | 6.0  | 7.0   | 6.0   | 5.0   | 4.0   | 24   | 7.0     |  |
| 28   | 6.0   | 4.0   | 4.0   | 5.0  | 7.0  | 8.0   | 9.0   | 8.0   | 6.0   | 5.0  | 8.0  | 5.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 6.0  | 11.0 | 6.0  | 4.0   | 4.0   | 4.0   | 4.0   | 24   | 11.0    |  |
| 29   | 3.0   | 3.0   | 4.0   | 5.0  | 5.0  | 7.0   | 10.0  | 12.0  | 17.0  | 9.0  | 8.0  | 6.0  | 5.0  | 5.0  | 5.0  | 13.0 | 16.0 | 14.0 | 15.0 | 15.0 | 17.0  | 17.0  | 6.0   | 4.0   | 24   | 17.0    |  |
| 30   | 4.0   | 4.0   | 4.0   | 7.0  | 7.0  | 10.0  | 11.0  | AZ    | AZ    | AZ   | AZ   | 6.0  | 8.0  | 6.0  | 5.0  | 6.0  | 6.0  | 4.0  | 4.0  | 4.0  | 5.0   | 4.0   | 4.0   | 4.0   | 20   | 11.0    |  |
| 31   |       |       |       |      |      |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |      | 0       |  |
| NO.: | 30    | 30    | 30    | 30   | 30   | 30    | 30    | 29    | 28    | 25   | 25   | 26   | 29   | 29   | 29   | 30   | 30   | 30   | 30   | 30   | 30    | 30    | 30    | 30    | 30   |         |  |
| MAX: | 31.0  | 27.0  | 27.0  | 25.0 | 23.0 | 23.0  | 26.0  | 26.0  | 27.0  | 35.0 | 17.0 | 15.0 | 9.0  | 9.0  | 9.0  | 13.0 | 16.0 | 14.0 | 15.0 | 15.0 | 31.0  | 36.0  | 36.0  | 35.0  |      |         |  |
| AVG: | 10.30 | 10.00 | 10.00 | 9.53 | 8.77 | 10.57 | 12.00 | 12.07 | 10.36 | 7.72 | 5.76 | 4.81 | 4.07 | 3.79 | 3.66 | 3.90 | 4.17 | 5.13 | 6.40 | 7.83 | 11.13 | 11.63 | 11.13 | 11.07 |      |         |  |

MONTHLY OBSERVATIONS: 700 MONTHLY MEAN: 8.20 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.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-119-0041 POC: 1  
 COUNTY: (119) Mecklenburg  
 CITY: (12000) Charlotte  
 SITE ADDRESS: 1130 EASTWAY DRIVE  
 SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (167) METROPOLITAN CHARLOTTE  
 URBANIZED AREA: (1510) CHARLOTTE, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0  
 LATITUDE: 35.2401000009  
 LONGITUDE: -80.785683  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 232  
 PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality  
 MONITOR TYPE: SLAMS

REPORT FOR: JULY 2010

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE

UNITS: Parts per billion

PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

MIN DETECTABLE: 1

| 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   | 4.0  | 5.0  | 4.0  | 5.0  | 10.0 | 11.0  | 10.0 | 7.0  | 6.0  | 6.0  | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 5.0  | 5.0   | 5.0   | 5.0   | 24   | 11.0    |  |
| 2    | 4.0   | 4.0  | 4.0  | 7.0  | 11.0 | 12.0 | 14.0  | 8.0  | 6.0  | 4.0  | 5.0  | 3.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0  | 9.0  | 12.0 | 12.0  | 16.0  | 11.0  | 24   | 16.0    |  |
| 3    | 12.0  | 11.0 | 8.0  | 11.0 | 12.0 | 13.0 | 10.0  | 10.0 | 11.0 | 9.0  | 6.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0  | 7.0  | 15.0 | 20.0  | 18.0  | 16.0  | 24   | 20.0    |  |
| 4    | 11.0  | 10.0 | 9.0  | 10.0 | 12.0 | 11.0 | 8.0   | 6.0  | 5.0  | 5.0  | 4.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 7.0  | 16.0 | 20.0  | 15.0  | 14.0  | 24   | 20.0    |  |
| 5    | 13.0  | 9.0  | 8.0  | 8.0  | 7.0  | 7.0  | 8.0   | 7.0  | 6.0  | 5.0  | 4.0  | 3.0  | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 8.0  | 11.0 | 16.0  | 21.0  | 14.0  | 24   | 21.0    |  |
| 6    | 9.0   | 9.0  | 10.0 | 6.0  | 6.0  | 11.0 | 17.0  | 17.0 | 18.0 | BF   | BF   | BF   | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 3.0  | 5.0  | 9.0  | 16.0 | 24.0  | 25.0  | 22.0  | 21   | 25.0    |  |
| 7    | 16.0  | 13.0 | 13.0 | 14.0 | 17.0 | 16.0 | 23.0  | 27.0 | 19.0 | 11.0 | 6.0  | 5.0  | 5.0  | 5.0  | 5.0  | 5.0  | 5.0  | 4.0  | 6.0  | 14.0 | 19.0 | 21.0  | 26.0  | 50.0  | 24   | 50.0    |  |
| 8    | 54.0  | 47.0 | 41.0 | 30.0 | 29.0 | 35.0 | 34.0  | 20.0 | 10.0 | 10.0 | 8.0  | 5.0  | 4.0  | BA   | 4.0  | 3.0  | 5.0  | 5.0  | 6.0  | 10.0 | 8.0  | 9.0   | 10.0  | 8.0   | 23   | 54.0    |  |
| 9    | 10.0  | 7.0  | 5.0  | 5.0  | 5.0  | 5.0  | 6.0   | 7.0  | 5.0  | 5.0  | 5.0  | 5.0  | 5.0  | 5.0  | 5.0  | 5.0  | 7.0  | 9.0  | 11.0 | 9.0  | 9.0  | 7.0   | 9.0   | 7.0   | 24   | 11.0    |  |
| 10   | 7.0   | 7.0  | 7.0  | 10.0 | 14.0 | 14.0 | 14.0  | 10.0 | 5.0  | 5.0  | 3.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 5.0  | 9.0  | 16.0 | 26.0  | 28.0  | 20.0  | 24   | 28.0    |  |
| 11   | 15.0  | 20.0 | 11.0 | 6.0  | 4.0  | 6.0  | 7.0   | 5.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 2.0  | 2.0  | 3.0  | 3.0  | 4.0  | 7.0  | 7.0   | 10.0  | 11.0  | 24   | 20.0    |  |
| 12   | 10.0  | 10.0 | 9.0  | 8.0  | 6.0  | 6.0  | 6.0   | 6.0  | 6.0  | 5.0  | 4.0  | 3.0  | 5.0  | 7.0  | 8.0  | 8.0  | 7.0  | 4.0  | 4.0  | 4.0  | 4.0  | 3.0   | 4.0   | 4.0   | 24   | 10.0    |  |
| 13   | 4.0   | 4.0  | 3.0  | 3.0  | 3.0  | 5.0  | 5.0   | 5.0  | 5.0  | 6.0  | 6.0  | 5.0  | 3.0  | 3.0  | 2.0  | 3.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0   | 3.0   | 3.0   | 24   | 6.0     |  |
| 14   | 4.0   | 4.0  | 5.0  | 4.0  | 6.0  | 9.0  | 10.0  | 11.0 | 7.0  | 5.0  | 4.0  | 4.0  | 3.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 9.0  | 14.0 | 24.0  | 21.0  | 26.0  | 24   | 26.0    |  |
| 15   | 28.0  | 24.0 | 21.0 | 21.0 | 23.0 | 25.0 | 14.0  | 12.0 | 8.0  | BF   | BF   | BF   | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 6.0  | 13.0 | 6.0   | 5.0   | 5.0   | 21   | 28.0    |  |
| 16   | 5.0   | 6.0  | 6.0  | 6.0  | 6.0  | 7.0  | 9.0   | 6.0  | 6.0  | 5.0  | 4.0  | 3.0  | 3.0  | 3.0  | 2.0  | 3.0  | 8.0  | 10.0 | 8.0  | 6.0  | 8.0  | 7.0   | 5.0   | 4.0   | 24   | 10.0    |  |
| 17   | 4.0   | 4.0  | 6.0  | 4.0  | 3.0  | 4.0  | 4.0   | 4.0  | 4.0  | 3.0  | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 4.0  | 5.0  | 6.0  | 7.0  | 7.0  | 10.0  | 7.0   | 6.0   | 24   | 10.0    |  |
| 18   | 4.0   | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 3.0   | 3.0  | 3.0  | 3.0  | 2.0  | 3.0  | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 4.0  | 2.0  | 3.0  | 3.0   | 3.0   | 3.0   | 24   | 4.0     |  |
| 19   | 3.0   | 4.0  | 3.0  | 2.0  | 3.0  | 5.0  | 5.0   | 4.0  | 5.0  | 5.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0  | 5.0  | 6.0  | 5.0  | 4.0  | 6.0  | 8.0  | 11.0  | 6.0   | 5.0   | 24   | 11.0    |  |
| 20   | 5.0   | 6.0  | 6.0  | 5.0  | 5.0  | 5.0  | 7.0   | 8.0  | 6.0  | 5.0  | 8.0  | 5.0  | 4.0  | 3.0  | 3.0  | 5.0  | 5.0  | 6.0  | 6.0  | 6.0  | 9.0  | 13.0  | 17.0  | 10.0  | 24   | 17.0    |  |
| 21   | 4.0   | 4.0  | 4.0  | 4.0  | 5.0  | 6.0  | 7.0   | 7.0  | 5.0  | 7.0  | 7.0  | 3.0  | 3.0  | 4.0  | 4.0  | 3.0  | 4.0  | 5.0  | 7.0  | 8.0  | 6.0  | 7.0   | 8.0   | 7.0   | 24   | 8.0     |  |
| 22   | 7.0   | 6.0  | 6.0  | 7.0  | 7.0  | 9.0  | 14.0  | 21.0 | 14.0 | 5.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 5.0  | 7.0  | 9.0  | 12.0  | 13.0  | 12.0  | 24   | 21.0    |  |
| 23   | 8.0   | 8.0  | 8.0  | 9.0  | 9.0  | 11.0 | 17.0  | 19.0 | 28.0 | BF   | BF   | 4.0  | 4.0  | 3.0  | 3.0  | 4.0  | 5.0  | 4.0  | 4.0  | 3.0  | 4.0  | 5.0   | 5.0   | 6.0   | 22   | 28.0    |  |
| 24   | 5.0   | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 5.0   | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 6.0  | 7.0  | 3.0  | 3.0  | 3.0   | 3.0   | 4.0   | 24   | 7.0     |  |
| 25   | 4.0   | 5.0  | 5.0  | 3.0  | 3.0  | 3.0  | 4.0   | 3.0  | 3.0  | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 4.0  | 5.0  | 6.0  | 10.0  | 13.0  | 12.0  | 24   | 13.0    |  |
| 26   | 7.0   | 5.0  | 12.0 | 11.0 | 11.0 | 14.0 | 20.0  | 12.0 | 7.0  | 4.0  | 4.0  | 4.0  | 3.0  | 2.0  | 2.0  | 3.0  | 3.0  | 5.0  | 6.0  | 7.0  | 4.0  | 5.0   | 6.0   | 9.0   | 24   | 20.0    |  |
| 27   | 8.0   | 6.0  | 7.0  | 5.0  | 6.0  | 7.0  | 9.0   | 10.0 | 6.0  | 7.0  | 6.0  | 5.0  | 4.0  | 4.0  | 4.0  | 5.0  | 4.0  | 5.0  | 4.0  | 6.0  | 7.0  | 10.0  | 10.0  | 13.0  | 24   | 13.0    |  |
| 28   | 9.0   | 13.0 | 10.0 | 5.0  | 4.0  | 4.0  | 5.0   | 5.0  | 5.0  | 8.0  | 14.0 | 10.0 | 9.0  | 7.0  | 8.0  | 7.0  | 7.0  | 7.0  | 8.0  | 11.0 | 13.0 | 18.0  | 18.0  | 21.0  | 24   | 21.0    |  |
| 29   | 20.0  | 22.0 | 22.0 | 21.0 | 25.0 | 25.0 | 21.0  | 15.0 | 13.0 | 7.0  | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 4.0  | 4.0  | 8.0  | 14.0 | 17.0 | 16.0  | 19.0  | 16.0  | 24   | 25.0    |  |
| 30   | 18.0  | 7.0  | 5.0  | 6.0  | 9.0  | 9.0  | 11.0  | 7.0  | 5.0  | 3.0  | 4.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 7.0  | 9.0  | 6.0   | 5.0   | 5.0   | 24   | 18.0    |  |
| 31   | 4.0   | 4.0  | 3.0  | 3.0  | 4.0  | 4.0  | 5.0   | 5.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0  | 4.0  | 4.0  | 3.0  | 4.0  | 4.0  | 4.0  | 5.0  | 5.0   | 4.0   | 5.0   | 24   | 5.0     |  |
| NO.: | 31    | 31   | 31   | 31   | 31   | 31   | 31    | 31   | 31   | 28   | 28   | 29   | 31   | 30   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31    | 31    | 31    | 31   |         |  |
| MAX: | 54.0  | 47.0 | 41.0 | 30.0 | 29.0 | 35.0 | 34.0  | 27.0 | 28.0 | 11.0 | 14.0 | 10.0 | 9.0  | 7.0  | 8.0  | 8.0  | 8.0  | 8.0  | 10.0 | 11.0 | 14.0 | 19.0  | 26.0  | 28.0  | 50.0 |         |  |
| AVG: | 10.19 | 9.39 | 8.71 | 7.94 | 8.65 | 9.90 | 10.74 | 9.48 | 7.71 | 5.36 | 4.75 | 3.86 | 3.52 | 3.40 | 3.42 | 3.52 | 4.06 | 4.35 | 5.23 | 6.87 | 9.23 | 11.03 | 11.55 | 11.42 |      |         |  |

MONTHLY OBSERVATIONS: 735 MONTHLY MEAN: 7.29 MONTHLY MAX: 54.0

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-119-0041 POC: 1  
 COUNTY: (119) Mecklenburg STATE: (37) North Carolina  
 CITY: (12000) Charlotte AQCR: (167) METROPOLITAN CHARLOTTE  
 SITE ADDRESS: 1130 EASTWAY DRIVE URBANIZED AREA: (1510) CHARLOTTE, NC  
 SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN LAND USE: RESIDENTIAL  
 MONITOR COMMENTS: LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0  
 LATITUDE: 35.2401000009  
 LONGITUDE: -80.785683  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 232  
 PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality

MONITOR TYPE: SLAMS

REPORT FOR: AUGUST 2010

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE

UNITS: Parts per billion

PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

MIN DETECTABLE: 1

| 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  | 4.0  | 4.0  | 4.0  | 3.0  | 4.0  | 3.0   | 3.0  | 3.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0  | 4.0  | 4.0  | 6.0  | 10.0  | 7.0   | 6.0   | 6.0  | 24  | 10.0    |  |
| 2    | 6.0  | 6.0  | 8.0  | 7.0  | 7.0  | 9.0  | 10.0  | 5.0  | 5.0  | 3.0  | 3.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 2.0  | 2.0  | 3.0  | 6.0  | 7.0   | 5.0   | 5.0   | 4.0  | 24  | 10.0    |  |
| 3    | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 5.0  | 8.0   | 6.0  | 5.0  | 3.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 6.0   | 6.0   | 7.0   | 8.0  | 24  | 8.0     |  |
| 4    | 5.0  | 4.0  | 4.0  | 5.0  | 6.0  | 8.0  | 10.0  | 8.0  | 8.0  | 7.0  | 5.0  | 6.0  | 8.0  | 6.0  | 7.0  | 3.0  | 2.0  | 3.0  | 3.0  | 6.0  | 7.0   | 7.0   | 5.0   | 6.0  | 24  | 10.0    |  |
| 5    | 5.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 6.0   | 6.0  | 5.0  | BF   | BF   | BF   | 3.0  | 3.0  | 3.0  | 3.0  | 5.0  | 8.0  | 10.0 | 6.0  | 7.0   | 6.0   | 5.0   | 5.0  | 21  | 10.0    |  |
| 6    | 4.0  | 3.0  | 3.0  | 5.0  | 6.0  | 9.0  | 10.0  | 11.0 | 10.0 | 10.0 | 8.0  | 9.0  | 7.0  | 5.0  | 4.0  | 5.0  | 5.0  | 7.0  | 6.0  | 5.0  | 4.0   | 6.0   | 8.0   | 10.0 | 24  | 11.0    |  |
| 7    | 14.0 | 16.0 | 22.0 | 18.0 | 17.0 | 15.0 | 15.0  | 11.0 | 8.0  | 6.0  | 4.0  | 4.0  | 3.0  | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 4.0  | 8.0  | 15.0  | 29.0  | 24.0  | 19.0 | 24  | 29.0    |  |
| 8    | 14.0 | 10.0 | 8.0  | 10.0 | 11.0 | 12.0 | 10.0  | 6.0  | 4.0  | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 5.0  | 14.0  | 25.0  | 14.0  | 14.0 | 24  | 25.0    |  |
| 9    | 14.0 | 15.0 | 8.0  | 6.0  | 6.0  | 6.0  | 11.0  | 15.0 | 8.0  | 8.0  | 7.0  | 7.0  | 8.0  | 7.0  | 6.0  | 5.0  | 8.0  | 10.0 | 10.0 | 11.0 | 16.0  | 12.0  | 9.0   | 7.0  | 24  | 16.0    |  |
| 10   | 7.0  | 6.0  | 6.0  | 7.0  | 7.0  | 12.0 | 14.0  | 10.0 | 10.0 | 9.0  | 11.0 | 5.0  | 4.0  | 4.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 5.0  | 7.0   | 9.0   | 7.0   | 6.0  | 24  | 14.0    |  |
| 11   | 6.0  | 8.0  | 7.0  | 6.0  | 5.0  | 7.0  | 11.0  | 7.0  | 4.0  | 4.0  | 4.0  | 8.0  | 8.0  | 5.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 5.0  | 7.0   | 6.0   | 4.0   | 5.0  | 24  | 11.0    |  |
| 12   | 6.0  | 6.0  | 6.0  | 5.0  | 6.0  | 7.0  | 7.0   | 6.0  | 6.0  | 8.0  | 10.0 | 9.0  | 8.0  | 5.0  | 4.0  | 4.0  | 5.0  | 7.0  | 6.0  | 7.0  | 14.0  | 15.0  | 14.0  | 12.0 | 24  | 15.0    |  |
| 13   | 13.0 | 17.0 | 15.0 | 23.0 | 24.0 | 15.0 | 14.0  | 11.0 | 9.0  | 6.0  | 4.0  | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 4.0  | 6.0   | 5.0   | 3.0   | 5.0  | 24  | 24.0    |  |
| 14   | 6.0  | 6.0  | 6.0  | 4.0  | 3.0  | 3.0  | 3.0   | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 1.0  | 1.0  | 1.0  | 1.0  | 2.0  | 2.0  | 4.0  | 6.0  | 4.0   | 3.0   | 3.0   | 3.0  | 24  | 6.0     |  |
| 15   | 4.0  | 5.0  | 4.0  | 3.0  | 2.0  | 2.0  | 2.0   | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 1.0  | 2.0  | 4.0  | 4.0  | 2.0  | 2.0  | 2.0  | 3.0  | 3.0   | 3.0   | 4.0   | 3.0  | 24  | 5.0     |  |
| 16   | 4.0  | 4.0  | 4.0  | 5.0  | 7.0  | 6.0  | 9.0   | 6.0  | 6.0  | 5.0  | 5.0  | 3.0  | 4.0  | 3.0  | 2.0  | 2.0  | 2.0  | 4.0  | 7.0  | 9.0  | 9.0   | 16.0  | 12.0  | 9.0  | 24  | 16.0    |  |
| 17   | 11.0 | 9.0  | 7.0  | 6.0  | 6.0  | 8.0  | 9.0   | 10.0 | 5.0  | BF   | BF   | BF   | BF   | 2.0  | 3.0  | 2.0  | 2.0  | 3.0  | 4.0  | 5.0  | 6.0   | 4.0   | 5.0   | 5.0  | 20  | 11.0    |  |
| 18   | 4.0  | 3.0  | 3.0  | 4.0  | 5.0  | 6.0  | 6.0   | 6.0  | 8.0  | 4.0  | 4.0  | 7.0  | 5.0  | 2.0  | 2.0  | 3.0  | 3.0  | 4.0  | 5.0  | 5.0  | 8.0   | 15.0  | 10.0  | 11.0 | 24  | 15.0    |  |
| 19   | 16.0 | 8.0  | 3.0  | 3.0  | 3.0  | 4.0  | 9.0   | 14.0 | 10.0 | 5.0  | 5.0  | 4.0  | 3.0  | 3.0  | 3.0  | 4.0  | 5.0  | 5.0  | 8.0  | 11.0 | 8.0   | 4.0   | 3.0   | 4.0  | 24  | 16.0    |  |
| 20   | 4.0  | 3.0  | 4.0  | 6.0  | 7.0  | 6.0  | 10.0  | 8.0  | 6.0  | 4.0  | 4.0  | 3.0  | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 5.0  | 11.0 | 20.0  | 22.0  | 21.0  | 18.0 | 24  | 22.0    |  |
| 21   | 13.0 | 7.0  | 7.0  | 6.0  | 8.0  | 12.0 | 17.0  | 5.0  | 4.0  | 2.0  | 2.0  | 2.0  | 2.0  | 1.0  | 2.0  | 2.0  | 2.0  | 5.0  | 7.0  | 8.0  | 15.0  | 18.0  | 19.0  | 13.0 | 24  | 19.0    |  |
| 22   | 13.0 | 10.0 | 7.0  | 8.0  | 6.0  | 7.0  | 7.0   | 6.0  | 5.0  | 7.0  | 8.0  | 6.0  | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 5.0  | 11.0 | 21.0  | 14.0  | 4.0   | 3.0  | 24  | 21.0    |  |
| 23   | 2.0  | 6.0  | 3.0  | 6.0  | 6.0  | 11.0 | 11.0  | 8.0  | 5.0  | 4.0  | 4.0  | 3.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0  | 10.0 | 27.0 | 43.0  | 35.0  | 33.0  | 14.0 | 24  | 43.0    |  |
| 24   | 6.0  | 6.0  | 5.0  | 7.0  | 7.0  | 8.0  | 9.0   | 8.0  | 6.0  | 6.0  | 5.0  | 5.0  | 5.0  | 5.0  | 4.0  | 3.0  | 2.0  | 4.0  | 7.0  | 9.0  | 4.0   | 4.0   | 5.0   | 10.0 | 24  | 10.0    |  |
| 25   | 5.0  | 3.0  | 2.0  | 2.0  | 3.0  | 5.0  | 6.0   | 7.0  | 4.0  | 3.0  | 3.0  | 4.0  | 5.0  | 6.0  | 6.0  | 5.0  | 7.0  | 8.0  | 12.0 | 9.0  | 12.0  | 14.0  | 18.0  | 16.0 | 24  | 18.0    |  |
| 26   | 13.0 | 9.0  | 10.0 | 12.0 | 10.0 | 11.0 | 15.0  | 20.0 | 18.0 | BF   | BF   | 11.0 | 6.0  | 9.0  | 5.0  | 5.0  | 7.0  | 5.0  | 8.0  | 17.0 | 21.0  | 20.0  | 19.0  | 13.0 | 22  | 21.0    |  |
| 27   | 7.0  | 7.0  | 17.0 | 15.0 | 15.0 | 17.0 | 20.0  | 14.0 | 12.0 | 9.0  | 5.0  | 3.0  | 3.0  | 3.0  | 2.0  | 2.0  | 2.0  | 3.0  | 6.0  | 7.0  | 6.0   | 7.0   | 9.0   | 9.0  | 24  | 20.0    |  |
| 28   | 14.0 | 19.0 | 21.0 | 22.0 | 14.0 | 9.0  | 9.0   | 8.0  | 4.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 8.0  | 15.0 | 15.0  | 22.0  | 9.0   | 10.0 | 24  | 22.0    |  |
| 29   | 8.0  | 10.0 | 9.0  | 6.0  | 5.0  | 6.0  | 7.0   | 8.0  | 4.0  | 2.0  | 2.0  | 2.0  | 2.0  | 1.0  | 1.0  | 1.0  | 2.0  | 3.0  | 6.0  | 9.0  | 22.0  | 24.0  | 14.0  | 11.0 | 24  | 24.0    |  |
| 30   | 14.0 | 15.0 | 13.0 | 10.0 | 7.0  | 9.0  | 12.0  | 22.0 | 16.0 | 8.0  | 5.0  | 4.0  | 3.0  | 3.0  | 2.0  | 2.0  | 2.0  | 3.0  | 6.0  | 12.0 | 15.0  | 19.0  | 22.0  | 23.0 | 24  | 23.0    |  |
| 31   | 25.0 | 26.0 | 28.0 | 24.0 | 14.0 | 14.0 | 21.0  | 20.0 | 13.0 | 9.0  | 7.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 9.0  | 14.0 | 21.0  | 23.0  | 26.0  | 25.0 | 24  | 28.0    |  |
| NO.: | 31   | 31   | 31   | 31   | 31   | 31   | 31    | 31   | 31   | 28   | 28   | 29   | 30   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31    | 31    | 31    | 31   | 31  |         |  |
| MAX: | 25.0 | 26.0 | 28.0 | 24.0 | 24.0 | 17.0 | 21.0  | 22.0 | 18.0 | 10.0 | 11.0 | 11.0 | 8.0  | 9.0  | 7.0  | 5.0  | 8.0  | 10.0 | 12.0 | 27.0 | 43.0  | 35.0  | 33.0  | 25.0 |     |         |  |
| AVG: | 8.71 | 8.32 | 8.10 | 8.16 | 7.55 | 8.32 | 10.03 | 9.00 | 6.94 | 5.18 | 4.64 | 4.52 | 3.90 | 3.35 | 3.03 | 2.87 | 3.19 | 4.03 | 5.87 | 8.58 | 12.03 | 13.06 | 11.19 | 9.90 |     |         |  |

MONTHLY OBSERVATIONS: 735 MONTHLY MEAN: 7.13 MONTHLY MAX: 43.0

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-119-0041 POC: 1  
 COUNTY: (119) Mecklenburg STATE: (37) North Carolina  
 CITY: (12000) Charlotte AQCR: (167) METROPOLITAN CHARLOTTE  
 SITE ADDRESS: 1130 EASTWAY DRIVE URBANIZED AREA: (1510) CHARLOTTE, NC  
 SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN LAND USE: RESIDENTIAL  
 MONITOR COMMENTS: LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0  
 LATITUDE: 35.2401000009  
 LONGITUDE: -80.785683  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 232  
 PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE

PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: SEPTEMBER 2010

DURATION: 1 HOUR

UNITS: Parts per billion

MIN DETECTABLE: 1

| 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    | 25.0  | 22.0  | 20.0  | 22.0  | 35.0  | 32.0  | 28.0  | 23.0  | BF    | BF   | BC   | BC   | BC   | BC   | BC   | 3.0  | 3.0  | 4.0  | 9.0   | 15.0  | 7.0   | 4.0   | 5.0   | 6.0   | 17   | 35.0    |      |
| 2    | 6.0   | 8.0   | 11.0  | 9.0   | 20.0  | 25.0  | 28.0  | 27.0  | 14.0  | 9.0  | 9.0  | 5.0  | 4.0  | 4.0  | 4.0  | 3.0  | 3.0  | 4.0  | 5.0   | 17.0  | 34.0  | 47.0  | 34.0  | 37.0  | 24   | 47.0    |      |
| 3    | 42.0  | 43.0  | 35.0  | 26.0  | 21.0  | 26.0  | 28.0  | 28.0  | 23.0  | 16.0 | 7.0  | 8.0  | 4.0  | 4.0  | 3.0  | 3.0  | 4.0  | 6.0  | 11.0  | 14.0  | 9.0   | 12.0  | 12.0  | 8.0   | 24   | 43.0    |      |
| 4    | 5.0   | 6.0   | 6.0   | 5.0   | 6.0   | 7.0   | 10.0  | 10.0  | 5.0   | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 6.0   | 13.0  | 14.0  | 14.0  | 9.0   | 9.0   | 24   | 14.0    |      |
| 5    | 7.0   | 12.0  | 8.0   | 5.0   | 5.0   | 8.0   | 8.0   | 6.0   | 5.0   | 4.0  | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 6.0   | 11.0  | 19.0  | 15.0  | 16.0  | 11.0  | 24   | 19.0    |      |
| 6    | 8.0   | 8.0   | 9.0   | 7.0   | 8.0   | 12.0  | 17.0  | 11.0  | 6.0   | 6.0  | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 4.0  | 7.0   | 9.0   | 20.0  | 13.0  | 5.0   | 4.0   | 24   | 20.0    |      |
| 7    | 3.0   | 3.0   | 3.0   | 3.0   | 4.0   | 5.0   | 10.0  | 9.0   | 6.0   | 6.0  | BF   | BF   | BF   | BF   | 3.0  | 4.0  | 4.0  | 5.0  | 9.0   | 15.0  | 18.0  | 22.0  | 21.0  | 15.0  | 20   | 22.0    |      |
| 8    | 13.0  | 8.0   | 6.0   | 6.0   | 4.0   | 6.0   | 6.0   | 6.0   | 7.0   | 6.0  | 5.0  | 7.0  | 5.0  | 8.0  | 9.0  | 7.0  | 6.0  | 5.0  | 7.0   | 13.0  | 22.0  | 23.0  | 21.0  | 22.0  | 24   | 23.0    |      |
| 9    | 21.0  | 23.0  | 21.0  | 16.0  | 16.0  | 14.0  | 15.0  | 21.0  | 11.0  | 7.0  | 7.0  | 7.0  | 8.0  | 10.0 | 6.0  | 7.0  | 6.0  | 8.0  | 13.0  | 22.0  | 23.0  | 11.0  | 15.0  | 12.0  | 24   | 23.0    |      |
| 10   | 10.0  | 6.0   | 6.0   | 8.0   | 6.0   | 8.0   | 11.0  | 14.0  | 10.0  | 6.0  | 4.0  | 4.0  | 6.0  | 6.0  | 6.0  | 7.0  | 8.0  | 14.0 | 20.0  | 21.0  | 21.0  | 25.0  | 17.0  | 11.0  | 24   | 25.0    |      |
| 11   | 7.0   | 7.0   | 8.0   | 6.0   | 5.0   | 4.0   | 5.0   | 5.0   | 4.0   | 4.0  | 4.0  | 4.0  | 9.0  | 9.0  | 8.0  | 7.0  | 6.0  | 6.0  | 10.0  | 12.0  | 14.0  | 13.0  | 9.0   | 8.0   | 24   | 14.0    |      |
| 12   | 9.0   | 9.0   | 11.0  | 12.0  | 12.0  | 11.0  | 9.0   | 6.0   | 4.0   | 4.0  | 4.0  | 3.0  | 2.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0   | 8.0   | 11.0  | 7.0   | 7.0   | 5.0   | 24   | 12.0    |      |
| 13   | 4.0   | 4.0   | 4.0   | 7.0   | 7.0   | 8.0   | 15.0  | 18.0  | 12.0  | 6.0  | 4.0  | 3.0  | 3.0  | 4.0  | 3.0  | 3.0  | 4.0  | 5.0  | 9.0   | 12.0  | 26.0  | 33.0  | 32.0  | 32.0  | 24   | 33.0    |      |
| 14   | 35.0  | 34.0  | 30.0  | 25.0  | 25.0  | 21.0  | 20.0  | 32.0  | 30.0  | 24.0 | 19.0 | 9.0  | 5.0  | 4.0  | 4.0  | 3.0  | 4.0  | 6.0  | 14.0  | 29.0  | 52.0  | 46.0  | 38.0  | 36.0  | 24   | 52.0    |      |
| 15   | 33.0  | 29.0  | 28.0  | 25.0  | 20.0  | 23.0  | 30.0  | 28.0  | 23.0  | 10.0 | 6.0  | 3.0  | 3.0  | 2.0  | 3.0  | 3.0  | 3.0  | 5.0  | 8.0   | 28.0  | 47.0  | 41.0  | 27.0  | 21.0  | 24   | 47.0    |      |
| 16   | 16.0  | 11.0  | 8.0   | 8.0   | 10.0  | 12.0  | 15.0  | 17.0  | BF    | BF   | BF   | 3.0  | 3.0  | 2.0  | 2.0  | 2.0  | 3.0  | 4.0  | 6.0   | 8.0   | 8.0   | 7.0   | 6.0   | 4.0   | 21   | 17.0    |      |
| 17   | 3.0   | 3.0   | 2.0   | 3.0   | 4.0   | 5.0   | 8.0   | 12.0  | 9.0   | 9.0  | 13.0 | 8.0  | 6.0  | 5.0  | 4.0  | 4.0  | 6.0  | 13.0 | 19.0  | 30.0  | 25.0  | 23.0  | 25.0  | 23.0  | 24   | 30.0    |      |
| 18   | 14.0  | 8.0   | 6.0   | 6.0   | 7.0   | 6.0   | 8.0   | 7.0   | 6.0   | 5.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 6.0  | 12.0  | 20.0  | 21.0  | 25.0  | 22.0  | 20.0  | 24   | 25.0    |      |
| 19   | 17.0  | 14.0  | 23.0  | 25.0  | 18.0  | 13.0  | 12.0  | 12.0  | 7.0   | 6.0  | 5.0  | 4.0  | 3.0  | 3.0  | 4.0  | 4.0  | 3.0  | 4.0  | 8.0   | 21.0  | 39.0  | 40.0  | 35.0  | 40.0  | 24   | 40.0    |      |
| 20   | 45.0  | 38.0  | 34.0  | 29.0  | 32.0  | 32.0  | 38.0  | 31.0  | 13.0  | 7.0  | 5.0  | 4.0  | 5.0  | 6.0  | 3.0  | 3.0  | 3.0  | 6.0  | 12.0  | 19.0  | 13.0  | 16.0  | 24.0  | 22.0  | 24   | 45.0    |      |
| 21   | 18.0  | 17.0  | 21.0  | 22.0  | 7.0   | 8.0   | 8.0   | 6.0   | 5.0   | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 3.0  | 3.0  | 5.0  | 11.0 | 23.0  | 30.0  | 6.0   | 2.0   | 2.0   | 2.0   | 24   | 30.0    |      |
| 22   | 3.0   | 3.0   | 4.0   | 4.0   | 4.0   | 6.0   | 8.0   | AZ    | AZ    | AZ   | AZ   | AZ   | AZ   | AZ   | 3.0  | 3.0  | 3.0  | 5.0  | 10.0  | 11.0  | 12.0  | 16.0  | 31.0  | 24.0  | 14.0 | 18      | 31.0 |
| 23   | 9.0   | 6.0   | 6.0   | 6.0   | 5.0   | 8.0   | 9.0   | 14.0  | 19.0  | 15.0 | 21.0 | 20.0 | 12.0 | 4.0  | 4.0  | 3.0  | 3.0  | 7.0  | 11.0  | 16.0  | 15.0  | 8.0   | 4.0   | 5.0   | 24   | 21.0    |      |
| 24   | 5.0   | 5.0   | 6.0   | 6.0   | 8.0   | 10.0  | 18.0  | 20.0  | 18.0  | 17.0 | 11.0 | 8.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 4.0  | 8.0   | 11.0  | 15.0  | 19.0  | 16.0  | 17.0  | 24   | 20.0    |      |
| 25   | 9.0   | 8.0   | 7.0   | 7.0   | 6.0   | 6.0   | 7.0   | 6.0   | 6.0   | 6.0  | 4.0  | 4.0  | 4.0  | 3.0  | 2.0  | 2.0  | 2.0  | 5.0  | 10.0  | 6.0   | 9.0   | 4.0   | 6.0   | 5.0   | 24   | 10.0    |      |
| 26   | 8.0   | 9.0   | 13.0  | 10.0  | 7.0   | 6.0   | 7.0   | 4.0   | 4.0   | 3.0  | 6.0  | 7.0  | 7.0  | 6.0  | 4.0  | 4.0  | 6.0  | 6.0  | 6.0   | 8.0   | 7.0   | 6.0   | 4.0   | 5.0   | 24   | 13.0    |      |
| 27   | 3.0   | 5.0   | 5.0   | 6.0   | 6.0   | 5.0   | 8.0   | 18.0  | 13.0  | 10.0 | 9.0  | 7.0  | 5.0  | 6.0  | 5.0  | 5.0  | 7.0  | 6.0  | 5.0   | 4.0   | 3.0   | 3.0   | 2.0   | 2.0   | 24   | 18.0    |      |
| 28   | 2.0   | 3.0   | 3.0   | 3.0   | 3.0   | 5.0   | 9.0   | 15.0  | 14.0  | 8.0  | BF   | BF   | BF   | 6.0  | 7.0  | 7.0  | 8.0  | 16.0 | 22.0  | 33.0  | 17.0  | 10.0  | 14.0  | 16.0  | 21   | 33.0    |      |
| 29   | 13.0  | 13.0  | 8.0   | 12.0  | 15.0  | 9.0   | 10.0  | 12.0  | 12.0  | 12.0 | 11.0 | 10.0 | 9.0  | 8.0  | 7.0  | 7.0  | 7.0  | 7.0  | 10.0  | 9.0   | 8.0   | 6.0   | 7.0   | 9.0   | 24   | 15.0    |      |
| 30   | 6.0   | 4.0   | 4.0   | 4.0   | 4.0   | 7.0   | 10.0  | 13.0  | 13.0  | 9.0  | 4.0  | 4.0  | 4.0  | 4.0  | 3.0  | 5.0  | 8.0  | 7.0  | 8.0   | 10.0  | 10.0  | 5.0   | 5.0   | 5.0   | 24   | 13.0    |      |
| 31   |       |       |       |       |       |       |       |       |       |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |      | 0       |      |
| NO.: | 30    | 30    | 30    | 30    | 30    | 30    | 30    | 29    | 27    | 27   | 25   | 26   | 26   | 28   | 29   | 30   | 30   | 30   | 30    | 30    | 30    | 30    | 30    | 30    | 30   |         |      |
| MAX: | 45.0  | 43.0  | 35.0  | 29.0  | 35.0  | 32.0  | 38.0  | 32.0  | 30.0  | 24.0 | 21.0 | 20.0 | 12.0 | 10.0 | 9.0  | 7.0  | 8.0  | 16.0 | 23.0  | 33.0  | 52.0  | 47.0  | 38.0  | 40.0  |      |         |      |
| AVG: | 13.30 | 12.30 | 11.87 | 11.10 | 11.00 | 11.60 | 13.83 | 14.86 | 11.07 | 8.22 | 7.00 | 5.62 | 4.81 | 4.54 | 4.00 | 3.93 | 4.47 | 6.47 | 10.33 | 15.87 | 18.30 | 17.70 | 15.47 | 14.20 |      |         |      |

MONTHLY OBSERVATIONS: 697 MONTHLY MEAN: 10.61 MONTHLY MAX: 52.0

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
AIR QUALITY SYSTEM  
RAW DATA REPORT

Dec. 15, 2015

(42602) Nitrogen dioxide (NO<sub>2</sub>)

SITE ID: 37-119-0041 POC: 1  
 COUNTY: (119) Mecklenburg STATE: (37) North Carolina  
 CITY: (12000) Charlotte AOCR: (167) METROPOLITAN CHARLOTTE  
 SITE ADDRESS: 1130 EASTWAY DRIVE URBANIZED AREA: (1510) CHARLOTTE, NC  
 SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN LAND USE: RESIDENTIAL  
 MONITOR COMMENTS: LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0  
 LATITUDE: 35.2401000009  
 LONGITUDE: -80.785683  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 232  
 PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE

PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: OCTOBER 2010

DURATION: 1 HOUR

UNITS: Parts per billion

MIN DETECTABLE: 1

| 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    | 8.0   | 10.0  | 4.0   | 3.0   | 4.0   | 5.0   | 8.0   | 8.0   | 5.0   | 4.0   | 4.0  | 3.0  | 3.0  | 3.0  | BA   | 4.0  | 4.0  | 6.0  | 19.0  | 27.0  | 16.0  | 8.0   | 7.0   | 6.0   | 23   | 27.0    |  |
| 2    | 7.0   | 8.0   | 6.0   | 6.0   | 7.0   | 10.0  | 13.0  | 14.0  | 7.0   | 4.0   | 2.0  | 2.0  | 2.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0  | 14.0  | 32.0  | 30.0  | 29.0  | 27.0  | 26.0  | 24   | 32.0    |  |
| 3    | 22.0  | 19.0  | 17.0  | 11.0  | 8.0   | 9.0   | 9.0   | 7.0   | 5.0   | 4.0   | 3.0  | 2.0  | 3.0  | 2.0  | 3.0  | 4.0  | 4.0  | 7.0  | 11.0  | 8.0   | 6.0   | 5.0   | 3.0   | 3.0   | 24   | 22.0    |  |
| 4    | 2.0   | 2.0   | 2.0   | 2.0   | 3.0   | 5.0   | 10.0  | 12.0  | 9.0   | 4.0   | 4.0  | 3.0  | 2.0  | 3.0  | 4.0  | 4.0  | 5.0  | 8.0  | 17.0  | 24.0  | 29.0  | 27.0  | 14.0  | 16.0  | 24   | 29.0    |  |
| 5    | 19.0  | 22.0  | 15.0  | 15.0  | 17.0  | 16.0  | 16.0  | 22.0  | 14.0  | 4.0   | 3.0  | 4.0  | 3.0  | 3.0  | 3.0  | 4.0  | 4.0  | 5.0  | 7.0   | 6.0   | 8.0   | 11.0  | 12.0  | 15.0  | 24   | 22.0    |  |
| 6    | 17.0  | 15.0  | 19.0  | 18.0  | 21.0  | 21.0  | 20.0  | 22.0  | 16.0  | 9.0   | 5.0  | 4.0  | 3.0  | 4.0  | 5.0  | 4.0  | 5.0  | 8.0  | 18.0  | 32.0  | 41.0  | 33.0  | 30.0  | 30.0  | 24   | 41.0    |  |
| 7    | 26.0  | 23.0  | 21.0  | 20.0  | 20.0  | 22.0  | 27.0  | 28.0  | BF    | BF    | BF   | 7.0  | 4.0  | 6.0  | 7.0  | 6.0  | 8.0  | 9.0  | 17.0  | 24.0  | 29.0  | 22.0  | 26.0  | 9.0   | 21   | 29.0    |  |
| 8    | 6.0   | 6.0   | 8.0   | 7.0   | 10.0  | 26.0  | 28.0  | 26.0  | 16.0  | 6.0   | 3.0  | 3.0  | 3.0  | 4.0  | 7.0  | 10.0 | 12.0 | 14.0 | 25.0  | 42.0  | 47.0  | 45.0  | 39.0  | 40.0  | 24   | 47.0    |  |
| 9    | 38.0  | 32.0  | 24.0  | 20.0  | 17.0  | 17.0  | 18.0  | 22.0  | 30.0  | 32.0  | 15.0 | 5.0  | 4.0  | 4.0  | 3.0  | 3.0  | 4.0  | 11.0 | 20.0  | 46.0  | 46.0  | 40.0  | 39.0  | 41.0  | 24   | 46.0    |  |
| 10   | 36.0  | 32.0  | 36.0  | 30.0  | 20.0  | 17.0  | 15.0  | 18.0  | 14.0  | 10.0  | 6.0  | 3.0  | 3.0  | 4.0  | 5.0  | 7.0  | 5.0  | 8.0  | 14.0  | 23.0  | 17.0  | 15.0  | 16.0  | 19.0  | 24   | 36.0    |  |
| 11   | 24.0  | 18.0  | 15.0  | 13.0  | 13.0  | 14.0  | 18.0  | 22.0  | 21.0  | 20.0  | 14.0 | 6.0  | 4.0  | 3.0  | 4.0  | 3.0  | 4.0  | 10.0 | 16.0  | 32.0  | 29.0  | 24.0  | 19.0  | 17.0  | 24   | 32.0    |  |
| 12   | 15.0  | 12.0  | 13.0  | 10.0  | 9.0   | 14.0  | 19.0  | 20.0  | 38.0  | 37.0  | 27.0 | 17.0 | 9.0  | 4.0  | 6.0  | 10.0 | 10.0 | 21.0 | 30.0  | 31.0  | 13.0  | 13.0  | 15.0  | 9.0   | 24   | 38.0    |  |
| 13   | 7.0   | 11.0  | 13.0  | 13.0  | 23.0  | 30.0  | 34.0  | 33.0  | 22.0  | 11.0  | 7.0  | 5.0  | 4.0  | 5.0  | 5.0  | 6.0  | 14.0 | 25.0 | 30.0  | 36.0  | 23.0  | 15.0  | 17.0  | 17.0  | 24   | 36.0    |  |
| 14   | 10.0  | 8.0   | 8.0   | 8.0   | 15.0  | 18.0  | 21.0  | 22.0  | 20.0  | 13.0  | 11.0 | 8.0  | 5.0  | 4.0  | 4.0  | 4.0  | 6.0  | 7.0  | 11.0  | 11.0  | 13.0  | 16.0  | 26.0  | 22.0  | 24   | 26.0    |  |
| 15   | 17.0  | 17.0  | 13.0  | 13.0  | 14.0  | 15.0  | 15.0  | 20.0  | 19.0  | 12.0  | 5.0  | 3.0  | 3.0  | 4.0  | 5.0  | 5.0  | 5.0  | 7.0  | 18.0  | 18.0  | 8.0   | 12.0  | 20.0  | 24.0  | 24   | 24.0    |  |
| 16   | 21.0  | 22.0  | 23.0  | 21.0  | 19.0  | 22.0  | 21.0  | 23.0  | 10.0  | 6.0   | 4.0  | 3.0  | 2.0  | 3.0  | 3.0  | 3.0  | 3.0  | 6.0  | 11.0  | 25.0  | 29.0  | 27.0  | 26.0  | 22.0  | 24   | 29.0    |  |
| 17   | 22.0  | 17.0  | 16.0  | 16.0  | 16.0  | 12.0  | 11.0  | 13.0  | 20.0  | 16.0  | 9.0  | 6.0  | 5.0  | 5.0  | 4.0  | 4.0  | 4.0  | 7.0  | 12.0  | 21.0  | 31.0  | 29.0  | 27.0  | 24.0  | 24   | 31.0    |  |
| 18   | 20.0  | 18.0  | 17.0  | 14.0  | 17.0  | 19.0  | 16.0  | 19.0  | 27.0  | BF    | BF   | BF   | 24.0 | 20.0 | 14.0 | 12.0 | 13.0 | 19.0 | 24.0  | 25.0  | 27.0  | 27.0  | 25.0  | 21.0  | 21   | 27.0    |  |
| 19   | 18.0  | 16.0  | 13.0  | 11.0  | 12.0  | 14.0  | 17.0  | 22.0  | 27.0  | 36.0  | 32.0 | 12.0 | 6.0  | 4.0  | 4.0  | 6.0  | 12.0 | 19.0 | 28.0  | 36.0  | 32.0  | 23.0  | 26.0  | 24    | 36.0 |         |  |
| 20   | 21.0  | 12.0  | 11.0  | 9.0   | 17.0  | 27.0  | 22.0  | 13.0  | 11.0  | 12.0  | 10.0 | 7.0  | 10.0 | 10.0 | 7.0  | 7.0  | 10.0 | 13.0 | 16.0  | 21.0  | 23.0  | 27.0  | 24.0  | 22.0  | 24   | 27.0    |  |
| 21   | 20.0  | 19.0  | 16.0  | 18.0  | 16.0  | 15.0  | 16.0  | 17.0  | 25.0  | 18.0  | 10.0 | 6.0  | 4.0  | 4.0  | 4.0  | 5.0  | 8.0  | 11.0 | 17.0  | 32.0  | 24.0  | 25.0  | 31.0  | 25.0  | 24   | 32.0    |  |
| 22   | 22.0  | 18.0  | 15.0  | 11.0  | 6.0   | 12.0  | 27.0  | 28.0  | 12.0  | 8.0   | 7.0  | 4.0  | 4.0  | 3.0  | 4.0  | 4.0  | 6.0  | 11.0 | 32.0  | 35.0  | 34.0  | 32.0  | 25.0  | 23.0  | 24   | 35.0    |  |
| 23   | 23.0  | 18.0  | 16.0  | 14.0  | 15.0  | 12.0  | 12.0  | 13.0  | 28.0  | 15.0  | 10.0 | 9.0  | 7.0  | 6.0  | 5.0  | 4.0  | 4.0  | 7.0  | 20.0  | 45.0  | 43.0  | 39.0  | 24.0  | 18.0  | 24   | 45.0    |  |
| 24   | 15.0  | 11.0  | 13.0  | 9.0   | 8.0   | 10.0  | 13.0  | 13.0  | 10.0  | 6.0   | 3.0  | 3.0  | 2.0  | 2.0  | 2.0  | 3.0  | 3.0  | 5.0  | 14.0  | 32.0  | 23.0  | 11.0  | 5.0   | 4.0   | 24   | 32.0    |  |
| 25   | 3.0   | 2.0   | 2.0   | 2.0   | 3.0   | 3.0   | 4.0   | 5.0   | 5.0   | 5.0   | 6.0  | 6.0  | 6.0  | 7.0  | 8.0  | 9.0  | 7.0  | 9.0  | 12.0  | 8.0   | 6.0   | 7.0   | 5.0   | 4.0   | 24   | 12.0    |  |
| 26   | 4.0   | 4.0   | 3.0   | 3.0   | 3.0   | 4.0   | 6.0   | 6.0   | 5.0   | 4.0   | 4.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 3.0  | 3.0  | 3.0   | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   | 24   | 6.0     |  |
| 27   | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   | 3.0   | 4.0   | 4.0   | 3.0   | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 5.0  | 3.0  | 4.0   | 4.0   | 4.0   | 4.0   | 3.0   | 3.0   | 24   | 5.0     |  |
| 28   | 2.0   | 2.0   | 2.0   | 2.0   | 3.0   | 5.0   | 7.0   | 7.0   | 7.0   | 5.0   | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 7.0  | 7.0  | 14.0 | 15.0  | 10.0  | 9.0   | 10.0  | 16.0  | 21.0  | 24   | 21.0    |  |
| 29   | 25.0  | 21.0  | 16.0  | 7.0   | 16.0  | 6.0   | 6.0   | 12.0  | 7.0   | BF    | BF   | 4.0  | 4.0  | 4.0  | 6.0  | 6.0  | 7.0  | 13.0 | 32.0  | 30.0  | 27.0  | 24.0  | 19.0  | 18.0  | 22   | 32.0    |  |
| 30   | 20.0  | 19.0  | 17.0  | 17.0  | 14.0  | 9.0   | 9.0   | 12.0  | 6.0   | 5.0   | 5.0  | 4.0  | 4.0  | 4.0  | 3.0  | 3.0  | 4.0  | 6.0  | 13.0  | 19.0  | 12.0  | 9.0   | 6.0   | 5.0   | 24   | 20.0    |  |
| 31   | 6.0   | 7.0   | 6.0   | 3.0   | 3.0   | 7.0   | 11.0  | 12.0  | 10.0  | 11.0  | 10.0 | 4.0  | 4.0  | 3.0  | 3.0  | 4.0  | 5.0  | 8.0  | 24.0  | 35.0  | 33.0  | 31.0  | 28.0  | 26.0  | 24   | 35.0    |  |
| NO.: | 31    | 31    | 31    | 31    | 31    | 31    | 31    | 31    | 30    | 28    | 28   | 30   | 31   | 31   | 30   | 31   | 31   | 31   | 31    | 31    | 31    | 31    | 31    | 31    | 31   |         |  |
| MAX: | 38.0  | 32.0  | 36.0  | 30.0  | 23.0  | 30.0  | 34.0  | 33.0  | 38.0  | 37.0  | 32.0 | 17.0 | 24.0 | 20.0 | 14.0 | 12.0 | 13.0 | 21.0 | 32.0  | 46.0  | 47.0  | 45.0  | 39.0  | 41.0  |      |         |  |
| AVG: | 16.06 | 14.29 | 12.97 | 11.23 | 11.97 | 13.48 | 15.23 | 16.61 | 15.00 | 11.43 | 8.04 | 5.03 | 4.68 | 4.48 | 4.60 | 4.97 | 5.81 | 9.26 | 17.10 | 24.45 | 23.58 | 21.26 | 19.29 | 18.00 |      |         |  |

MONTHLY OBSERVATIONS: 735 MONTHLY MEAN: 12.91 MONTHLY MAX: 47.0

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-119-0041 POC: 1  
 COUNTY: (119) Mecklenburg STATE: (37) North Carolina  
 CITY: (12000) Charlotte AQCR: (167) METROPOLITAN CHARLOTTE  
 URBANIZED AREA: (1510) CHARLOTTE, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: URBAN AND CENTER CITY  
 SITE ADDRESS: 1130 EASTWAY DRIVE  
 SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN  
 MONITOR COMMENTS:

CAS NUMBER: 10102-44-0  
 LATITUDE: 35.2401000009  
 LONGITUDE: -80.785683  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 232  
 PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality

MONITOR TYPE: SLAMS

REPORT FOR: NOVEMBER 2010

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE

UNITS: Parts per billion

PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

MIN DETECTABLE: 1

| 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    | 24.0  | 21.0  | 13.0  | 9.0   | 5.0   | 7.0   | 8.0   | 8.0   | 6.0   | 4.0   | 4.0  | 3.0  | 3.0  | 4.0  | 4.0  | 4.0  | 6.0  | 12.0  | 17.0  | 16.0  | 9.0   | 5.0   | 4.0   | 4.0   | 24   | 24.0    |  |
| 2    | 8.0   | 6.0   | 6.0   | 6.0   | 9.0   | 11.0  | 11.0  | 12.0  | 8.0   | 6.0   | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 4.0  | 5.0  | 7.0   | 17.0  | 15.0  | 12.0  | 10.0  | 11.0  | 8.0   | 24   | 17.0    |  |
| 3    | 7.0   | 7.0   | 10.0  | 8.0   | 13.0  | 17.0  | 19.0  | 19.0  | 16.0  | 13.0  | 12.0 | 13.0 | 12.0 | 12.0 | 15.0 | 16.0 | 16.0 | 21.0  | 22.0  | 14.0  | 9.0   | 7.0   | 6.0   | 5.0   | 24   | 22.0    |  |
| 4    | 5.0   | 5.0   | 6.0   | 5.0   | 6.0   | 10.0  | 15.0  | 15.0  | 14.0  | 13.0  | 13.0 | 10.0 | 10.0 | 8.0  | 10.0 | 11.0 | 9.0  | 13.0  | 17.0  | 16.0  | 17.0  | 12.0  | 9.0   | 9.0   | 24   | 17.0    |  |
| 5    | 11.0  | 12.0  | 12.0  | 14.0  | 15.0  | 20.0  | 22.0  | 23.0  | 24.0  | 11.0  | 5.0  | 4.0  | 4.0  | 5.0  | 6.0  | 7.0  | 7.0  | 17.0  | 25.0  | 7.0   | 6.0   | 13.0  | 21.0  | 10.0  | 24   | 25.0    |  |
| 6    | 9.0   | 6.0   | 9.0   | 11.0  | 14.0  | 15.0  | 10.0  | 11.0  | 6.0   | 5.0   | 3.0  | 3.0  | 2.0  | 2.0  | 2.0  | 4.0  | 4.0  | 6.0   | 10.0  | 9.0   | 7.0   | 7.0   | 5.0   | 5.0   | 24   | 15.0    |  |
| 7    | 6.0   | 9.0   | 8.0   | 9.0   | 13.0  | 5.0   | 5.0   | 8.0   | 4.0   | 2.0   | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 4.0  | 4.0  | 8.0   | 11.0  | 20.0  | 26.0  | 24.0  | 21.0  | 20.0  | 24   | 26.0    |  |
| 8    | 19.0  | 19.0  | 20.0  | 20.0  | 21.0  | 20.0  | 19.0  | 20.0  | 28.0  | BF    | BF   | BF   | 15.0 | 9.0  | 10.0 | 11.0 | 18.0 | 28.0  | 46.0  | 50.0  | 42.0  | 24.0  | 18.0  | 24.0  | 21   | 50.0    |  |
| 9    | 26.0  | 34.0  | 32.0  | 25.0  | 20.0  | 16.0  | 20.0  | 36.0  | 39.0  | 19.0  | 10.0 | 7.0  | 5.0  | 6.0  | 8.0  | 8.0  | 17.0 | 36.0  | 47.0  | 46.0  | 45.0  | 44.0  | 41.0  | 24    | 47.0 |         |  |
| 10   | 32.0  | 32.0  | 36.0  | 30.0  | 11.0  | 16.0  | 33.0  | 30.0  | 30.0  | 9.0   | 7.0  | 5.0  | 8.0  | 9.0  | 9.0  | 8.0  | 11.0 | 36.0  | 50.0  | 45.0  | 42.0  | 40.0  | 38.0  | 33.0  | 24   | 50.0    |  |
| 11   | 29.0  | 26.0  | 26.0  | 36.0  | 32.0  | 28.0  | 24.0  | 27.0  | 25.0  | 20.0  | 12.0 | 9.0  | 8.0  | 9.0  | 6.0  | 6.0  | 8.0  | 17.0  | 39.0  | 41.0  | 37.0  | 33.0  | 36.0  | 33.0  | 24   | 41.0    |  |
| 12   | 34.0  | 33.0  | 31.0  | 24.0  | 23.0  | 22.0  | 24.0  | 27.0  | 22.0  | 17.0  | 14.0 | 12.0 | 11.0 | 10.0 | 11.0 | 14.0 | 30.0 | 41.0  | 40.0  | 39.0  | 32.0  | 29.0  | 27.0  | 24    | 41.0 |         |  |
| 13   | 27.0  | 25.0  | 20.0  | 19.0  | 21.0  | 20.0  | 19.0  | 20.0  | 23.0  | 18.0  | 9.0  | 8.0  | 9.0  | 9.0  | 10.0 | 14.0 | 17.0 | 22.0  | 34.0  | 41.0  | 38.0  | 36.0  | 31.0  | 29.0  | 24   | 41.0    |  |
| 14   | 27.0  | 25.0  | 25.0  | 23.0  | 22.0  | 19.0  | 19.0  | 17.0  | 20.0  | 22.0  | 12.0 | 7.0  | 4.0  | 4.0  | 3.0  | 3.0  | 5.0  | 9.0   | 24.0  | 26.0  | 17.0  | 17.0  | 21.0  | 23.0  | 24   | 27.0    |  |
| 15   | 20.0  | 23.0  | 21.0  | 18.0  | 17.0  | 23.0  | 26.0  | 26.0  | 24.0  | 20.0  | 20.0 | 22.0 | 27.0 | 20.0 | 20.0 | 20.0 | 25.0 | 31.0  | 38.0  | 39.0  | 34.0  | 29.0  | 24.0  | 28.0  | 24   | 39.0    |  |
| 16   | 31.0  | 30.0  | 28.0  | 26.0  | 17.0  | 10.0  | 10.0  | 15.0  | 14.0  | 10.0  | 7.0  | 5.0  | 4.0  | 4.0  | 4.0  | 5.0  | 5.0  | 6.0   | 5.0   | 5.0   | 3.0   | 2.0   | 4.0   | 4.0   | 24   | 31.0    |  |
| 17   | 3.0   | 3.0   | 3.0   | 3.0   | 4.0   | 6.0   | 12.0  | 21.0  | 14.0  | 6.0   | 3.0  | 4.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.0  | 17.0  | 28.0  | 37.0  | 37.0  | 35.0  | 31.0  | 30.0  | 24   | 37.0    |  |
| 18   | 27.0  | 27.0  | 27.0  | 25.0  | 20.0  | 20.0  | 23.0  | 26.0  | 27.0  | 22.0  | BF   | BF   | 7.0  | 12.0 | 13.0 | 17.0 | 9.0  | 23.0  | 35.0  | 37.0  | 35.0  | 31.0  | 28.0  | 31.0  | 22   | 37.0    |  |
| 19   | 27.0  | 23.0  | 22.0  | 21.0  | 27.0  | 28.0  | 29.0  | 23.0  | 14.0  | 7.0   | 5.0  | 3.0  | 4.0  | 3.0  | 5.0  | 5.0  | 6.0  | 12.0  | 27.0  | 40.0  | 38.0  | 36.0  | 22.0  | 29.0  | 24   | 40.0    |  |
| 20   | 24.0  | 23.0  | 13.0  | 12.0  | 11.0  | 11.0  | 12.0  | 15.0  | 15.0  | 16.0  | 9.0  | 5.0  | 5.0  | 4.0  | 5.0  | 4.0  | 5.0  | 11.0  | 24.0  | 39.0  | 40.0  | 39.0  | 36.0  | 30.0  | 24   | 40.0    |  |
| 21   | 34.0  | 30.0  | 24.0  | 21.0  | 19.0  | 20.0  | 20.0  | 18.0  | 25.0  | 27.0  | 13.0 | 13.0 | 8.0  | 7.0  | 6.0  | 5.0  | 7.0  | 15.0  | 45.0  | 41.0  | 38.0  | 37.0  | 36.0  | 33.0  | 24   | 45.0    |  |
| 22   | 30.0  | 26.0  | 22.0  | 19.0  | 13.0  | 14.0  | 24.0  | 26.0  | BF    | BF    | BC   | BC   | BC   | BC   | BC   | BC   | 7.0  | 14.0  | 26.0  | 25.0  | 12.0  | 12.0  | 12.0  | 8.0   | 16   | 30.0    |  |
| 23   | 7.0   | 7.0   | 7.0   | 8.0   | 9.0   | 9.0   | 11.0  | 12.0  | 12.0  | 10.0  | 6.0  | 5.0  | 4.0  | 4.0  | 4.0  | 5.0  | 11.0 | 14.0  | 17.0  | 17.0  | 13.0  | 24.0  | 25.0  | 24    | 25.0 |         |  |
| 24   | 24.0  | 22.0  | 15.0  | 11.0  | 13.0  | 10.0  | 14.0  | 17.0  | 17.0  | 11.0  | 8.0  | 5.0  | 5.0  | 5.0  | 4.0  | 3.0  | 6.0  | 17.0  | 37.0  | 36.0  | 34.0  | 35.0  | 14.0  | 9.0   | 24   | 37.0    |  |
| 25   | 8.0   | 10.0  | 13.0  | 10.0  | 8.0   | 11.0  | 6.0   | 7.0   | 8.0   | 8.0   | 12.0 | 10.0 | 11.0 | 10.0 | 8.0  | 8.0  | 6.0  | 8.0   | 12.0  | 16.0  | 19.0  | 20.0  | 16.0  | 13.0  | 24   | 20.0    |  |
| 26   | 8.0   | 4.0   | 3.0   | 2.0   | 2.0   | 2.0   | 2.0   | 5.0   | 4.0   | 7.0   | 7.0  | 6.0  | 4.0  | 6.0  | 8.0  | 6.0  | 8.0  | 16.0  | 15.0  | 4.0   | 7.0   | 5.0   | 4.0   | 4.0   | 24   | 16.0    |  |
| 27   | 5.0   | 3.0   | 4.0   | 3.0   | 6.0   | 7.0   | 11.0  | 6.0   | 7.0   | 4.0   | 3.0  | 3.0  | 4.0  | 3.0  | 3.0  | 3.0  | 5.0  | 14.0  | 22.0  | 34.0  | 21.0  | 12.0  | 12.0  | 16.0  | 24   | 34.0    |  |
| 28   | 11.0  | 8.0   | 12.0  | 12.0  | 10.0  | 18.0  | 11.0  | 9.0   | 8.0   | 3.0   | 3.0  | 2.0  | 3.0  | 2.0  | 3.0  | 3.0  | 4.0  | 20.0  | 30.0  | 31.0  | 30.0  | 30.0  | 27.0  | 16.0  | 24   | 31.0    |  |
| 29   | 13.0  | 10.0  | 15.0  | 19.0  | 16.0  | 13.0  | 21.0  | 22.0  | 23.0  | 17.0  | 14.0 | 14.0 | 11.0 | 8.0  | 9.0  | 8.0  | 9.0  | 11.0  | 10.0  | 8.0   | 9.0   | 11.0  | 11.0  | 9.0   | 24   | 23.0    |  |
| 30   | 14.0  | 16.0  | 14.0  | 10.0  | 8.0   | 10.0  | 20.0  | 20.0  | 15.0  | 6.0   | BF   | BF   | BF   | 4.0  | 5.0  | 5.0  | 5.0  | 4.0   | 3.0   | 3.0   | 3.0   | 2.0   | 2.0   | 1.0   | 21   | 20.0    |  |
| 31   |       |       |       |       |       |       |       |       |       |       |      |      |      |      |      |      |      |       |       |       |       |       |       |       |      | 0       |  |
| NO.: | 30    | 30    | 30    | 30    | 30    | 30    | 30    | 30    | 29    | 28    | 26   | 26   | 28   | 29   | 29   | 29   | 30   | 30    | 30    | 30    | 30    | 30    | 30    | 30    | 30   |         |  |
| MAX: | 34.0  | 34.0  | 36.0  | 36.0  | 32.0  | 28.0  | 33.0  | 36.0  | 39.0  | 27.0  | 20.0 | 22.0 | 27.0 | 20.0 | 20.0 | 20.0 | 25.0 | 36.0  | 50.0  | 50.0  | 46.0  | 45.0  | 44.0  | 41.0  |      |         |  |
| AVG: | 18.33 | 17.50 | 16.57 | 15.30 | 14.17 | 14.60 | 16.67 | 18.03 | 16.97 | 11.89 | 8.35 | 7.08 | 7.04 | 6.45 | 6.83 | 7.17 | 8.50 | 15.87 | 25.43 | 26.63 | 24.00 | 22.17 | 19.93 | 18.57 |      |         |  |

MONTHLY OBSERVATIONS: 704 MONTHLY MEAN: 15.32 MONTHLY MAX: 50.0

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
AIR QUALITY SYSTEM  
RAW DATA REPORT

Dec. 15, 2015

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-119-0041 POC: 1  
COUNTY: (119) Mecklenburg  
CITY: (12000) Charlotte  
SITE ADDRESS: 1130 EASTWAY DRIVE  
SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN  
MONITOR COMMENTS:

STATE: (37) North Carolina  
AQCR: (167) METROPOLITAN CHARLOTTE  
URBANIZED AREA: (1510) CHARLOTTE, NC  
LAND USE: RESIDENTIAL  
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0  
LATITUDE: 35.2401000009  
LONGITUDE: -80.785683  
UTM ZONE:  
UTM NORTHING:  
UTM EASTING:  
ELEVATION-MSL: 232  
PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE

PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: DECEMBER 2010

DURATION: 1 HOUR

UNITS: Parts per billion

MIN DETECTABLE: 1

| 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    | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   | 3.0   | 5.0   | 5.0   | 6.0   | 6.0   | 5.0  | 5.0  | 4.0  | 4.0  | 5.0   | 6.0   | 9.0   | 10.0  | 10.0  | 16.0  | 19.0  | 25.0  | 25.0  | 24   | 25.0    |  |
| 2    | 25.0  | 27.0  | 26.0  | 29.0  | 27.0  | 24.0  | 25.0  | 29.0  | 32.0  | 22.0  | 10.0  | 8.0  | 8.0  | 9.0  | 8.0  | 8.0   | 15.0  | 22.0  | 29.0  | 34.0  | 33.0  | 35.0  | 31.0  | 29.0  | 24   | 35.0    |  |
| 3    | 27.0  | 18.0  | 23.0  | 24.0  | 23.0  | 21.0  | 22.0  | 28.0  | 27.0  | 20.0  | 12.0  | 16.0 | 12.0 | 11.0 | 10.0 | 10.0  | 12.0  | 17.0  | 30.0  | 39.0  | 37.0  | 33.0  | 35.0  | 29.0  | 24   | 39.0    |  |
| 4    | 27.0  | 19.0  | 11.0  | 8.0   | 8.0   | 8.0   | 8.0   | 7.0   | 7.0   | 6.0   | 6.0   | 4.0  | 6.0  | 9.0  | 17.0 | 12.0  | 10.0  | 10.0  | 9.0   | 11.0  | 11.0  | 13.0  | 12.0  | 14.0  | 24   | 27.0    |  |
| 5    | 10.0  | 10.0  | 9.0   | 9.0   | 13.0  | 12.0  | 11.0  | 10.0  | 12.0  | 9.0   | 8.0   | 4.0  | 4.0  | 3.0  | 3.0  | 4.0   | 5.0   | 5.0   | 7.0   | 8.0   | 14.0  | 17.0  | 22.0  | 24    | 22.0 |         |  |
| 6    | 21.0  | 18.0  | 26.0  | 21.0  | 9.0   | 12.0  | 24.0  | 32.0  | 22.0  | 7.0   | 5.0   | 5.0  | 5.0  | 5.0  | 5.0  | 5.0   | 6.0   | 10.0  | 9.0   | 7.0   | 7.0   | 6.0   | 6.0   | 7.0   | 24   | 32.0    |  |
| 7    | 9.0   | 9.0   | 9.0   | 10.0  | 26.0  | 24.0  | 33.0  | 36.0  | 36.0  | 18.0  | 4.0   | 5.0  | 5.0  | 4.0  | 4.0  | 6.0   | 6.0   | 10.0  | 11.0  | 10.0  | 11.0  | 15.0  | 15.0  | 11.0  | 24   | 36.0    |  |
| 8    | 9.0   | 16.0  | 24.0  | 29.0  | 30.0  | 32.0  | 32.0  | 35.0  | AZ    | AZ    | AZ    | AZ   | AZ   | 10.0 | 9.0  | 12.0  | 18.0  | 29.0  | 19.0  | 28.0  | 19.0  | 27.0  | 32.0  | 34.0  | 19   | 35.0    |  |
| 9    | 26.0  | 16.0  | 19.0  | 27.0  | 27.0  | 22.0  | 31.0  | 33.0  | 23.0  | 7.0   | BF    | BF   | 11.0 | 10.0 | 12.0 | 15.0  | 18.0  | 32.0  | 41.0  | 39.0  | 38.0  | 36.0  | 36.0  | 36.0  | 22   | 41.0    |  |
| 10   | 35.0  | 28.0  | 15.0  | 12.0  | 15.0  | 16.0  | 20.0  | 32.0  | 30.0  | 19.0  | 11.0  | 10.0 | 11.0 | 13.0 | 14.0 | 17.0  | 18.0  | 34.0  | 39.0  | 39.0  | 38.0  | 37.0  | 34.0  | 34.0  | 24   | 39.0    |  |
| 11   | 33.0  | 32.0  | 32.0  | 35.0  | 34.0  | 35.0  | 36.0  | 31.0  | 29.0  | 21.0  | 18.0  | 13.0 | 11.0 | 10.0 | 9.0  | 9.0   | 9.0   | 12.0  | 11.0  | 7.0   | 6.0   | 11.0  | 11.0  | 13.0  | 24   | 36.0    |  |
| 12   | 11.0  | 10.0  | 9.0   | 8.0   | 9.0   | 7.0   | 6.0   | 6.0   | 4.0   | 4.0   | 4.0   | 5.0  | 5.0  | 4.0  | 4.0  | 6.0   | 6.0   | 6.0   | 4.0   | 4.0   | 5.0   | 4.0   | 4.0   | 4.0   | 24   | 11.0    |  |
| 13   | 3.0   | 4.0   | 5.0   | 10.0  | 10.0  | 10.0  | 12.0  | 19.0  | 9.0   | 5.0   | 4.0   | 5.0  | 5.0  | 4.0  | 5.0  | 5.0   | 8.0   | 9.0   | 9.0   | 11.0  | 8.0   | 10.0  | 6.0   | 6.0   | 24   | 19.0    |  |
| 14   | 8.0   | 8.0   | 9.0   | 12.0  | 21.0  | 15.0  | 14.0  | 18.0  | 21.0  | 11.0  | 7.0   | 5.0  | 4.0  | 4.0  | 4.0  | 5.0   | 8.0   | 9.0   | 19.0  | 13.0  | 12.0  | 14.0  | 20.0  | 20.0  | 24   | 21.0    |  |
| 15   | 29.0  | 34.0  | 34.0  | 32.0  | 34.0  | 35.0  | 36.0  | 40.0  | 39.0  | 21.0  | 12.0  | 11.0 | 9.0  | 10.0 | 9.0  | 15.0  | 21.0  | 20.0  | 24.0  | 38.0  | 32.0  | 19.0  | 15.0  | 16.0  | 24   | 40.0    |  |
| 16   | 14.0  | 10.0  | 10.0  | 8.0   | 7.0   | 8.0   | 10.0  | 12.0  | 14.0  | 14.0  | 13.0  | 12.0 | 12.0 | 11.0 | 12.0 | 13.0  | 14.0  | 17.0  | 18.0  | 19.0  | 20.0  | 21.0  | 18.0  | 19.0  | 24   | 21.0    |  |
| 17   | 19.0  | 16.0  | 18.0  | 19.0  | 19.0  | 17.0  | 18.0  | 19.0  | 18.0  | 16.0  | 12.0  | BF   | BF   | BF   | 10.0 | 10.0  | 12.0  | 23.0  | 27.0  | 18.0  | 8.0   | 10.0  | 14.0  | 14.0  | 21   | 27.0    |  |
| 18   | 13.0  | 13.0  | 12.0  | 15.0  | 15.0  | 13.0  | 12.0  | 14.0  | 14.0  | 12.0  | 11.0  | 11.0 | 11.0 | 9.0  | 11.0 | 13.0  | 15.0  | 15.0  | 13.0  | 11.0  | 9.0   | 12.0  | 13.0  | 17.0  | 24   | 17.0    |  |
| 19   | 16.0  | 18.0  | 18.0  | 15.0  | 15.0  | 13.0  | 14.0  | 15.0  | 11.0  | 8.0   | 7.0   | 6.0  | 5.0  | 5.0  | 6.0  | 7.0   | 10.0  | 18.0  | 26.0  | 9.0   | 7.0   | 7.0   | 7.0   | 8.0   | 24   | 26.0    |  |
| 20   | 10.0  | 10.0  | 10.0  | 12.0  | 9.0   | 16.0  | 28.0  | 32.0  | 19.0  | 16.0  | 15.0  | 13.0 | 8.0  | 5.0  | 7.0  | 8.0   | 12.0  | 28.0  | 35.0  | 37.0  | 36.0  | 35.0  | 34.0  | 35.0  | 24   | 37.0    |  |
| 21   | 33.0  | 35.0  | 34.0  | 34.0  | 32.0  | 33.0  | 35.0  | 32.0  | 25.0  | 17.0  | 20.0  | 14.0 | 14.0 | 25.0 | 29.0 | 31.0  | 33.0  | 37.0  | 36.0  | 37.0  | 35.0  | 31.0  | 31.0  | 29.0  | 24   | 37.0    |  |
| 22   | 28.0  | 22.0  | 16.0  | 14.0  | 13.0  | 15.0  | 18.0  | 22.0  | 21.0  | 19.0  | 18.0  | 23.0 | 22.0 | 21.0 | 13.0 | 14.0  | 11.0  | 12.0  | 11.0  | 13.0  | 12.0  | 8.0   | 7.0   | 6.0   | 24   | 28.0    |  |
| 23   | 8.0   | 8.0   | 9.0   | 10.0  | 11.0  | 10.0  | 11.0  | 13.0  | 11.0  | 7.0   | 8.0   | 5.0  | 5.0  | 4.0  | 4.0  | 4.0   | 6.0   | 8.0   | 10.0  | 8.0   | 9.0   | 7.0   | 5.0   | 7.0   | 24   | 13.0    |  |
| 24   | 6.0   | 14.0  | 30.0  | 25.0  | 18.0  | 21.0  | 26.0  | 28.0  | 31.0  | 21.0  | 8.0   | 7.0  | 6.0  | 8.0  | 10.0 | 11.0  | 14.0  | 21.0  | 35.0  | 39.0  | 38.0  | 37.0  | 35.0  | 33.0  | 24   | 39.0    |  |
| 25   | 34.0  | 32.0  | 32.0  | 31.0  | 27.0  | 18.0  | 21.0  | 16.0  | 12.0  | 10.0  | 11.0  | 13.0 | 12.0 | 15.0 | 17.0 | 15.0  | 13.0  | 13.0  | 14.0  | 19.0  | 24.0  | 17.0  | 18.0  | 11.0  | 24   | 34.0    |  |
| 26   | 10.0  | 8.0   | 7.0   | 5.0   | 4.0   | 4.0   | 4.0   | 5.0   | 4.0   | 4.0   | 4.0   | 4.0  | 6.0  | 4.0  | 4.0  | 5.0   | 6.0   | 7.0   | 8.0   | 9.0   | 7.0   | 7.0   | 9.0   | 11.0  | 24   | 11.0    |  |
| 27   | 9.0   | 4.0   | 5.0   | 6.0   | 6.0   | 8.0   | 8.0   | 11.0  | 12.0  | 10.0  | 7.0   | 5.0  | 5.0  | 4.0  | 4.0  | 5.0   | 8.0   | 14.0  | 13.0  | 7.0   | 8.0   | 9.0   | 5.0   | 8.0   | 24   | 14.0    |  |
| 28   | 13.0  | 14.0  | 21.0  | 22.0  | 31.0  | 34.0  | 36.0  | 33.0  | 31.0  | 29.0  | 25.0  | 7.0  | 9.0  | 5.0  | 4.0  | 5.0   | 8.0   | 15.0  | 33.0  | 36.0  | 40.0  | 38.0  | 38.0  | 40.0  | 24   | 40.0    |  |
| 29   | 37.0  | 34.0  | 35.0  | 38.0  | 40.0  | 35.0  | 28.0  | 26.0  | 24.0  | 17.0  | 12.0  | 9.0  | 7.0  | 7.0  | 8.0  | 10.0  | 15.0  | 33.0  | 43.0  | 42.0  | 39.0  | 38.0  | 39.0  | 39.0  | 24   | 43.0    |  |
| 30   | 40.0  | 34.0  | 34.0  | 34.0  | 33.0  | 32.0  | 33.0  | 32.0  | 34.0  | 34.0  | BF    | BF   | BF   | BF   | 18.0 | 18.0  | 19.0  | 29.0  | 29.0  | 22.0  | 29.0  | 23.0  | 26.0  | 22.0  | 20   | 40.0    |  |
| 31   | 26.0  | 29.0  | 29.0  | 30.0  | 28.0  | 27.0  | 25.0  | 26.0  | 30.0  | 28.0  | 32.0  | 32.0 | 29.0 | 24.0 | 20.0 | 16.0  | 17.0  | 25.0  | 38.0  | 42.0  | 40.0  | 39.0  | 38.0  | 38.0  | 24   | 42.0    |  |
| NO.: | 31    | 31    | 31    | 31    | 31    | 31    | 31    | 31    | 30    | 30    | 28    | 27   | 28   | 29   | 31   | 31    | 31    | 31    | 31    | 31    | 31    | 31    | 31    | 31    | 31   |         |  |
| MAX: | 40.0  | 35.0  | 35.0  | 38.0  | 40.0  | 35.0  | 36.0  | 40.0  | 39.0  | 34.0  | 32.0  | 32.0 | 29.0 | 25.0 | 29.0 | 31.0  | 33.0  | 37.0  | 43.0  | 42.0  | 40.0  | 39.0  | 39.0  | 40.0  |      |         |  |
| AVG: | 19.06 | 17.81 | 18.48 | 18.90 | 19.23 | 18.68 | 20.65 | 22.48 | 20.23 | 14.60 | 11.07 | 9.52 | 9.00 | 8.86 | 9.48 | 10.26 | 12.19 | 17.71 | 21.61 | 21.45 | 20.71 | 20.39 | 20.52 | 20.55 |      |         |  |

MONTHLY OBSERVATIONS: 730 MONTHLY MEAN: 16.93 MONTHLY MAX: 43.0

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

QUALIFIER CODES:

| Qualifier Code | Qualifier Description       | Qualifier Type |
|----------------|-----------------------------|----------------|
| AL             | Voided by Operator          | NULL           |
| AM             | Miscellaneous Void          | NULL           |
| AN             | Machine Malfunction         | NULL           |
| AV             | Power Failure               | NULL           |
| AZ             | Q C Audit                   | NULL           |
| BA             | Maintenance/Routine Repairs | NULL           |
| BC             | Multi-point Calibration     | NULL           |
| BD             | Auto Calibration            | NULL           |
| BF             | Precision/Zero/Span         | NULL           |

Note: Qualifier codes with regional concurrence are shown in upper case,  
and those without regional concurrence are shown in lower case.