

User ID: XJBAPAT

RAW DATA REPORT

Report Request ID: 1395304

Report Code: AMP350

Dec. 15, 2015

GEOGRAPHIC SELECTIONS

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

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
CRITERIA	42401		

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
2012 01 01	2012 12 31

APPLICABLE STANDARDS

Standard Description
SO2 1-hour 2010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-013-0151 POC: 1  
 COUNTY: (013) Beaufort  
 CITY: (03840) Bath  
 SITE ADDRESS: 229 NC Hwy 306N  
 SITE COMMENTS: PRIVATE INDUSTRY SITE NORTH SIDE-TEXAS GULF  
 MONITOR COMMENTS: 20

STATE: (37) North Carolina  
 AQCR: (168) NORTHERN COASTAL PLAIN  
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.428000009  
 LONGITUDE: -76.74  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 0  
 PROBE HEIGHT: 184

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SPM  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JANUARY 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	1.0	3.0	2.0	2.0	11.0	3.0	23	11.0
2	BD	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0
3	BD	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	23	2.0
4	BD	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	4.0	4.0	8.0	3.0	4.0	11.0	8.0	4.0	4.0	3.0	23	11.0
5	BD	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	23	4.0
6	BD	2.0	2.0	3.0	3.0	2.0	3.0	2.0	2.0	3.0	3.0	8.0	8.0	6.0	3.0	5.0	3.0	2.0	2.0	8.0	15.0	5.0	3.0	4.0	23	15.0
7	BD	3.0	3.0	4.0	3.0	3.0	3.0	3.0	3.0	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	5.0	3.0	23	5.0
8	BD	3.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	23	3.0
9	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
10	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
11	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	BF	BF	BA	BA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	19	1.0
12	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0
13	BD	20.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	20.0
14	BD	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	23	2.0
15	BD	2.0	2.0	3.0	2.0	1.0	1.0	1.0	1.0	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	23	3.0
16	BD	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	23	2.0
17	BD	2.0	2.0	2.0	2.0	3.0	2.0	4.0	11.0	5.0	3.0	2.0	2.0	2.0	2.0	2.0	4.0	2.0	2.0	3.0	11.0	18.0	6.0	10.0	23	18.0
18	BD	2.0	3.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	3.0
19	BD	1.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0	3.0	3.0	2.0	7.0	4.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	23	7.0
20	BD	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	23	4.0
21	BD	1.0	1.0	1.0	1.0	1.0	2.0	4.0	2.0	2.0	5.0	5.0	7.0	5.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	7.0
22	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
23	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
24	BD	1.0	15.0	6.0	7.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	15.0
25	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	BF	BF	BA	BA	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	19	2.0
26	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
27	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	13.0	2.0	1.0	2.0	5.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	13.0
28	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	5.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	6.0
29	BD	1.0	1.0	1.0	1.0	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	1.0	2.0	2.0	2.0	1.0	23	3.0
30	BD	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	23	2.0
31	BD	2.0	6.0	8.0	4.0	3.0	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	2.0	6.0	3.0	4.0	23	8.0
NO.:		31	31	31	31	31	31	31	31	29	29	29	29	31	31	31	31	31	31	31	31	31	31	31		
MAX:		20.0	15.0	8.0	7.0	3.0	3.0	4.0	11.0	13.0	5.0	8.0	8.0	6.0	7.0	5.0	8.0	3.0	4.0	11.0	15.0	18.0	11.0	10.0		
AVG:		2.16	2.16	1.90	1.65	1.48	1.58	1.68	1.90	2.24	2.00	2.38	2.34	2.10	1.90	1.81	1.84	1.55	1.55	2.03	2.35	2.26	2.06	1.90		

MONTHLY OBSERVATIONS: 705 MONTHLY MEAN: 1.95 MONTHLY MAX: 20.0

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

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 ELEVATION-MSL: 0  
 PROBE HEIGHT: 184

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 MONITOR TYPE: SPM  
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 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: FEBRUARY 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM		
1	BD	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	2.0	2.0	2.0	2.0	2.0	2.0	6.0	2.0	9.0	28.0	23	28.0		
2	BD	10.0	10.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	10.0		
3	BD	2.0	2.0	2.0	2.0	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	2.0	2.0	2.0	1.0	1.0	1.0	23	3.0		
4	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0	4.0	2.0	2.0	23	9.0		
5	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0		
6	BD	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	2.0	1.0	1.0	1.0	23	2.0		
7	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	4.0	4.0	3.0	3.0	3.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0	23	4.0		
8	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	BF	BF	BF	BA	2.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	1.0	1.0	19	2.0		
9	BD	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	23	2.0		
10	BD	2.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	23	2.0		
11	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	23	2.0		
12	BD	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	23	2.0		
13	BD	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	5.0	5.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	7.0	23	7.0		
14	BD	5.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	2.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	5.0	6.0	3.0	3.0	23	6.0		
15	BD	4.0	4.0	4.0	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	2.0	2.0	2.0	2.0	2.0	2.0	2.0	23	4.0		
16	BD	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0		
17	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0		
18	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0		
19	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0		
20	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	23	2.0		
21	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	BF	BF	BF	7.0	4.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	3.0	2.0	20	7.0		
22	BD	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	BA	BA	BA	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	6.0	20	6.0		
23	BD	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0		
24	BD	3.0	19.0	28.0	23.0	5.0	2.0	2.0	3.0	BA	BC	BC	BC	1.0	.0	8.0	10.0	9.0	16.0	8.0	1.0	1.0	.0	.0	18	28.0		
25	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	23	1.0		
26	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0		
27	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	23	1.0		
28	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	23	1.0		
29	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.0	2.0	5.0	4.0	9.0	1.0	1.0	.0	.0	.0	2.0	2.0	3.0	23	9.0		
30																										0		
31																											0	
NO.:		29	29	29	29	29	29	29	29	27	25	25	25	28	29	29	29	29	29	29	29	29	29	29	29			
MAX:		10.0	19.0	28.0	23.0	5.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	7.0	5.0	9.0	8.0	10.0	9.0	16.0	9.0	6.0	9.0	28.0				
AVG:		1.83	2.28	2.31	2.10	1.38	1.24	1.21	1.52	1.67	1.80	1.88	1.84	2.18	1.93	1.90	1.86	1.93	1.59	1.79	1.97	1.45	1.55	2.52				

MONTHLY OBSERVATIONS: 652 MONTHLY MEAN: 1.81 MONTHLY MAX: 28.0

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 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

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 MONITOR COMMENTS: 20

STATE: (37) North Carolina  
 AQCR: (168) NORTHERN COASTAL PLAIN  
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.428000009  
 LONGITUDE: -76.74  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 0  
 PROBE HEIGHT: 184

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

MONITOR TYPE: SFM

COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT

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

REPORT FOR: MARCH 2012

DURATION: 1 HOUR

UNITS: Parts per billion

MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	BD	7.0	7.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	7.0
2	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	23	1.0
3	BD	.0	2.0	17.0	16.0	5.0	9.0	1.0	1.0	.0	.0	.0	.0	8.0	3.0	1.0	1.0	1.0	4.0	1.0	.0	.0	.0	.0	23	17.0
4	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	23	1.0
5	BD	.0	.0	.0	7.0	2.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	1.0	23	7.0
6	BD	1.0	.0	.0	.0	.0	.0	.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	23	2.0
7	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
8	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	BF	BF	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	21	1.0
9	BD	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
10	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	23	1.0
11	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
12	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	1.0	1.0	.0	1.0	.0	23	1.0
13	BD	.0	.0	.0	1.0	1.0	1.0	1.0	.0	7.0	3.0	8.0	3.0	4.0	2.0	3.0	2.0	1.0	1.0	1.0	3.0	1.0	1.0	1.0	23	8.0
14	BD	1.0	1.0	1.0	1.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
15	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.0	1.0	1.0	.0	.0	1.0	.0	.0	.0	1.0	1.0	.0	.0	23	2.0
16	BD	3.0	1.0	1.0	.0	1.0	.0	.0	1.0	3.0	1.0	1.0	5.0	4.0	1.0	3.0	2.0	.0	.0	.0	.0	.0	.0	1.0	23	5.0
17	BD	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
18	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
19	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	23	1.0
20	BD	.0	.0	.0	.0	1.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
21	BD	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	23	2.0
22	BD	.0	.0	.0	.0	.0	.0	.0	.0	BF	BF	BA	BA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	19	2.0
23	BD	7.0	2.0	1.0	3.0	1.0	1.0	.0	.0	1.0	1.0	1.0	2.0	3.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	23	7.0
24	BD	4.0	2.0	3.0	2.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	4.0
25	BD	.0	.0	.0	.0	.0	.0	.0	.0	2.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	2.0
26	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
27	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	23	1.0
28	BD	.0	.0	.0	.0	1.0	7.0	11.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0	11.0	2.0	1.0	1.0	1.0	23	11.0
29	BD	1.0	1.0	1.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	.0	.0	.0	.0	.0	23	1.0
30	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	23	1.0
31	BD	1.0	1.0	16.0	8.0	2.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	16.0
NO.:		31	31	31	31	31	31	31	31	30	29	29	30	31	31	31	31	31	31	31	31	31	31	31		
MAX:		7.0	7.0	17.0	16.0	5.0	9.0	11.0	2.0	7.0	3.0	8.0	5.0	8.0	3.0	3.0	2.0	1.0	4.0	7.0	11.0	3.0	1.0	2.0		
AVG:		.84	.58	1.35	1.29	.52	.74	.55	.42	.93	.72	.83	.70	1.06	.55	.52	.45	.26	.35	.42	.52	.29	.16	.39		

MONTHLY OBSERVATIONS: 707 MONTHLY MEAN: .63 MONTHLY MAX: 17.0

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

(42401) Sulfur dioxide

SITE ID: 37-013-0151 POC: 1  
 COUNTY: (013) Beaufort  
 CITY: (03840) Bath  
 SITE ADDRESS: 229 NC Hwy 306N  
 SITE COMMENTS: PRIVATE INDUSTRY SITE NORTH SIDE-TEXAS GULF  
 MONITOR COMMENTS: 20

STATE: (37) North Carolina  
 AQCR: (168) NORTHERN COASTAL PLAIN  
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.428000009  
 LONGITUDE: -76.74  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 0  
 PROBE HEIGHT: 184

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

MONITOR TYPE: SFM

COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT

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

REPORT FOR: APRIL 2012

DURATION: 1 HOUR

UNITS: Parts per billion

MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	23	5.0
2	BD	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	2.0
3	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	BF	BF	BA	1.0	1.0	7.0	2.0	1.0	1.0	1.0	6.0	3.0	1.0	1.0	1.0	20	7.0
4	BD	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	3.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	3.0
5	BD	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
6	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	23	1.0
7	BD	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
8	BD	1.0	14.0	15.0	3.0	2.0	2.0	2.0	3.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	4.0	2.0	23	15.0
9	BD	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	5.0	23	5.0	
10	BD	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	8.0	6.0	3.0	2.0	23	8.0	
11	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
12	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
13	BD	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	3.0
14	BD	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	6.0	2.0	1.0	2.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	12.0	14.0	2.0	23	14.0	
15	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	11.0	23	11.0	
16	BD	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	1.0	1.0	1.0	1.0	1.0	2.0	11.0	1.0	23	11.0	
17	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	BF	BF	BA	BA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	19	1.0
18	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	23	1.0
19	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
20	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
21	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.0	23	2.0	
22	BD	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
23	BD	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	1.0	1.0	2.0	23	2.0	
24	BD	3.0	1.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	3.0
25	BD	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0
26	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	4.0
27	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	1.0	.0	1.0	.0	23	1.0	
28	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
29	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	.0	23	1.0	
30	BD	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	.0	.0	23	1.0	
31																										0	
NO.:	30	30	30	30	30	30	30	30	30	29	28	28	28	30	30	30	30	30	30	30	30	30	30	30	30		
MAX:	3.0	14.0	15.0	3.0	2.0	2.0	2.0	2.0	3.0	6.0	4.0	3.0	2.0	1.0	2.0	7.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	8.0	12.0	14.0	11.0
AVG:	.87	1.27	1.17	.77	.73	.70	.80	.93	1.14	1.04	.82	.86	.73	.77	1.03	.77	.73	.63	.63	1.03	1.27	1.70	1.40				

MONTHLY OBSERVATIONS: 683 MONTHLY MEAN: .95 MONTHLY MAX: 15.0

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

(42401) Sulfur dioxide

SITE ID: 37-013-0151 POC: 1  
 COUNTY: (013) Beaufort  
 CITY: (03840) Bath  
 SITE ADDRESS: 229 NC Hwy 306N  
 SITE COMMENTS: PRIVATE INDUSTRY SITE NORTH SIDE-TEXAS GULF  
 MONITOR COMMENTS: 20

STATE: (37) North Carolina  
 AQCR: (168) NORTHERN COASTAL PLAIN  
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.428000009  
 LONGITUDE: -76.74  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 0  
 PROBE HEIGHT: 184

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SPM  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: MAY 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	BD	1.0	1.0	.0	1.0	.0	1.0	1.0	3.0	3.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	.0	.0	1.0	1.0	1.0	4.0	23	4.0	
2	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	AZ	AZ	AZ	AZ	AZ	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	18	2.0	
3	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	BF	BF	BA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	20	2.0		
4	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	3.0	2.0	1.0	23	3.0	
5	BD	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	23	2.0	
6	BD	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	23	1.0	
7	BD	.0	.0	.0	.0	1.0	.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	.0	1.0	.0	1.0	1.0	1.0	1.0	.0	23	1.0	
8	BD	1.0	1.0	1.0	1.0	1.0	.0	1.0	.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	23	1.0
9	BD	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	.0	1.0	1.0	1.0	1.0	.0	.0	23	4.0	
10	BD	.0	.0	.0	.0	.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	1.0	1.0	1.0	23	1.0	
11	BD	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0	
12	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	8.0	4.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	8.0	
13	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0	
14	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0	
15	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	.0	23	1.0	
16	BD	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	2.0	23	2.0	
17	BD	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	BF	BF	BA	1.0	1.0	1.0	1.0	.0	.0	.0	.0	1.0	.0	.0	20	1.0	
18	BD	1.0	1.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0	
19	BD	1.0	.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	23	1.0	
20	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	.0	.0	1.0	23	1.0	
21	BD	1.0	.0	1.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	.0	1.0	.0	.0	1.0	.0	.0	23	1.0	
22	BD	1.0	.0	.0	2.0	2.0	5.0	2.0	3.0	4.0	2.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	5.0	
23	BD	1.0	1.0	1.0	5.0	1.0	2.0	4.0	2.0	1.0	1.0	3.0	5.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	5.0	
24	BD	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
25	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
26	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	23	1.0	
27	BD	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	23	1.0	
28	BD	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	23	1.0	
29	BD	.0	.0	1.0	2.0	2.0	2.0	2.0	4.0	3.0	10.0	1.0	2.0	1.0	1.0	2.0	1.0	1.0	.0	.0	.0	.0	.0	.0	23	10.0	
30	BD	.0	.0	.0	.0	.0	.0	.0	.0	BF	BF	BA	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	1.0	.0	20	1.0	
31	BD	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.0	2.0	1.0	6.0	23	6.0	
NO.:		31	31	31	31	31	31	31	30	29	28	27	28	30	31	31	31	31	31	31	31	31	31	31	31		
MAX:		1.0	4.0	1.0	5.0	2.0	5.0	4.0	8.0	4.0	10.0	3.0	5.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	5.0	3.0	2.0	6.0			
AVG:		.81	.68	.58	.77	.74	.87	.90	1.23	1.34	1.25	.85	.96	.83	.84	.81	.77	.61	.77	.61	.68	.71	.58	.84			

MONTHLY OBSERVATIONS: 699 MONTHLY MEAN: .82 MONTHLY MAX: 10.0

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

(42401) Sulfur dioxide

SITE ID: 37-013-0151 POC: 1  
 COUNTY: (013) Beaufort  
 CITY: (03840) Bath  
 SITE ADDRESS: 229 NC Hwy 306N  
 SITE COMMENTS: PRIVATE INDUSTRY SITE NORTH SIDE-TEXAS GULF  
 MONITOR COMMENTS: 20

STATE: (37) North Carolina  
 AQCR: (168) NORTHERN COASTAL PLAIN  
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.428000009  
 LONGITUDE: -76.74  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 0  
 PROBE HEIGHT: 184

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SPM  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JUNE 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	BD	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0
2	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
3	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
4	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
5	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
6	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
7	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	8.0	23	8.0	
8	BD	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	11.0	11.0	23	11.0	
9	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	5.0	2.0	3.0	23	5.0	
10	BD	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	19.0	3.0	23	19.0	
11	BD	22.0	8.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	23	22.0	
12	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	23	2.0	
13	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
14	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	BF	BF	BA	BA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	19	1.0
15	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
16	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
17	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
18	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0
19	BD	1.0	1.0	4.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	9.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	5.0	23	9.0	
20	BD	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	6.0	23	6.0	
21	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	3.0	23	3.0	
22	BD	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	2.0	2.0	1.0	1.0	1.0	23	2.0
23	BD	5.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	9.0	20.0	2.0	1.0	23	20.0	
24	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	3.0
25	BD	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	2.0	8.0	10.0	8.0	1.0	1.0	1.0	23	10.0	
26	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	BF	BF	BA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	20	1.0
27	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
28	BD	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	2.0	1.0	12.0	16.0	23	16.0
29	BD	4.0	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	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	23	4.0	
30	BD	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0
31																										0
NO.:		30	30	30	30	30	30	30	30	28	28	28	29	30	30	30	30	30	30	30	30	30	30	30		
MAX:		22.0	8.0	4.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	9.0	6.0	2.0	2.0	3.0	2.0	8.0	10.0	9.0	20.0	19.0	16.0		
AVG:		2.17	1.37	1.17	1.07	1.07	1.07	1.03	1.10	1.14	1.14	1.21	1.34	1.23	1.13	1.03	1.17	1.13	1.23	1.43	1.60	1.87	2.70	2.17		

MONTHLY OBSERVATIONS: 683 MONTHLY MEAN: 1.37 MONTHLY MAX: 22.0

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-013-0151 POC: 1  
 COUNTY: (013) Beaufort  
 CITY: (03840) Bath  
 SITE ADDRESS: 229 NC Hwy 306N  
 SITE COMMENTS: PRIVATE INDUSTRY SITE NORTH SIDE-TEXAS GULF  
 MONITOR COMMENTS: 20

STATE: (37) North Carolina  
 AQCR: (168) NORTHERN COASTAL PLAIN  
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.428000009  
 LONGITUDE: -76.74  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 0  
 PROBE HEIGHT: 184

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

MONITOR TYPE: SFM

COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT

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

REPORT FOR: JULY 2012

DURATION: 1 HOUR

UNITS: Parts per billion

MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	BD	3.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	3.0	2.0	2.0	1.0	1.0	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	14	3.0
2	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	0	
3	AV	AV	AV	AV	AV	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0	9.0	19	9.0	
4	BD	4.0	3.0	2.0	3.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	5.0	3.0	23	5.0	
5	BD	3.0	3.0	3.0	2.0	2.0	2.0	2.0	BA	BC	BC	BC	BC	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	18	3.0	
6	BD	3.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	23	3.0	
7	BD	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	1.0	23	2.0	
8	BD	4.0	2.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	23	4.0	
9	BD	3.0	2.0	3.0	11.0	5.0	2.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	11.0	
10	BD	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
11	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
12	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
13	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
14	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
15	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.0	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	6.0	23	6.0	
16	BD	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	10.0	5.0	12.0	17.0	9.0	23	17.0	
17	BD	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	8.0	14.0	23	14.0	
18	BD	2.0	1.0	1.0	.0	13.0	7.0	1.0	5.0	1.0	BF	BF	BA	.0	2.0	1.0	.0	.0	.0	.0	.0	.0	12.0	16.0	20	16.0	
19	BD	2.0	1.0	.0	1.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	6.0	11.0	23	11.0	
20	BD	2.0	10.0	5.0	2.0	6.0	2.0	2.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.0	.0	23	10.0	
21	BD	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	1.0	.0	.0	.0	.0	23	4.0	
22	BD	.0	11.0	25.0	5.0	1.0	1.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0	.0	5.0	1.0	.0	.0	23	25.0	
23	BD	3.0	1.0	1.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	3.0	
24	BD	3.0	1.0	1.0	1.0	1.0	1.0	.0	.0	1.0	.0	.0	.0	.0	1.0	AV	.0	.0	.0	3.0	1.0	.0	.0	.0	22	3.0	
25	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
26	BD	.0	.0	.0	.0	.0	.0	1.0	3.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	23	3.0	
27	BD	4.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	4.0	
28	BD	2.0	.0	3.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	8.0	1.0	.0	.0	23	10.0	
29	BD	4.0	9.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	1.0	.0	.0	.0	.0	1.0	.0	.0	23	9.0	
30	BD	.0	.0	3.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	9.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	23	9.0	
31	BD	.0	.0	.0	.0	.0	.0	.0	.0	BF	BF	BF	BA	BA	.0	.0	.0	.0	.0	.0	.0	1.0	8.0	6.0	18	8.0	
NO.:	29	29	29	29	30	30	30	29	28	27	27	27	29	30	28	29	29	29	29	29	29	29	29	29	29		
MAX:	4.0	11.0	25.0	11.0	13.0	7.0	2.0	5.0	3.0	3.0	2.0	2.0	2.0	9.0	1.0	1.0	1.0	3.0	4.0	10.0	8.0	12.0	17.0	16.0			
AVG:	1.62	1.62	1.83	1.14	1.17	.67	.43	.52	.46	.37	.22	.33	.21	.50	.14	.10	.17	.24	.97	.79	.79	2.31	2.83				

MONTHLY OBSERVATIONS: 663 MONTHLY MEAN: .85 MONTHLY MAX: 25.0

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-013-0151 POC: 1  
 COUNTY: (013) Beaufort  
 CITY: (03840) Bath  
 SITE ADDRESS: 229 NC Hwy 306N  
 SITE COMMENTS: PRIVATE INDUSTRY SITE NORTH SIDE-TEXAS GULF  
 MONITOR COMMENTS: 20

STATE: (37) North Carolina  
 AQCR: (168) NORTHERN COASTAL PLAIN  
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.428000009  
 LONGITUDE: -76.74  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 0  
 PROBE HEIGHT: 184

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

MONITOR TYPE: SPM

REPORT FOR: AUGUST 2012

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT

UNITS: Parts per billion

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

MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	BD	2.0	2.0	1.0	.0	.0	2.0	9.0	1.0	6.0	1.0	.0	2.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	23	9.0
2	BD	7.0	3.0	1.0	1.0	2.0	4.0	4.0	7.0	9.0	2.0	.0	.0	.0	.0	.0	2.0	2.0	1.0	.0	.0	.0	.0	.0	4.0	23	9.0
3	BD	1.0	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.0	2.0	.0	.0	.0	.0	.0	23	4.0
4	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
5	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
6	BD	20.0	26.0	6.0	1.0	6.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	26.0
7	BD	11.0	3.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.0	.0	.0	.0	.0	.0	.0	23	11.0
8	BD	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.0	1.0	.0	.0	23	3.0
9	BD	.0	1.0	.0	3.0	1.0	1.0	.0	.0	2.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	3.0
10	BD	5.0	.0	.0	.0	.0	2.0	5.0	1.0	1.0	1.0	2.0	2.0	4.0	1.0	4.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	23	5.0
11	BD	13.0	6.0	.0	.0	.0	1.0	2.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	13.0
12	BD	.0	1.0	.0	.0	.0	.0	.0	2.0	1.0	1.0	2.0	.0	.0	1.0	.0	.0	.0	.0	1.0	.0	3.0	4.0	1.0	1.0	23	4.0
13	BD	1.0	.0	.0	.0	.0	.0	.0	.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.0	.0	.0	.0	.0	23	4.0
14	BD	8.0	1.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.0	23	8.0	
15	BD	11.0	6.0	7.0	5.0	4.0	3.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	13.0	3.0	1.0	1.0	23	13.0	
16	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	BF	BF	BA	BA	.0	.0	.0	.0	.0	.0	.0	3.0	2.0	1.0	1.0	19	3.0
17	BD	.0	.0	1.0	1.0	.0	.0	.0	1.0	16.0	10.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	16.0
18	BD	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
19	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
20	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
21	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
22	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
23	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
24	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
25	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
26	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
27	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
28	BD	1.0	.0	.0	3.0	2.0	1.0	1.0	1.0	BF	BF	BA	BA	BA	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	18	3.0
29	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
30	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	23	1.0
31	BD	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	7.0	2.0	23	7.0	
NO.:		31	31	31	31	31	31	31	31	30	29	29	29	29	31	31	31	31	31	31	31	31	31	31	31		
MAX:		20.0	26.0	7.0	5.0	6.0	4.0	9.0	7.0	16.0	10.0	2.0	2.0	4.0	1.0	4.0	2.0	2.0	4.0	6.0	13.0	5.0	7.0	6.0			
AVG:		2.65	1.61	.55	.48	.55	.48	.74	.48	1.33	.72	.21	.21	.21	.10	.19	.13	.16	.26	.32	.61	.58	.52	.65			

MONTHLY OBSERVATIONS: 704 MONTHLY MEAN: .60 MONTHLY MAX: 26.0

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-013-0151 POC: 1  
 COUNTY: (013) Beaufort  
 CITY: (03840) Bath  
 SITE ADDRESS: 229 NC Hwy 306N  
 SITE COMMENTS: PRIVATE INDUSTRY SITE NORTH SIDE-TEXAS GULF  
 MONITOR COMMENTS: 20

STATE: (37) North Carolina  
 AQCR: (168) NORTHERN COASTAL PLAIN  
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.428000009  
 LONGITUDE: -76.74  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 0  
 PROBE HEIGHT: 184

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SPM  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: SEPTEMBER 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM			
1	BD	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0		
2	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
3	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
4	BD	.0	2.0	4.0	4.0	1.0	3.0	6.0	2.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	23	6.0		
5	BD	1.0	.0	.0	4.0	5.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	5.0	4.0	15.0	23	15.0		
6	BD	1.0	3.0	7.0	1.0	1.0	2.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	1.0	23	7.0		
7	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
8	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	23	1.0	
9	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
10	BD	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
11	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
12	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	BF	BF	BA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	0.0	
13	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
14	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
15	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
16	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
17	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
18	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
19	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
20	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
21	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
22	BD	.0	2.0	5.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	2.0	2.0	23	5.0		
23	BD	1.0	1.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
24	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
25	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	AV	22	1.0	
26	BD	.0	.0	.0	.0	.0	.0	.0	BA	BA	BA	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	1.0	
27	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
28	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	BF	BF	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.0	.0	21	3.0		
29	BD	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
30	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
31																													0
NO.:	30	30	30	30	30	30	30	30	29	29	27	28	29	30	30	30	30	30	30	30	30	30	30	30	29				
MAX:	1.0	3.0	7.0	4.0	5.0	3.0	6.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	5.0	4.0	15.0				
AVG:	.17	.30	.57	.33	.27	.27	.23	.14	.14	.22	.25	.21	.10	.10	.10	.17	0.00	0.00	0.00	0.00	0.00	0.00	.17	.40	.83				

MONTHLY OBSERVATIONS: 681 MONTHLY MEAN: .21 MONTHLY MAX: 15.0

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

(42401) Sulfur dioxide

SITE ID: 37-013-0151 POC: 1  
 COUNTY: (013) Beaufort  
 CITY: (03840) Bath  
 SITE ADDRESS: 229 NC Hwy 306N  
 SITE COMMENTS: PRIVATE INDUSTRY SITE NORTH SIDE-TEXAS GULF  
 MONITOR COMMENTS: 20

STATE: (37) North Carolina  
 AQCR: (168) NORTHERN COASTAL PLAIN  
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.428000009  
 LONGITUDE: -76.74  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 0  
 PROBE HEIGHT: 184

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SPM  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: OCTOBER 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	BD	.1	.1	.1	.1	.1	.1	.1	BA	.1	.2	.1	.2	.1	.2	.1	.1	.1	.1	.1	.1	.1	.0	.1	22	.2	
2	BD	.2	.1	.1	.1	.1	.1	.1	.1	BA	BC	BC	BC	BC	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	.2
3	BD	.0	.0	.0	.0	.0	.0	.0	.0	.9	.1	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.8	2.0	23	2.0	
4	BD	.4	.1	.2	.2	.1	.1	.1	.1	.2	.2	.2	.2	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	23	.4
5	BD	.1	.1	.0	.0	.1	.0	.0	.1	.1	.3	.4	.3	.6	.5	.4	.4	.4	.4	.4	.4	.4	.2	.1	23	.6	
6	BD	.3	.3	1.0	1.2	1.3	.6	.4	.3	.4	.2	.3	.2	.2	.2	.1	.2	.1	.2	.3	.3	.6	2.7	2.6	23	2.7	
7	BD	1.0	.4	.2	.3	.2	.2	.2	.2	.4	.5	.2	.3	.4	.2	.2	.2	.1	.1	.1	.1	.0	.1	.0	23	1.0	
8	BD	.1	.1	.0	.1	.0	.0	.1	.1	.1	.1	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	.2
9	BD	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.0	.0	.0	.1	.0	.0	.0	.0	23	.1
10	BD	.1	.1	.1	.1	.1	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.2	.1	.1	.2	.1	.2	.1	.0	.0	23	.2
11	BD	.1	.1	.1	.1	.0	.0	.1	.3	.6	.7	.7	.6	.6	.5	.4	.5	.3	.2	.2	.1	.1	.1	.1	.1	23	.7
12	BD	.2	.1	.1	.0	.1	.1	.1	.1	.5	.5	.5	.5	.6	.6	.8	.6	.3	.2	.2	.1	.1	.2	.4	23	.8	
13	BD	.3	.2	.1	.1	.2	.2	.2	.3	.3	.2	.2	.3	.4	.3	.3	.3	.3	.2	.2	.2	.2	.2	.1	.1	23	.4
14	BD	.2	.1	.2	.1	.1	.1	.1	.1	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	23	.2
15	BD	.1	.1	.1	.1	.1	.1	.1	.4	.8	1.3	.6	.3	.2	.2	.3	.1	.2	.1	.2	.3	.1	.1	.1	.1	23	1.3
16	BD	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.3	.2	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	23	.3
17	BD	.2	.1	.1	.1	.1	.1	.1	.1	.1	.3	.5	.3	.3	.4	.3	.3	.3	.3	.3	.2	.1	.1	.2	.1	23	.5
18	BD	.2	.1	.1	.1	.1	.2	.1	.1	.2	.2	.3	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	23	.3
19	BD	.2	.1	.3	.2	.1	.1	.1	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	7	.3
20	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
21	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
22	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
23	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BA	BC	BC	BC	BC	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	0.0
24	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
25	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
26	BD	.0	.1	.3	.2	.1	.1	.1	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	7	.3
27	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	0	
28	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	0	
29	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	0	
30	SA	SA	SA	SA	SA	SA	SA	SA	SA	BA	BC	BC	BC	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	0.0
31	BD	.2	.1	.3	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	.3
NO.:	23	23	23	23	23	23	23	23	20	20	20	20	20	21	22	23	23	23	23	23	23	23	23	23	23		
MAX:	1.0	.4	1.0	1.2	1.3	.6	.4	.8	1.3	.7	.7	.6	.6	1.1	.8	.6	.4	.4	.4	.4	.4	.6	2.7	2.6			
AVG:	.18	.11	.16	.15	.13	.10	.11	.14	.29	.24	.22	.20	.21	.22	.16	.15	.11	.10	.11	.10	.10	.10	.21	.26			

MONTHLY OBSERVATIONS: 511 MONTHLY MEAN: .16 MONTHLY MAX: 2.7

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-013-0151 POC: 1  
 COUNTY: (013) Beaufort  
 CITY: (03840) Bath  
 SITE ADDRESS: 229 NC Hwy 306N  
 SITE COMMENTS: PRIVATE INDUSTRY SITE NORTH SIDE-TEXAS GULF  
 MONITOR COMMENTS: 20

STATE: (37) North Carolina  
 AQCR: (168) NORTHERN COASTAL PLAIN  
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.428000009  
 LONGITUDE: -76.74  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 0  
 PROBE HEIGHT: 184

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SPM  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: NOVEMBER 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	BD	.1	.0	.1	.1	.0	.0	.1	.1	.6	.7	.7	.6	.5	.4	.1	.1	.1	.1	.1	.1	.0	.1	.0	23	.7
2	BD	.1	.1	.1	.1	.0	.1	.1	.2	.4	.4	.6	.7	.7	.7	.8	.7	.4	.3	.1	.1	.1	.3	.1	23	.8
3	BD	.1	.1	.1	.1	.0	.1	.1	.3	.9	.9	.8	.6	.6	.7	.6	.4	.4	.2	.1	.2	.1	.1	.1	23	.9
4	BD	.2	.1	.1	.1	.0	.0	.1	.2	.4	.5	.3	.3	.2	.2	.2	.2	.2	.1	.1	.1	.2	.3	.2	23	.5
5	BD	.2	.2	.2	.2	.2	.3	.2	.7	.7	1.2	1.0	1.1	1.0	1.1	1.1	1.1	.7	.3	.2	.1	.2	.1	.2	23	1.2
6	BD	.2	.1	.1	.1	.1	.1	.3	.4	.4	.5	.5	.4	.3	.3	.2	.2	.1	.1	.1	.0	.1	.1	.1	23	.5
7	BD	.1	.1	.1	.0	.1	.1	.0	.1	.0	.0	.1	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1	.1	.1	23	.1
8	BD	.1	.1	.1	.1	.1	.1	.1	.3	.7	.9	.9	1.0	.9	.7	.7	.7	.7	.7	.6	.6	.7	.9	1.0	23	1.0
9	BD	.5	.3	.2	.2	.2	.2	.2	.9	1.9	2.1	1.6	1.4	1.2	1.2	1.2	1.1	1.1	.7	.4	.3	.2	.1	.2	23	2.1
10	BD	.2	.2	.2	.1	.2	.2	.2	.3	1.0	6.9	5.5	1.6	1.4	1.1	1.0	1.0	.9	.6	.3	.4	.4	.3	.2	23	6.9
11	BD	.3	.2	.2	.2	.2	.1	.2	.1	.3	.9	1.0	1.0	.9	.8	.9	.9	.5	.3	.3	.2	.2	.3	.1	23	1.0
12	BD	.2	.2	.1	.1	.1	.1	.1	.2	.2	.1	.2	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	23	.2
13	BD	.1	.1	.1	.1	.1	.1	.1	.2	.1	.2	.1	.1	.1	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	23	.2
14	BD	.3	.2	.4	.4	.4	.7	.7	.9	.7	.6	.6	.5	.9	1.5	1.6	.9	.6	.4	.4	.4	.4	.5	.4	23	1.6
15	BD	.5	.8	1.0	.9	.7	.7	.8	.9	1.0	1.0	.9	.6	.4	.3	.2	.2	.2	.3	.1	.1	.2	.1	.1	23	1.0
16	BD	.1	.1	.1	.1	.1	.1	.1	.2	.4	.6	BA	.5	.4	.5	.7	.7	.4	.2	.4	.6	.5	.4	.3	22	.7
17	BD	.4	.3	.4	.5	.7	.6	.6	.8	.9	1.0	.8	.7	.7	.6	.3	.4	.2	.3	.3	.3	.2	.2	.3	23	1.0
18	BD	.3	.3	.2	.2	.2	.2	.1	.2	.1	.2	.1	.1	.1	.1	.1	.1	.2	.2	.1	.1	.2	.1	.1	23	.3
19	BD	AM	AM	AM	AM	AM	AM	AM	AM	AM	AZ	AZ	AZ	AZ	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	0	
20	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BC	BC	BC	BC	BC	BC	BC	BC	.3	.1	.1	.0	-.1	.0	6	.3
21	BD	.1	.1	.0	.1	.3	.2	.4	.5	.7	.9	.9	.8	.5	.3	.4	.3	.1	.0	.1	.0	.1	.2	.2	23	.9
22	BD	.2	.2	.2	.2	.2	.1	.1	.2	.4	.6	.5	.4	.4	.4	.3	.3	.2	.2	.1	.0	.0	.0	.0	23	.6
23	BD	.1	.0	.0	.0	.0	.0	.0	.0	.1	.3	.3	.2	.2	.3	.3	.7	.6	.3	1.9	2.8	.8	.9	.8	23	2.8
24	BD	.8	.7	.6	.4	.3	.2	.2	.4	.5	.4	.4	.3	.3	.3	.3	.3	.3	.2	.3	.3	.2	.2	.3	23	.8
25	BD	.3	.1	.2	.2	.2	.2	.2	.3	.6	.6	.6	.5	.5	.5	.6	.6	.6	.5	.6	.6	5.9	1.1	2.8	23	5.9
26	BD	.9	.8	.7	.7	.7	.9	1.0	1.2	1.5	1.9	1.8	3.3	9.4	25.0	5.9	1.6	1.0	.8	.6	.5	.4	.4	.3	23	25.0
27	BD	.3	.3	.3	.3	.3	.3	.3	.5	.7	1.0	1.6	3.1	4.1	1.2	1.1	.7	.5	.5	.4	.5	.7	.5	.4	23	4.1
28	BD	.4	.2	.3	.4	.3	.3	.4	.5	.8	1.3	1.5	1.2	.9	.9	.9	1.0	.8	.6	.5	.4	.3	.3	.3	23	1.5
29	BD	.5	.3	.3	.3	.3	.3	.4	.4	.4	.7	3.4	10.4	3.6	2.6	1.9	1.4	1.4	1.0	.7	.5	.7	.7	.6	23	10.4
30	BD	.5	.4	.5	.4	.3	.4	.4	.4	.4	1.4	2.0	19.1	11.8	2.0	1.2	1.0	.7	.5	.6	.5	.9	.4	.4	23	19.1
31																									0	
NO.:		28	28	28	28	28	28	28	28	28	28	27	28	28	28	28	28	28	29	29	29	29	29	29		
MAX:		.9	.8	1.0	.9	.7	.9	1.0	1.2	1.9	6.9	5.5	19.1	11.8	25.0	5.9	1.6	1.4	1.0	1.9	2.8	5.9	1.1	2.8		
AVG:		.29	.24	.25	.24	.23	.24	.27	.41	.60	.99	1.07	1.82	1.51	1.58	.83	.60	.47	.34	.34	.35	.48	.31	.34		

MONTHLY OBSERVATIONS: 649 MONTHLY MEAN: .60 MONTHLY MAX: 25.0

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
AIR QUALITY SYSTEM  
RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-013-0151 POC: 1  
COUNTY: (013) Beaufort  
CITY: (03840) Bath  
SITE ADDRESS: 229 NC Hwy 306N  
SITE COMMENTS: PRIVATE INDUSTRY SITE NORTH SIDE-TEXAS GULF  
MONITOR COMMENTS: 20

STATE: (37) North Carolina  
AQCR: (168) NORTHERN COASTAL PLAIN  
URBANIZED AREA: (0000) NOT IN AN URBAN AREA  
LAND USE: INDUSTRIAL  
LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
LATITUDE: 35.428000009  
LONGITUDE: -76.74  
UTM ZONE:  
UTM NORTHING:  
UTM EASTING:  
ELEVATION-MSL: 0  
PROBE HEIGHT: 184

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

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT

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

REPORT FOR: DECEMBER 2012

DURATION: 1 HOUR

UNITS: Parts per billion

MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	BD	.3	.5	.4	.3	.4	.4	.4	.4	.4	3.8	12.1	7.6	6.0	4.2	1.7	1.4	1.3	1.0	.8	.7	.6	.5	.5	23	12.1
2	BD	.5	.4	.4	.5	.4	.4	.4	.5	.5	.9	1.0	1.0	.9	1.0	.7	.7	.5	.5	.5	.6	.7	.7	1.2	23	1.2
3	BD	.8	.8	.7	.7	.6	.5	.5	.5	.8	1.1	1.0	.9	.8	.8	.8	.7	.6	.5	.5	.7	2.5	1.8	1.3	23	2.5
4	BD	.9	.8	.6	.5	.6	.5	.5	.4	.5	1.1	1.7	1.7	2.2	1.8	1.6	1.0	.6	.7	.6	3.3	1.4	1.4	6.8	23	6.8
5	BD	1.3	.9	.8	.7	.6	.6	.6	.9	1.0	.9	.9	.8	.8	.7	.6	.8	.5	.4	.4	.4	.4	.3	.4	23	1.3
6	BD	.5	.4	.4	.5	.6	.5	.5	.6	.6	.8	.7	.9	.7	.6	.6	.6	.5	.5	.4	.4	.4	.3	.4	23	.9
7	BD	.4	.4	.4	.4	.4	.4	.5	.5	.6	.6	BF	BF	.5	.5	.4	.4	.4	.4	.3	.3	.3	.4	.3	21	.6
8	BD	.4	.4	.4	.5	.5	.3	.4	.4	.3	.3	.4	.5	.4	.5	.5	.4	.4	.4	.4	.4	.4	.4	.4	23	.5
9	BD	.4	.4	.4	.4	.4	.4	.4	.3	.5	1.6	2.7	2.1	2.1	2.9	1.5	1.1	.7	.6	.5	.6	.5	.6	.6	23	2.9
10	BD	.6	.5	.5	.5	.4	.4	.3	.4	.4	.6	.6	.6	.5	.4	.4	.4	.4	.5	.5	.4	.4	.6	.5	23	.6
11	BD	3.1	1.3	.9	1.1	1.0	.9	.7	.7	.8	1.1	.9	.7	.5	.5	.5	.5	.5	.5	.5	.6	.4	.5	.4	23	3.1
12	BD	.5	.5	.5	.4	.4	.5	.5	.5	.6	.5	.6	.4	.6	.5	.5	.6	.5	.5	.5	.5	.5	.5	.5	23	.6
13	BD	.6	.6	.6	.6	.5	.5	.5	.6	.7	.8	.8	.9	1.0	.9	.8	.7	.7	.6	.8	.9	1.0	1.0	.9	23	1.0
14	BD	.8	.7	.7	.7	.7	.7	.7	.7	.9	1.0	.9	.9	.9	.8	.8	.8	.8	.7	.7	.6	.7	.7	.6	23	1.0
15	BD	.7	.6	.6	.6	.6	.6	.6	.6	.6	.7	.9	1.0	1.0	.9	.8	.8	.8	.7	.7	.7	.7	.7	.7	23	1.0
16	BD	.7	.7	.8	.8	1.1	.9	.8	.8	.8	.7	.7	.8	.8	.7	.8	.7	.8	.8	.7	.8	.6	.6	.5	23	1.1
17	BD	.7	.6	.6	.8	.6	.7	.7	.7	.6	.6	.7	.7	.7	.7	.9	.7	.8	.7	.8	2.9	3.4	1.5	1.3	23	3.4
18	BD	1.1	1.1	1.1	1.0	.8	.8	.7	.7	.8	.8	.7	.8	.7	.7	.7	.7	.8	.8	.8	.9	.8	.8	1.0	23	1.1
19	BD	1.0	.8	.8	.8	.9	.7	.8	1.0	.9	1.1	1.1	1.2	1.3	1.3	1.3	1.1	1.1	1.0	.8	.8	.8	.7	.7	23	1.3
20	BD	.8	.8	.7	.8	.7	.6	.7	.8	1.0	BF	BA	1.1	1.0	1.0	.9	.9	.8	.8	.8	.8	.8	.7	.7	21	1.1
21	BD	.7	.7	.8	.7	.7	.8	.7	.8	.7	.8	.8	.8	.8	1.0	1.0	.9	1.0	1.0	1.0	1.0	1.1	1.0	1.0	23	1.1
22	BD	1.1	1.0	1.0	1.0	1.0	1.0	.9	1.0	1.1	1.3	1.4	1.3	1.2	1.2	1.5	1.4	1.3	1.2	1.1	1.0	1.1	1.2	1.1	23	1.5
23	BD	1.1	1.1	1.3	1.4	1.8	2.0	1.7	2.0	1.8	1.8	2.2	9.8	4.7	3.8	1.5	1.5	1.4	1.3	3.1	1.6	1.6	1.5	1.4	23	9.8
24	BD	1.6	1.6	1.7	1.6	1.6	2.2	1.9	2.4	3.3	2.7	2.6	3.5	3.6	3.0	3.0	2.0	1.4	1.3	1.3	1.4	2.8	1.8	1.6	23	3.6
25	BD	1.4	1.3	1.2	1.2	1.1	1.2	1.0	1.0	1.1	1.4	1.5	1.5	1.4	1.3	1.2	1.1	1.2	1.1	1.0	1.1	1.2	1.3	1.2	23	1.5
26	BD	1.4	1.4	1.5	1.4	1.4	1.3	1.1	1.1	1.1	1.0	1.1	.9	1.0	1.0	.9	.9	.8	2.3	1.8	1.5	1.2	1.0	1.0	23	2.3
27	BD	1.1	1.0	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.7	1.7	1.6	1.6	1.4	1.4	1.3	1.3	1.3	1.2	1.3	1.2	23	1.7
28	BD	1.2	1.1	1.1	1.0	1.1	1.0	1.1	1.2	1.3	1.5	1.8	1.8	1.7	1.6	1.7	1.5	1.2	1.2	1.2	1.2	1.2	1.2	1.3	23	1.8
29	BD	1.3	1.3	1.2	1.2	1.1	1.2	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.2	1.4	1.6	23	1.6
30	BD	1.7	1.6	1.9	2.5	2.6	3.0	3.3	3.2	2.9	2.8	2.7	2.6	2.4	2.5	2.3	2.4	2.2	2.2	2.2	2.0	2.1	2.1	1.8	23	3.3
31	BD	1.6	1.5	1.4	1.3	1.2	1.3	1.3	1.5	1.7	1.7	1.6	1.6	1.7	1.6	1.5	1.4	1.5	2.8	2.2	2.3	3.1	1.9	1.9	23	3.1
NO.:	31	31	31	31	31	31	31	31	31	31	30	29	30	31	31	31	31	31	31	31	31	31	31	31	31	
MAX:	3.1	1.6	1.9	2.5	2.6	3.0	3.3	3.2	3.3	3.8	12.1	9.8	6.0	4.2	3.0	2.4	2.2	2.8	3.1	3.3	3.4	2.1	6.8			
AVG:	.98	.86	.85	.87	.87	.89	.86	.93	1.00	1.22	1.61	1.71	1.44	1.33	1.10	.99	.90	.95	.95	1.06	1.13	.98	1.12			

MONTHLY OBSERVATIONS: 709 MONTHLY MEAN: 1.07 MONTHLY MAX: 12.1

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-051-1003 POC: 1  
 COUNTY: (051) Cumberland  
 CITY: (32640) Hope Mills  
 SITE ADDRESS: 3625 GOLFVIEW RD  
 SITE COMMENTS:  
 MONITOR COMMENTS: ABANDONED POPULATION EXPOSURE MONITORING OBJECTIVE ABOUT 2010

STATE: (37) North Carolina  
 AQCR: (169) SANDHILLS  
 URBANIZED AREA: (2560) FAYETTEVILLE, NC  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.968889  
 LONGITUDE: -78.9625  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 50.9  
 PROBE HEIGHT: 3.73

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JANUARY 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
2	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
3	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
4	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	1.0	1.0	23	1.0
5	BD	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	2.0
6	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	2.0	2.0	23	2.0
7	BD	2.0	2.0	2.0	2.0	2.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	2.0
8	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
9	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
10	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
11	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
12	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	BF	BF	BF	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	0.0
13	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
14	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
15	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
16	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	8.0	3.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	8.0
17	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	23	1.0
18	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	1.0	.0	1.0	1.0	23	1.0
19	BD	.0	1.0	2.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	2.0
20	BD	.0	.0	.0	.0	-1.0	.0	.0	.0	1.0	BF	BC	BC	BC	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	19	1.0
21	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
22	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
23	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
24	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
25	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
26	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
27	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
28	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
29	BD	.0	.0	.0	3.0	2.0	1.0	1.0	4.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	5.0
30	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
31	BD	.0	1.0	1.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	3.0	1.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	23	3.0
NO.:		31	31	31	31	31	31	31	31	31	30	29	29	29	31	31	31	31	31	31	31	31	31	31		
MAX:		2.0	2.0	2.0	3.0	2.0	1.0	2.0	4.0	5.0	1.0	8.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0		
AVG:		.13	.19	.23	.23	.16	.10	.13	.26	.45	.23	.52	.41	.17	.13	.06	.03	.06	.06	.03	.13	.06	.16	.16		

MONTHLY OBSERVATIONS: 706 MONTHLY MEAN: .18 MONTHLY MAX: 8.0

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

(42401) Sulfur dioxide

SITE ID: 37-051-1003 POC: 1  
 COUNTY: (051) Cumberland  
 CITY: (32640) Hope Mills  
 SITE ADDRESS: 3625 GOLFVIEW RD  
 SITE COMMENTS:  
 MONITOR COMMENTS: ABANDONED POPULATION EXPOSURE MONITORING OBJECTIVE ABOUT 2010

STATE: (37) North Carolina  
 AQCR: (169) SANDHILLS  
 URBANIZED AREA: (2560) FAYETTEVILLE, NC  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.968889  
 LONGITUDE: -78.9625  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 50.9  
 PROBE HEIGHT: 3.73

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: FEBRUARY 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM		
1	BD	1.0	1.0	1.0	.0	.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	2.0	
2	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
3	BD	.0	.0	.0	.0	.0	.0	BF	BF	BF	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	1.0
4	BD	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
5	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
6	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
7	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
8	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	23	2.0
9	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
10	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
11	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
12	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
13	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
14	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
15	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	3.0
16	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
17	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	BF	BF	BF	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	0.0
18	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
19	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
20	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
21	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
22	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
23	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
24	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
25	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
26	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	1.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	2.0
27	BD	.0	.0	.0	.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
28	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
29	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
30																											0	
31																											0	
NO.:	29	29	29	29	29	29	29	28	28	28	29	28	28	28	29	29	29	29	29	29	29	29	29	29	29	29	29	
MAX:	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	3.0	1.0	1.0	2.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	
AVG:	.03	.03	.03	0.00	.03	.07	.07	.18	.25	.38	.36	.39	.14	.10	.17	.10	.07	0.00	.03	.03	0.00	0.00	0.00	0.00	0.00	0.00		

MONTHLY OBSERVATIONS: 661 MONTHLY MEAN: .11 MONTHLY MAX: 3.0

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

(42401) Sulfur dioxide  
 SITE ID: 37-051-1003 POC: 1  
 COUNTY: (051) Cumberland  
 CITY: (32640) Hope Mills  
 SITE ADDRESS: 3625 GOLFVIEW RD  
 SITE COMMENTS:  
 MONITOR COMMENTS: ABANDONED POPULATION EXPOSURE MONITORING OBJECTIVE ABOUT 2010

STATE: (37) North Carolina  
 AQCR: (169) SANDHILLS  
 URBANIZED AREA: (2560) FAYETTEVILLE, NC  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.968889  
 LONGITUDE: -78.9625  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 50.9  
 PROBE HEIGHT: 3.73

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: MARCH 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
2	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	BF	BF	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	0.0	
3	BD	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	-1.0	.0	.0	.0	-1.0	.0	.0	.0	.0	-1.0	23	0.0	
4	BD	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
5	BD	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
6	BD	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
7	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	23	1.0	
8	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
9	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
10	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
11	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
12	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
13	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
14	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
15	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
16	BD	.0	.0	.0	.0	.0	.0	.0	BF	BF	BF	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	0.0	
17	BD	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
18	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	23	0.0	
19	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
20	BD	.0	.0	-1.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
21	BD	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
22	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	23	0.0	
23	BD	-1.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
24	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	23	0.0	
25	BD	.0	.0	-1.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
26	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
27	BD	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
28	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
29	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
30	BD	.0	.0	.0	.0	1.0	BF	BF	BF	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	1.0	
31	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
NO.:	31	31	31	31	31	30	30	29	30	29	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31		
MAX:	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0		
AVG:	-.03	-.03	-.06	-.03	0.00	.03	.07	.10	.03	.03	0.00	.03	0.00	-.06	-.06	0.00	0.00	0.00	0.00	0.00	0.00	-.03	0.00	-.03	-.06		

MONTHLY OBSERVATIONS: 705 MONTHLY MEAN: -.01 MONTHLY MAX: 1.0

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

(42401) Sulfur dioxide

SITE ID: 37-051-1003 POC: 1  
 COUNTY: (051) Cumberland  
 CITY: (32640) Hope Mills  
 SITE ADDRESS: 3625 GOLFVIEW RD  
 SITE COMMENTS:  
 MONITOR COMMENTS: ABANDONED POPULATION EXPOSURE MONITORING OBJECTIVE ABOUT 2010

STATE: (37) North Carolina  
 AQCR: (169) SANDHILLS  
 URBANIZED AREA: (2560) FAYETTEVILLE, NC  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.968889  
 LONGITUDE: -78.9625  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 50.9  
 PROBE HEIGHT: 3.73

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: APRIL 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM		
1	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
2	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
3	BD	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
4	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
5	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
6	BD	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
7	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
8	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
9	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
10	BD	.0	.0	.0	.0	.0	.0	.0	AZ	AZ	AZ	AZ	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	0.0
11	BD	.0	.0	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
12	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
13	BD	.0	.0	.0	.0	.0	.0	.0	2.0	BF	BF	BF	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	2.0
14	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
15	BD	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
16	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
17	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
18	BD	.0	.0	.0	.0	.0	.0	.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	23	2.0
19	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
20	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
21	BD	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
22	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	-1.0	23	0.0	
23	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
24	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
25	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
26	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
27	BD	.0	.0	.0	.0	.0	.0	.0	.0	BF	BF	BF	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	1.0	.0	.0	20	1.0
28	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
29	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0	23	1.0	
30	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
31																											0	
NO.:	30	30	30	30	30	30	30	30	29	27	27	27	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
MAX:	1.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	0.0	1.0	1.0	1.0		
AVG:	.03	0.00	0.00	-0.03	.03	.03	.03	.07	.21	.07	.07	.04	.03	.10	.10	.07	0.00	.07	0.00	0.00	0.00	.07	0.00	.03	0.00			

MONTHLY OBSERVATIONS: 680 MONTHLY MEAN: .04 MONTHLY MAX: 2.0

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

(42401) Sulfur dioxide

SITE ID: 37-051-1003 POC: 1  
 COUNTY: (051) Cumberland  
 CITY: (32640) Hope Mills  
 SITE ADDRESS: 3625 GOLFVIEW RD  
 SITE COMMENTS:  
 MONITOR COMMENTS: ABANDONED POPULATION EXPOSURE MONITORING OBJECTIVE ABOUT 2010

STATE: (37) North Carolina  
 AQCR: (169) SANDHILLS  
 URBANIZED AREA: (2560) FAYETTEVILLE, NC  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.968889  
 LONGITUDE: -78.9625  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 50.9  
 PROBE HEIGHT: 3.73

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: MAY 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM		
1	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
2	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
3	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
4	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
5	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
6	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	23	0.0
7	BD	.0	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
8	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
9	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	23	0.0
10	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
11	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	BF	BF	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	0.0
12	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
13	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
14	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	-1.0	-1.0	.0	-1.0	-1.0	-1.0	.0	.0	.0	.0	.0	-1.0	-1.0	.0	.0	23	0.0
15	BD	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	-1.0	.0	.0	.0	.0	23	0.0
16	BD	.0	-1.0	.0	.0	-1.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
17	BD	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	-1.0	-1.0	.0	.0	.0	.0	23	0.0
18	BD	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
19	BD	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
20	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	23	0.0
21	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
22	BD	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
23	BD	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
24	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.0	1.0	.0	.0	.0	.0	.0	.0	23	3.0
25	BD	.0	.0	.0	.0	.0	.0	.0	.0	BF	BF	BF	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	0.0
26	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
27	BD	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	23	0.0
28	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	-1.0	.0	.0	.0	23	0.0
29	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
30	BD	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	23	0.0
31	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
NO.:		31	31	31	31	31	31	31	31	30	29	29	31	31	31	31	31	31	31	31	31	31	31	31	31			
MAX:		0.0	0.0	0.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	3.0	1.0	0.0	0.0	0.0	0.0			
AVG:		0.00	-0.06	-0.03	-0.03	0.00	0.00	0.03	-0.06	0.00	-0.03	-0.07	-0.06	0.00	-0.03	-0.03	-0.10	-0.03	0.00	0.06	-0.10	-0.13	-0.06	-0.03				

MONTHLY OBSERVATIONS: 708 MONTHLY MEAN: -.03 MONTHLY MAX: 3.0

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

(42401) Sulfur dioxide

SITE ID: 37-051-1003 POC: 1  
 COUNTY: (051) Cumberland  
 CITY: (32640) Hope Mills  
 SITE ADDRESS: 3625 GOLFVIEW RD  
 SITE COMMENTS:  
 MONITOR COMMENTS: ABANDONED POPULATION EXPOSURE MONITORING OBJECTIVE ABOUT 2010

STATE: (37) North Carolina  
 AQCR: (169) SANDHILLS  
 URBANIZED AREA: (2560) FAYETTEVILLE, NC  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.968889  
 LONGITUDE: -78.9625  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 50.9  
 PROBE HEIGHT: 3.73

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JUNE 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	BD	.0	.0	.0	.0	.0	.0	.0	.0	BF	BA	BA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	20	0.0
2	BD	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
3	BD	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
4	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
5	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	23	0.0
6	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
7	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
8	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
9	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
10	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
11	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
12	BD	.0	.0	-1.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
13	BD	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
14	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
15	BD	.0	.0	.0	.0	.0	.0	.0	.0	BF	BA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	0.0
16	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
17	BD	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
18	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
19	BD	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
20	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
21	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
22	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	23	0.0
23	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	23	0.0
24	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
25	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
26	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
27	BD	.0	.0	.0	.0	.0	.0	4.0	2.0	1.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	4.0
28	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	23	1.0
29	BD	1.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	BF	BA	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	1.0
30	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
31																										0	
NO.:	30	30	30	30	30	30	30	30	30	28	28	29	29	29	30	30	30	30	30	30	30	30	30	30	30		
MAX:	1.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.0	1.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0		
AVG:	-.03	0.00	-.07	-.07	-.03	0.00		.17	.07	.07	.04	0.00	0.00	-.07	.07	0.00	-.03	0.00	.03	-.07	0.00	-.03	0.00	-.03			

MONTHLY OBSERVATIONS: 683 MONTHLY MEAN: 0.00 MONTHLY MAX: 4.0

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

(42401) Sulfur dioxide

SITE ID: 37-051-1003 POC: 1  
 COUNTY: (051) Cumberland  
 CITY: (32640) Hope Mills  
 SITE ADDRESS: 3625 GOLFVIEW RD  
 SITE COMMENTS:  
 MONITOR COMMENTS: ABANDONED POPULATION EXPOSURE MONITORING OBJECTIVE ABOUT 2010

STATE: (37) North Carolina  
 AQCR: (169) SANDHILLS  
 URBANIZED AREA: (2560) FAYETTEVILLE, NC  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.968889  
 LONGITUDE: -78.9625  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 50.9  
 PROBE HEIGHT: 3.73

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JULY 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM		
1	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
2	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	BC	BC	BC	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	0.0
3	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
4	BD	1.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	23	1.0
5	BD	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
6	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
7	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
8	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
9	BD	1.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
10	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
11	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
12	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
13	BD	.0	.0	.0	.0	.0	.0	.0	.0	BF	BF	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	0.0
14	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
15	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
16	BD	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
17	BD	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
18	BD	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
19	BD	1.0	1.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
20	BD	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	AV	AV	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	1.0
21	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
22	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
23	BD	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
24	BD	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
25	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	2.0
26	BD	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
27	BD	1.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	BF	BF	BF	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	1.0
28	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
29	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
30	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
31	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
NO.:		31	31	31	31	31	31	31	31	30	30	29	29	30	30	31	31	31	31	31	31	31	31	31	31			
MAX:		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVG:		.23	.10	.06	.06	.06	.13	.35	.32	.23	.17	.10	.10	.14	.07	.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

MONTHLY OBSERVATIONS: 703 MONTHLY MEAN: .10 MONTHLY MAX: 2.0

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

(42401) Sulfur dioxide

SITE ID: 37-051-1003 POC: 1  
 COUNTY: (051) Cumberland  
 CITY: (32640) Hope Mills  
 SITE ADDRESS: 3625 GOLFVIEW RD  
 SITE COMMENTS:  
 MONITOR COMMENTS: ABANDONED POPULATION EXPOSURE MONITORING OBJECTIVE ABOUT 2010

STATE: (37) North Carolina  
 AQCR: (169) SANDHILLS  
 URBANIZED AREA: (2560) FAYETTEVILLE, NC  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.968889  
 LONGITUDE: -78.9625  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 50.9  
 PROBE HEIGHT: 3.73

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: AUGUST 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM		
1	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
2	BD	.0	.0	.0	.0	.0	.0	.0	AZ	AZ	AZ	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	0.0
3	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
4	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
5	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
6	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
7	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
8	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
9	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
10	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	BF	BF	BF	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	0.0
11	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
12	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
13	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
14	BD	.0	.0	.0	.0	1.0	.0	1.0	2.0	1.0	2.0	1.0	1.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	2.0
15	BD	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
16	BD	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
17	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
18	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
19	BD	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
20	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
21	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
22	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	2.0
23	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
24	BD	.0	.0	.0	.0	.0	2.0	1.0	.0	.0	.0	BF	BF	BF	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	2.0
25	BD	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
26	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
27	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
28	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
29	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	AV	AV	.0	.0	.0	.0	.0	.0	.0	.0	21	0.0
30	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
31	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
NO.:		31	31	31	31	31	31	31	30	30	29	29	29	30	31	30	30	31	31	31	31	31	31	31	31			
MAX:		1.0	0.0	0.0	0.0	1.0	2.0	1.0	2.0	1.0	2.0	1.0	2.0	1.0	0.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVG:		.03	0.00	0.00	0.00	.03	.06	.16	.17	.20	.17	.10	.14	.03	0.00	.03	.03	.03	.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

MONTHLY OBSERVATIONS: 702 MONTHLY MEAN: .05 MONTHLY MAX: 2.0

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

(42401) Sulfur dioxide

SITE ID: 37-051-1003 POC: 1  
 COUNTY: (051) Cumberland  
 CITY: (32640) Hope Mills  
 SITE ADDRESS: 3625 GOLFVIEW RD  
 SITE COMMENTS:  
 MONITOR COMMENTS: ABANDONED POPULATION EXPOSURE MONITORING OBJECTIVE ABOUT 2010

STATE: (37) North Carolina  
 AQCR: (169) SANDHILLS  
 URBANIZED AREA: (2560) FAYETTEVILLE, NC  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.968889  
 LONGITUDE: -78.9625  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 50.9  
 PROBE HEIGHT: 3.73

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: SEPTEMBER 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM		
1	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
2	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
3	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
4	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
5	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
6	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
7	BD	.0	.0	.0	.0	.0	.0	.0	.0	BF	BF	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	0.0
8	BD	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
9	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
10	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
11	BD	.0	.0	.0	.0	.0	.0	.0	3.0	1.0	1.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	3.0
12	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	.0	.0	.0	1.0	1.0	3.0	2.0	1.0	.0	.0	.0	.0	23	3.0
13	BD	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
14	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
15	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
16	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
17	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
18	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
19	BD	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
20	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
21	BD	.0	.0	.0	.0	.0	.0	.0	.0	BF	BF	BF	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	20	1.0
22	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
23	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
24	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
25	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
26	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
27	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
28	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
29	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
30	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
31																											0	
NO.:	30	30	30	30	30	30	30	30	30	28	28	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
MAX:	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	3.0	2.0	1.0	0.0	0.0	0.0			
AVG:	0.00	0.00	0.00	0.00	0.00	0.00	.07	.03	.23	.29	.25	.14	.10	.13	.07	.03	0.00	.07	.03	.13	.07	.03	0.00	0.00				

MONTHLY OBSERVATIONS: 685 MONTHLY MEAN: .07 MONTHLY MAX: 3.0

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

(42401) Sulfur dioxide

SITE ID: 37-051-1003 POC: 1  
 COUNTY: (051) Cumberland  
 CITY: (32640) Hope Mills  
 SITE ADDRESS: 3625 GOLFVIEW RD  
 SITE COMMENTS:  
 MONITOR COMMENTS: ABANDONED POPULATION EXPOSURE MONITORING OBJECTIVE ABOUT 2010

STATE: (37) North Carolina  
 AQCR: (169) SANDHILLS  
 URBANIZED AREA: (2560) FAYETTEVILLE, NC  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.968889  
 LONGITUDE: -78.9625  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 50.9  
 PROBE HEIGHT: 3.73

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: OCTOBER 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM		
1	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
2	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
3	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
4	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
5	BD	.0	.0	.0	.0	.0	.0	.0	.0	BF	BA	BA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	0.0
6	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
7	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
8	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
9	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
10	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
11	BD	.0	.0	.0	.0	.0	.0	.0	1.0	2.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	2.0
12	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	23	1.0
13	BD	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
14	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
15	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
16	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
17	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
18	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
19	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	BF	BA	BA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	20	1.0
20	BD	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	23	1.0
21	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
22	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
23	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
24	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
25	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	2.0
26	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
27	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
28	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	23	1.0
29	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
30	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
31	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
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			
MAX:		1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
AVG:		.03	0.00	0.00	0.00	0.00	0.00	0.00	.13	.17	.23	.21	.17	.10	.10	.10	.10	.10	.06	.06	0.00	0.00	.06	.06	.06	.06	.06	

MONTHLY OBSERVATIONS: 707 MONTHLY MEAN: .07 MONTHLY MAX: 2.0

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

(42401) Sulfur dioxide

SITE ID: 37-051-1003 POC: 1  
 COUNTY: (051) Cumberland  
 CITY: (32640) Hope Mills  
 SITE ADDRESS: 3625 GOLFVIEW RD  
 SITE COMMENTS:  
 MONITOR COMMENTS: ABANDONED POPULATION EXPOSURE MONITORING OBJECTIVE ABOUT 2010

STATE: (37) North Carolina  
 AQCR: (169) SANDHILLS  
 URBANIZED AREA: (2560) FAYETTEVILLE, NC  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.968889  
 LONGITUDE: -78.9625  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 50.9  
 PROBE HEIGHT: 3.73

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: NOVEMBER 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
2	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	BF	BA	.0	.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	21	1.0	
3	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	.0	.0	.0	.0	.0	23	1.0	
4	BD	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
5	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0	
6	BD	1.0	1.0	1.0	1.0	.0	1.0	1.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0	
7	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
8	BD	.0	.0	.0	.0	.0	.0	.0	1.0	3.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	1.0	1.0	1.0	23	3.0	
9	BD	1.0	1.0	1.0	1.0	.0	.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	23	2.0	
10	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	23	2.0	
11	BD	.0	.0	.0	.0	.0	.0	.0	1.0	2.0	2.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	2.0	
12	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
13	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
14	BD	.0	1.0	1.0	.0	.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
15	BD	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
16	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	BF	BA	BA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	20	1.0	
17	BD	.0	.0	.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
18	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
19	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	23	1.0	
20	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
21	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0	
22	BD	1.0	1.0	1.0	1.0	.0	.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0	
23	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0	
24	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	23	1.0
25	BD	1.0	1.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	23	1.0	
26	BD	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0	
27	BD	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	.0	.0	1.0	1.0	.0	.0	23	2.0		
28	BD	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	23	2.0	
29	BD	.0	.0	.0	.0	.0	.0	.0	.0	2.0	4.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	23	4.0	
30	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	BF	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	22	1.0	
31																										0	
NO.:	30	30	30	30	30	30	30	30	30	30	29	28	27	30	30	30	30	30	30	30	30	30	30	30			
MAX:	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0		
AVG:	.20	.20	.20	.27	.13	.20	.27	.43	.83	.97	.76	.61	.52	.60	.60	.63	.47	.53	.37	.37	.37	.37	.27	.27			

MONTHLY OBSERVATIONS: 684 MONTHLY MEAN: .44 MONTHLY MAX: 4.0

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

(42401) Sulfur dioxide

SITE ID: 37-051-1003 POC: 1  
 COUNTY: (051) Cumberland  
 CITY: (32640) Hope Mills  
 SITE ADDRESS: 3625 GOLFVIEW RD  
 SITE COMMENTS:  
 MONITOR COMMENTS: ABANDONED POPULATION EXPOSURE MONITORING OBJECTIVE ABOUT 2010

STATE: (37) North Carolina  
 AQCR: (169) SANDHILLS  
 URBANIZED AREA: (2560) FAYETTEVILLE, NC  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.968889  
 LONGITUDE: -78.9625  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 50.9  
 PROBE HEIGHT: 3.73

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: DECEMBER 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	.0	.0	23	2.0	
2	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	2.0
3	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
4	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
5	BD	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
6	BD	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	.0	23	1.0
7	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
8	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	23	1.0
9	BD	3.0	2.0	1.0	1.0	.0	.0	.0	1.0	1.0	1.0	.0	.0	1.0	3.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	23	3.0
10	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	2.0	23	2.0	
11	BD	2.0	2.0	2.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	.0	1.0	.0	23	2.0	
12	BD	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
13	BD	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
14	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	BF	BF	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	21	1.0
15	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
16	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
17	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
18	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
19	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	23	1.0
20	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
21	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
22	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	23	1.0
23	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.0	.0	.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
24	BD	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	23	2.0
25	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
26	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
27	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
28	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	BF	BF	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	21	1.0
29	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
30	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
31	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	2.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	23	2.0
NO.:		31	31	31	31	31	31	31	31	31	29	29	31	31	31	31	31	31	31	31	31	31	31	31			
MAX:		3.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	3.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	
AVG:		.26	.19	.16	.13	.10	.10	.13	.16	.26	.39	.28	.34	.35	.45	.32	.32	.32	.26	.23	.23	.23	.23	.13	.23		

MONTHLY OBSERVATIONS: 709 MONTHLY MEAN: .24 MONTHLY MAX: 3.0

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

(42401) Sulfur dioxide

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: ML 8850 ANALYZER/CHANGED TO API 100A 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: 7446-09-5  
 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: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JANUARY 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	.1	.1	.1	.0	.0	.0	.0	.0	.1	.5	.7	1.0	1.1	1.3	.7	.6	.1	.0	.0	.1	.0	.0	.0	.0	.0	24	1.3
2	.0	.0	.0	.1	.2	.1	.0	.0	.0	.1	.1	.4	.8	.5	.5	.4	.2	.3	.4	.3	.1	.0	.1	.1	.1	24	.8
3	.2	.4	.4	.3	.5	.5	.5	.6	.7	.6	.4	.4	.3	BF	.3	.3	.3	.3	.3	.3	.3	.3	.4	.3	.3	23	.7
4	.2	.3	.3	.3	.2	.1	.3	.3	1.5	.5	.6	.7	.9	.7	.4	.5	.7	.6	.6	.6	.5	.5	.5	.4	.4	24	1.5
5	.4	.3	.3	.3	.2	.2	.5	.5	1.1	1.1	1.1	1.1	.9	.9	.7	.9	1.5	.7	.5	.4	.4	.5	.5	.5	.5	24	1.5
6	.4	.5	.5	.4	.4	.4	.7	.6	1.5	1.3	.9	1.1	.8	.3	.2	.1	.8	.3	.3	.4	.4	.3	.4	.4	.4	24	1.5
7	.4	.5	.4	.4	.5	.4	.4	.9	1.2	1.2	1.0	.8	.5	.3	.3	.3	.3	.2	.0	.1	.1	.1	.2	.1	.1	24	1.2
8	.1	.1	.2	.3	.4	.5	1.1	1.3	2.2	2.5	2.2	1.7	1.4	1.3	1.2	1.2	1.3	1.2	1.2	1.1	1.1	1.1	1.2	.9	.9	24	2.5
9	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	24	.7
10	.0	.0	.0	-.1	-.1	-.1	.0	.0	.0	.0	.1	.3	.5	.6	1.3	.6	.4	.3	.2	.3	.2	.4	.7	.4	.4	24	1.3
11	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.3
12	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.2	.3	.1	.0	.0	.0	.0	.0	.2	.1	.1	.2	.0	.0	24	.3
13	-.1	-.1	-.1	.0	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1	.1	.0	.0	24	.2
14	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1	.2	.1	.1	.1	.1	.1	.0	.3	.5	.4	.3	.3	.2	.2	24	.5
15	.5	.3	.2	.0	.0	.0	.1	.4	.3	.2	.2	.2	.2	.3	.3	.3	.3	.3	1.1	.5	.4	.4	.6	.5	.5	24	1.1
16	.4	.4	.7	.8	.5	.3	.2	.2	.6	1.0	1.4	1.2	1.1	.8	1.3	1.2	1.1	1.2	1.2	.9	.7	.5	.6	.5	.5	24	1.4
17	.7	1.0	.9	1.1	6.2	4.0	1.8	2.2	2.5	2.2	1.2	1.9	1.9	BF	2.6	1.1	.5	1.4	.5	.2	.1	.0	.0	.0	.0	23	6.2
18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.6	.7	.8	.8	1.0	.9	.8	1.0	1.0	1.0	.9	.9	24	1.0
19	.6	.4	1.3	.5	.3	.6	.9	.6	.8	1.3	1.4	1.2	BC	BC	.7	.7	1.4	1.1	.8	.6	.6	.7	1.4	.9	.9	22	1.4
20	1.4	.7	.7	.4	.4	.6	.6	.7	1.5	1.4	.8	.8	.7	.7	.6	.7	.7	.5	.3	.0	.0	.0	.0	.0	.0	24	1.5
21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	0.0
22	.0	.1	.3	.6	.9	.7	.2	.1	.0	.1	.1	.2	.1	.0	.1	.6	.5	.1	.0	.0	.0	.0	.0	.0	.0	24	.9
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5	.1	.4	1.0	2.4	.2	.0	.0	.0	.2	.0	.0	24	2.4
24	.0	.0	.0	.0	.0	.0	.8	2.4	2.3	.6	1.8	3.7	4.1	2.4	AZ	AZ	AZ	.2	2.0	2.0	.5	.5	.4	.3	.3	21	4.1
25	.3	.3	.4	.3	.3	.2	.2	.2	.3	.4	.8	.6	.5	.4	.5	.5	.3	.4	.5	.5	.4	.4	.5	.4	.4	24	.8
26	.4	.4	.4	.5	.5	.8	.5	.9	1.4	1.6	1.3	1.4	.9	.3	.3	.2	.4	.3	.2	.2	.0	.0	.1	.3	.2	24	1.6
27	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.1	.0	.0	-.1	.0	.0	.0	.0	.0	.1	.2	.1	24	.2
28	.0	.0	.0	.0	.0	.0	.2	.2	.0	.3	.6	.3	.6	.4	.3	.1	.0	.2	.3	.1	.1	.1	.2	.1	.1	24	.6
29	.1	.1	.1	.2	.0	.2	.2	.2	.4	.5	.4	.3	.1	.1	.2	.2	.1	.0	.1	.1	.1	.1	.1	.1	.1	24	.5
30	.1	.1	.1	.1	.1	.2	.2	.3	.6	4.5	1.5	1.2	1.0	.7	.5	.8	.2	.3	.3	.2	.2	.2	.4	.2	.2	24	4.5
31	.2	.2	.2	.2	.2	.2	.2	.3	.6	.4	.7	.5	.4	BF	.4	.4	.2	.3	.7	.4	.5	.8	1.0	1.0	.2	23	1.0
NO.:	31	31	31	31	31	31	31	31	31	31	31	31	30	27	30	30	30	31	31	31	31	31	31	31	31	31	
MAX:	1.4	1.0	1.3	1.1	6.2	4.0	1.8	2.4	2.5	4.5	2.2	3.7	4.1	2.4	2.6	1.2	1.5	2.4	2.0	2.0	1.1	1.1	1.4	1.0	1.0		
AVG:	.25	.21	.24	.22	.37	.31	.30	.40	.63	.73	.63	.70	.68	.50	.48	.43	.44	.44	.42	.35	.27	.27	.36	.28	.28		

MONTHLY OBSERVATIONS: 736 MONTHLY MEAN: .41 MONTHLY MAX: 6.2

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

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: ML 8850 ANALYZER/CHANGED TO API 100A 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: 7446-09-5  
 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: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: FEBRUARY 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM		
1	.9	.7	.5	.4	.3	.3	.4	.3	.5	.6	.8	.9	.6	.5	.6	.4	.8	2.0	3.4	.3	.1	.0	.1	.0	24	3.4		
2	.0	.0	.0	.0	-.1	-.1	-.1	-.1	.0	.6	.8	.1	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	24	.8		
3	.0	.0	.0	.0	.0	.0	.0	.1	.4	1.4	1.2	.8	.7	.7	.5	.5	.5	.6	.6	.6	.5	1.1	.7	24	1.4			
4	1.1	1.0	1.9	1.0	.5	.4	.4	.4	.6	.9	.9	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	1.9		
5	.0	-.1	-.1	-.1	.0	.0	.1	.0	.0	.1	.1	.3	.3	.3	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	24	.6		
6	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.0	1.1	.8	.5	.5	.3	.3	.2	.0	.0	.0	.1	.0	.2	.1	24	1.1		
7	.0	.0	.0	.0	.0	.0	.2	.3	.9	1.2	1.2	1.2	1.4	2.1	2.8	2.3	2.1	2.0	1.7	1.6	1.3	1.0	.8	.7	24	2.8		
8	.6	.6	.6	.7	.4	.4	.5	.7	1.5	3.5	4.5	2.6	1.6	1.4	1.1	.9	.6	.4	.5	.4	.1	.0	.0	.0	24	4.5		
9	.0	.0	.0	.0	.2	.2	.2	.2	.2	.3	.2	.1	.1	.2	.4	.3	.1	.1	.1	.3	.4	.3	.3	.1	24	.4		
10	.1	.1	.1	.1	.1	.1	.2	.3	.7	1.0	1.0	1.0	1.1	.8	.7	.7	.7	.8	.7	.6	.6	.4	.6	.5	24	1.1		
11	.5	.4	.4	.3	.1	.1	.1	.2	.2	.1	.7	.4	.2	.0	.0	.1	.3	.5	.5	.1	.1	.1	.0	.0	24	.7		
12	.0	.1	.1	.2	.3	.7	.8	.6	.6	.5	.3	.2	.2	.3	.3	.3	.3	.2	.2	.2	.2	.2	.4	.4	24	.8		
13	.3	.3	.3	.2	.2	.2	.2	.5	.8	.9	.8	.7	.5	.5	.4	.4	.4	.2	.2	.3	.6	1.4	1.0	2.3	24	2.3		
14	2.8	10.3	9.1	3.6	3.7	4.0	3.0	1.1	1.1	1.4	1.3	.8	.5	.5	BF	.5	.5	.5	.4	.2	.1	.1	.2	.1	23	10.3		
15	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.7	3.2	1.1	.0	.0	.0	.1	.3	.4	.3	.3	.3	24	3.2		
16	.4	.4	.3	.3	.7	.6	1.0	1.6	1.5	.8	1.3	.7	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	24	1.6		
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.2	.3	.4	.6	.6	24	.6		
18	.3	.3	.3	1.3	1.5	1.1	1.0	1.0	1.1	.9	.8	.6	.5	.4	.4	.6	.4	.3	.3	.4	.4	.6	.5	.4	24	1.5		
19	.5	.4	.3	.6	.4	.4	.5	.7	.4	.4	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	24	.7		
20	.0	.0	.0	.0	.0	.0	.0	.0	.5	1.0	1.1	.9	.8	.7	.6	.5	.5	.7	1.8	1.5	.7	.4	.6	.4	24	1.8		
21	.3	.2	.2	.1	.1	.0	.0	.3	.4	.4	.6	1.6	1.3	.9	.8	.7	.6	.3	.3	.3	.2	.2	.2	.1	24	1.6		
22	.2	.2	.0	.0	.0	.0	.0	.0	.2	.9	.6	.8	.3	.2	.2	.2	.4	.2	.2	.4	.1	.0	.0	.1	.0	24	.9	
23	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	.0	-.1	.0	.0	.2	.1	.1	.2	.1	.2	.1	.2	.2	.8	.7	.3	24	.8		
24	.1	.0	.0	.1	.0	.0	.0	.0	.1	.1	.2	.1	.1	AV	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	23	.2		
25	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.3	.5	.5	.5	.5	.5	.3	.2	.1	.0	.1	.1	.1	24	.5		
26	.2	.2	.2	.1	.0	.0	.0	.1	.1	.5	.9	.2	.3	.3	.2	.2	.6	.4	.4	.6	.6	1.3	1.4	.8	24	1.4		
27	1.0	.5	.5	.7	.5	.6	.5	.6	1.0	.9	1.1	2.1	2.8	2.8	1.3	.5	.6	.5	.1	.0	.0	.0	.0	.0	24	2.8		
28	.0	.0	.0	.0	.0	.1	.0	.0	1.0	1.9	3.2	1.3	BF	.8	.7	.9	.9	.6	.6	.5	.5	.5	.5	.7	23	3.2		
29	1.3	.6	1.0	1.2	1.1	1.2	1.2	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	1.3		
30																										0		
31																											0	
NO.:	29	29	29	29	29	29	29	29	29	29	29	29	28	28	28	29	29	29	29	29	29	29	29	29	29			
MAX:	2.8	10.3	9.1	3.6	3.7	4.0	3.0	1.6	1.5	3.5	4.5	2.6	2.8	3.2	2.8	2.3	2.1	2.0	3.4	1.6	1.3	1.4	1.4	1.4	2.3			
AVG:	.37	.56	.54	.37	.34	.35	.35	.34	.50	.73	.86	.66	.58	.65	.50	.40	.39	.37	.44	.30	.26	.30	.34	.30				

MONTHLY OBSERVATIONS: 693 MONTHLY MEAN: .45 MONTHLY MAX: 10.3

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

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: ML 8850 ANALYZER/CHANGED TO API 100A 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: 7446-09-5  
 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: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: MARCH 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM		
1	.0	.0	.0	.0	-.1	-.1	-.1	-.1	.0	2.0	.9	1.0	.8	.7	.4	.6	.0	.0	.0	.0	.1	.1	.2	.1	24	2.0		
2	.1	.2	.2	.4	.6	1.1	.9	.6	.6	.6	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	1.1	
3	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	24	.2		
4	.2	.2	.2	.1	.2	.2	.2	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.1	.0	24	.3		
5	.0	.0	.1	.3	.4	.2	.0	1.1	.7	.1	.3	.5	.5	.4	.5	.6	.6	.4	.2	.2	.2	.2	.5	.5	24	1.1		
6	.4	.4	.2	.1	.1	.2	.2	.5	.8	.9	.7	.6	.4	.5	.5	.4	.4	.4	.4	.5	.7	.8	1.8	1.5	24	1.8		
7	1.2	.5	.4	.3	.3	.4	.7	15.3	12.5	4.1	.8	.5	.6	.2	.0	.0	.0	.0	.2	.4	.1	.2	.5	.3	24	15.3		
8	.4	.3	.1	.1	.2	.2	.1	.1	.2	.2	.1	.1	.1	.3	.1	.0	.0	.0	.0	.1	.5	.7	.5	.1	24	.7		
9	.0	.0	.0	.0	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.5	.5	.5	.4	.3	.4	.2	24	.5		
10	.4	1.0	.9	.8	.7	.6	.7	1.1	1.3	.8	.7	1.7	1.1	.5	.2	.2	.1	.1	.1	.2	.2	.5	.7	.4	24	1.7		
11	.3	.2	.1	.1	.1	.3	.1	.3	.7	.7	.7	.5	.4	.3	.5	.3	.4	.2	.2	.3	.6	.5	.4	.3	24	.7		
12	.7	1.3	.7	.8	1.3	1.0	.5	.7	1.4	1.6	.8	.2	.1	.3	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	24	1.6		
13	.1	.1	.0	.0	.0	.0	.0	.0	.2	.2	BF	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	.2		
14	.0	.0	.0	-.1	.0	.0	.0	.0	.2	.6	.5	.3	.2	.3	.2	.1	.2	.1	.0	.1	.3	.4	.6	1.3	24	1.3		
15	1.6	1.2	1.1	.6	.4	.4	.4	1.0	.9	.7	.7	.4	.2	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	24	1.6		
16	.0	.0	.0	.0	-.1	.0	.0	.1	.3	.2	.2	.3	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	24	.3		
17	.0	.0	.0	.0	.0	-.1	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.1	.0	.0	24	.1		
18	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	0.0		
19	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.1	.3	.3	.2	.2	.3	.3	.2	.2	.2	.2	24	.4		
20	.2	.0	.0	.0	.0	.0	.0	.0	.4	1.7	1.7	1.4	1.0	1.0	.6	.5	.4	.3	.0	.0	.0	-.1	.0	-.1	24	1.7		
21	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.2	.3	.3	.2	.2	.1	.0	.0	.2	.2	.0	.0	.0	24	.3		
22	.0	.0	-.1	-.1	-.1	-.1	.0	.0	.0	.1	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.1	.2	.0	24	.2		
23	.0	.0	.0	.0	-.1	.0	.0	.0	.1	.1	.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	-.1	.0	-.1	24	.4		
24	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	-.1	24	.1		
25	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	-.1	.0	-.1	-.1	-.1	-.1	.0	-.1	24	0.0		
26	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.6	1.4	24	1.4		
27	1.5	.9	.7	.6	.4	.3	.3	.3	.3	.3	.5	.5	BF	.7	.5	.4	.4	.4	.5	.6	.7	1.2	1.4	1.0	23	1.5		
28	.8	.4	.6	1.1	.6	.3	.4	.5	.4	.5	.5	.3	.3	.3	.3	.3	.4	.4	.3	.2	.2	.3	.4	.4	24	1.1		
29	.2	.1	.1	.1	.1	3.4	31.9	1.4	1.0	.9	.4	.2	.2	.3	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	24	31.9		
30	.1	.3	.7	.8	.7	.6	.5	.4	.4	.4	.3	.3	.3	.3	.4	.6	.3	.3	.4	.6	.6	.5	.4	.4	24	.8		
31	.3	.2	.2	.0	.0	.0	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.3		
NO.:	31	31	31	31	31	31	31	31	31	31	30	31	30	31	31	31	31	31	31	31	31	31	31	31	31			
MAX:	1.6	1.3	1.1	1.1	1.3	3.4	31.9	15.3	12.5	4.1	1.7	1.7	1.1	1.0	.6	.6	.6	.5	.6	.7	1.2	1.8	1.5					
AVG:	.25	.21	.18	.17	.16	.27	1.16	.75	.71	.54	.35	.32	.22	.22	.19	.16	.13	.11	.11	.14	.17	.19	.30	.26				

MONTHLY OBSERVATIONS: 742 MONTHLY MEAN: .30 MONTHLY MAX: 31.9

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

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: ML 8850 ANALYZER/CHANGED TO API 100A 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: 7446-09-5  
 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: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: APRIL 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	.1	.0	.0	.0	.0	-.1	.0	.0	.0	.0	.1	.2	.1	.0	.1	.2	.1	.1	.1	.1	.0	.0	.0	.0	24	.2
2	.0	.0	.0	-.1	-.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.2	.2	.1	.1	.1	.1	24	.2
3	.0	.0	.0	.0	.0	.0	.0	.3	.5	.5	.2	.4	.2	.1	.1	.2	.1	.3	.0	.0	.0	-.1	.0	-.1	24	.5
4	-.1	-.1	-.1	-.1	-.1	-.1	.0	.8	2.5	1.8	1.5	.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	-.1	24	2.5
5	-.1	-.1	-.1	-.1	.0	-.1	.0	.3	.5	1.2	.5	.4	.4	.5	.7	1.3	.8	.4	.7	.1	.2	.1	.2	.1	24	1.3
6	.2	.1	.0	.0	.0	.0	.0	.1	.9	1.3	1.1	.9	.4	.2	.2	.2	.4	.8	.5	.3	.2	.2	.1	.1	24	1.3
7	.0	.0	.0	.0	.0	.0	.0	1.0	1.4	.9	.7	.7	.7	.6	.3	.2	.2	.2	.2	.3	.4	.4	.4	.2	24	1.4
8	.2	.0	.0	.0	.0	.0	.0	.1	.2	.4	.6	.7	.9	.7	.6	.4	.3	1.0	.8	.5	.5	.4	.3	.2	24	1.0
9	.4	.7	1.5	1.8	1.7	1.5	1.3	2.2	1.0	.6	.6	.7	.5	.5	.4	.4	.3	.8	.2	.2	.3	.2	.3	.3	24	2.2
10	.5	.5	.5	.6	.6	11.0	4.5	1.4	1.5	.7	.6	.5	BF	.8	.9	.4	.6	.5	.4	.3	.2	.3	.2	.3	23	11.0
11	.3	.2	.6	.8	1.0	.8	.8	.7	.4	.3	.3	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.2	.2	24	1.0
12	.1	.0	.0	.0	.0	.0	.1	.3	.4	.6	.6	.6	.6	.6	.5	.4	.4	.4	.3	.4	.6	.7	.4	.3	24	.7
13	.2	.1	.0	.1	.2	.1	.2	.1	.2	1.5	2.0	.6	.6	.4	.4	.5	.5	.6	.6	.5	.5	.4	.4	.3	24	2.0
14	.2	.1	.0	.0	.0	.0	.1	.5	.5	.8	.6	.6	.4	.3	.3	.3	.3	.3	.3	.3	.4	.5	.5	.4	24	.8
15	.3	.2	.1	.0	.0	.0	.0	.0	.4	.4	.5	1.0	.7	.1	.1	.1	.0	.0	.0	.1	.2	.3	.1	.0	24	1.0
16	.0	.0	.0	.0	.0	.0	.0	.3	.4	.4	.3	.3	.6	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.2	24	.6
17	.2	.1	.0	.0	.0	.0	.0	.3	.4	.7	1.6	1.0	1.1	.8	.5	.4	.3	.3	.1	.0	.1	.1	.2	.2	24	1.6
18	.0	.0	.0	.1	.1	.0	.0	BC	BC	.9	1.4	.7	.8	1.0	.6	.3	.3	.3	.1	.0	.1	.1	.1	.1	22	1.4
19	.1	.0	.0	.1	.1	.0	.0	.2	.6	.5	.4	.4	.1	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	24	.6
20	.0	.0	.1	.0	.0	.0	.1	.1	.2	.2	.1	.2	.3	.0	.0	.0	.0	.0	.0	.0	.2	.3	.4	.1	24	.4
21	.2	.2	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.8	.8	24	.8
22	.2	.3	.4	.2	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.4
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.1	.2	.2	.2	.1	.1	.1	.2	.3	.3	24	.3
24	.2	.3	.1	.2	.1	2.7	5.2	1.6	.9	BF	.4	.2	.6	.6	.2	.1	.4	.4	.2	.2	.2	.3	.4	.3	23	5.2
25	.2	.2	.2	.2	.1	.2	.8	1.9	1.3	.6	.4	.0	.1	.1	.1	.1	.1	.1	.2	.2	.2	.3	.2	.1	24	1.9
26	.1	.1	.0	.0	.0	.0	.0	.0	.0	.2	.0	.4	.1	.2	.2	.1	.2	.2	.2	.1	.0	.0	.0	.0	24	.4
27	.0	.0	.0	.0	.0	.0	.0	.5	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3	.3	.9	24	.9
28	1.1	1.3	1.8	1.6	1.2	.9	1.0	.6	.7	.6	.6	.7	.7	.6	.5	.4	.4	.5	.5	.4	.3	.3	.4	.2	24	1.8
29	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.9	.4	.5	.4	.5	.6	.5	.3	.2	.2	.1	.1	.1	.1	24	.9
30	.0	.1	.2	.2	.2	.1	.0	.0	.0	.0	.2	.2	.1	.3	.3	.3	.3	.4	.1	.1	.1	.2	.3	.3	24	.4
31																									0	
NO.:	30	30	30	30	30	30	30	29	29	29	30	30	29	30	30	30	30	30	30	30	30	30	30	30		
MAX:	1.1	1.3	1.8	1.8	1.7	11.0	5.2	2.2	2.5	1.8	2.0	1.0	1.1	1.0	.9	1.3	.8	1.0	.8	.5	.6	.7	.8	.9		
AVG:	.16	.15	.18	.19	.17	.57	.47	.46	.53	.54	.55	.40	.36	.32	.26	.25	.23	.28	.21	.16	.17	.19	.22	.20		

MONTHLY OBSERVATIONS: 716 MONTHLY MEAN: .30 MONTHLY MAX: 11.0

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

(42401) Sulfur dioxide

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: ML 8850 ANALYZER/CHANGED TO API 100A 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: 7446-09-5  
 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: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: MAY 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	.4	.4	.2	.1	.0	.0	.1	.3	.3	.5	.3	.3	.4	.7	.6	.5	.4	.3	.1	.2	.2	.2	.2	.1	24	.7	
2	.0	.0	.0	.1	.1	.1	.2	.8	.6	2.1	1.5	1.4	.6	.4	.5	.3	.2	.3	.4	.4	.3	.3	.3	.3	24	2.1	
3	.2	.3	.3	.2	.0	.0	.1	.4	.2	.2	.2	.4	.6	.5	.4	.4	.4	.2	.3	.5	.3	.3	.6	.6	24	.6	
4	.3	.1	.1	.0	.0	.0	.0	.3	.7	.2	.3	.4	.3	.2	.3	.2	.7	.2	.1	.0	.1	.2	.2	.1	24	.7	
5	.1	.1	.1	.1	.0	.0	.1	.1	.1	.1	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.1	
6	.0	.0	.0	.2	.3	.0	.0	.3	.3	.6	.8	1.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	1.1	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	24	.2	
8	.0	.0	.1	.0	.0	.1	.2	.2	.1	.0	.0	BF	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	23	.2	
9	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.5	
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.1	
11	.0	.0	.0	.0	.0	.0	.2	.3	.3	2.5	2.2	2.0	2.1	1.2	.5	.4	.4	.6	.5	.6	.4	.3	.1	.1	24	2.5	
12	.1	.0	.0	.1	.0	.1	.3	.3	.4	.3	.2	.2	.2	.2	.3	.6	.5	.7	.7	.3	.3	.2	.2	.1	24	.7	
13	.1	.1	.1	.0	.0	.0	.1	.5	.3	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.5	
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	0.0	
15	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.1	.1	.7	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	1.0	
16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.0	.2	.1	.7	.7	.8	.7	.9	.6	.2	.2	.2	24	.9	
17	.0	.0	.0	.0	.0	.0	.0	.4	.7	3.5	5.0	2.5	.2	.1	.1	.1	.1	.2	.3	.8	.7	.3	1.7	2.9	24	5.0	
18	1.2	.2	.1	.1	.1	.1	.1	.1	.2	.4	.4	1.7	1.7	1.4	2.1	1.6	1.6	.8	.2	.2	.1	.1	.3	.3	24	2.1	
19	.1	.2	.1	.1	.0	.0	.0	.2	3.5	.2	.2	.9	1.6	1.2	.9	.8	1.5	.2	.1	.2	.1	.2	.2	.1	24	3.5	
20	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.3	1.0	.4	.4	.3	.2	.4	.2	1.5	3.8	1.6	.5	.2	.1	24	3.8	
21	.1	.1	.2	.0	.0	.3	2.1	3.2	3.8	2.6	1.1	.3	.4	.1	.1	.3	.4	.4	.1	.0	.0	.0	.0	.0	24	3.8	
22	.0	.0	.0	.0	.0	.0	.0	.7	2.8	BF	BF	.5	.6	.7	.5	.5	.3	.2	.0	.0	.0	.0	.0	.0	22	2.8	
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.2	.1	.0	.0	.1	.1	.0	.0	.0	.0	24	.3	
24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.3	.3	.3	.2	.2	.1	.1	.1	.1	24	.3	
25	.0	.0	.0	.0	.0	.0	.0	.2	.5	.4	.5	.4	.3	.1	1.0	3.2	.6	.2	.2	.2	.2	.2	.2	.1	24	3.2	
26	.1	.1	.0	.0	.0	.0	.0	.0	.0	.3	1.3	1.0	.6	.3	.2	.2	.1	.4	1.9	1.8	.9	.4	.2	.1	24	1.9	
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	0.0	
28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.3	.2	.0	.0	.0	24	.3	
29	.0	.0	.0	.0	.1	.3	.5	.2	.0	.0	.0	.0	.1	.0	.0	.1	.4	.3	.7	.1	.0	.0	.0	.0	24	.7	
30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.1	.1	.1	.1	.1	.1	.2	.2	.3	.2	.1	.1	.0	24	.4	
31	.0	.0	.0	.0	.0	.0	.2	.6	.6	AZ	AZ	AZ	.6	.3	.2	.2	.2	.2	.0	.0	.0	.0	.3	.0	21	.6	
NO.:	31	31	31	31	31	31	31	31	31	29	29	29	31	31	31	31	31	31	31	31	31	31	31	31	31		
MAX:	1.2	.4	.3	.2	.3	.3	2.1	3.2	3.8	3.5	5.0	2.5	2.1	1.4	2.1	3.2	1.6	.8	1.9	3.8	1.6	.5	1.7	2.9			
AVG:	.09	.05	.04	.03	.02	.03	.14	.30	.53	.52	.55	.53	.40	.29	.27	.35	.30	.22	.27	.34	.21	.12	.17	.17			

MONTHLY OBSERVATIONS: 738 MONTHLY MEAN: .25 MONTHLY MAX: 5.0

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

(42401) Sulfur dioxide

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: ML 8850 ANALYZER/CHANGED TO API 100A 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: 7446-09-5  
 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: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JUNE 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	.0	.1	.1	.1	.1	.1	.1	.1	.3	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.4
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	24	.1	
3	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.1	.1	.1	.0	.0	.0	.1	.1	.1	.0	.0	.1	.1	.0	24	.2	
4	.0	.0	.0	.0	.0	2.8	.8	.3	.3	.3	.6	.3	.6	.2	.1	.1	.1	.1	.1	.1	.2	.4	.3	.3	24	2.8	
5	.3	1.0	1.1	.4	.1	.0	.1	.4	.3	BF	BF	.4	.4	.4	.2	.1	.1	.1	.1	.1	.1	.4	.0	.0	22	1.1	
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.8	.0	.0	.0	.0	.0	.0	.0	.0	24	1.2	
7	.0	.0	.0	.0	.0	.0	.1	.8	.4	.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	24	.8	
8	.0	.0	.0	.0	.0	.0	.4	.6	.4	.3	.2	.2	.2	.2	.2	.1	.1	.1	.1	.2	.2	.2	.5	.2	.1	24	.6
9	.1	.1	.0	.0	.0	.0	.0	.1	.3	.2	.2	.1	.1	.1	.0	AV	.0	.1	.1	.4	.2	.2	.2	.2	23	.4	
10	.1	.2	.2	.1	.1	.1	.4	.3	.2	.1	.1	.1	.3	.3	.2	.1	.1	.2	.2	.2	.2	.3	.4	.2	24	.4	
11	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.2	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	24	.4	
13	.0	.0	.0	.0	.0	.0	.0	.1	.3	1.3	.6	.4	1.2	1.6	1.7	1.6	2.1	.5	.3	.2	.2	.2	.1	.1	24	2.1	
14	.2	.1	.1	.1	.3	.1	.3	.2	.1	.2	.2	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0	24	.5	
15	.0	.0	.0	.0	.0	.0	.1	.4	1.5	.4	1.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.7	.4	24	1.5	
16	.1	.0	.0	.0	.0	.0	.2	.4	.9	.6	.2	.2	.1	.1	.1	.1	.2	.1	.1	.1	.1	.1	.1	.0	24	.9	
17	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.1	.1	.1	.2	.1	.1	.2	.2	.1	.0	.0	.0	.0	24	.2	
18	.0	.0	.1	.1	.0	.0	.2	.4	.5	.4	.5	.1	.2	.1	.1	.1	.0	.1	.3	.4	.3	.2	.1	.1	24	.5	
19	.1	.1	.1	.1	.1	.1	.3	.5	2.2	1.6	1.1	BF	.4	.3	.2	.3	.1	.1	.3	.3	.3	.2	.1	.1	23	2.2	
20	.1	.1	.1	.1	.1	.1	.6	1.5	.7	.5	.2	.2	.1	.2	.6	.4	.6	.2	.1	.2	.2	.3	.3	.3	24	1.5	
21	.2	.2	.1	.1	.0	1.3	2.6	7.4	2.8	1.2	.2	.3	.2	.2	.1	.1	.1	.2	.2	.4	.4	.5	.4	.3	24	7.4	
22	.1	.1	.1	.0	.0	.0	.1	.2	.1	.1	.1	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.2	
23	.0	.0	.0	.0	.0	.0	.0	.3	.5	.4	1.7	3.0	.7	1.0	1.8	1.1	.7	1.4	1.0	1.2	.7	.3	.2	.2	24	3.0	
24	.1	.1	.1	.1	.0	.0	.1	.3	.4	.4	.5	.3	.1	.1	.0	.0	.4	.5	.2	.2	.2	.0	.0	.0	24	.5	
25	.0	.0	.0	.0	.0	.0	.3	2.2	.3	.7	.1	.2	.2	.2	.2	.3	.3	.3	.5	.6	.6	.8	.8	.6	24	2.2	
26	1.5	2.2	.7	.5	.4	.4	.8	.9	.8	2.0	1.8	1.2	.3	.1	.1	.4	1.8	2.1	.3	.1	.1	.1	.2	.1	24	2.2	
27	.1	.1	.1	.2	.2	.2	.3	.5	.6	.5	.4	.2	.2	.1	.1	.2	.2	.3	.2	.3	.3	.2	.2	.2	24	.6	
28	.1	.1	.3	.1	.1	.2	.2	.2	.5	.6	1.1	1.0	.6	.6	.7	.6	1.0	1.1	1.3	1.0	.6	.6	.8	.7	24	1.3	
29	.6	.4	.5	.3	.3	.4	.3	.5	.9	1.8	1.9	1.4	1.1	1.0	.9	.9	.9	.8	.9	1.4	1.7	1.3	.0	.0	24	1.9	
30	.5	.2	.0	.0	.0	.0	.0	.1	.1	.1	.2	.3	.4	.5	.9	1.2	.9	.8	.7	.8	1.1	.4	.2	.5	24	1.2	
31																										0	
NO.:	30	30	30	30	30	30	30	30	30	29	29	29	30	30	30	29	30	30	30	30	30	30	30	30	30		
MAX:	1.5	2.2	1.1	.5	.4	2.8	2.6	7.4	2.8	2.0	1.9	3.0	1.2	1.6	1.8	1.6	2.1	2.1	1.3	1.4	1.7	1.3	.8	.7			
AVG:	.14	.17	.12	.08	.06	.19	.28	.63	.53	.50	.49	.43	.27	.25	.33	.29	.32	.32	.25	.27	.26	.27	.20	.15			

MONTHLY OBSERVATIONS: 716 MONTHLY MEAN: .28 MONTHLY MAX: 7.4

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

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: ML 8850 ANALYZER/CHANGED TO API 100A 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: 7446-09-5  
 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: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JULY 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	1.6	.9	.6	.5	.4	.3	.3	.3	.5	.9	AV	1.2	.5	.3	.2	.2	.2	.2	.2	.3	.3	.3	.5	1.1	23	1.6	
2	1.8	.0	AV	AV	AV	AV	AV	AV	AV	AV	AV	.2	.1	.1	.1	.1	.1	.1	.1	.2	.2	.3	.2	.1	15	1.8	
3	.1	.1	.1	.1	.1	.2	.2	.5	.4	BF	.4	.5	.5	.5	.4	.2	.2	.1	.1	.1	.1	.1	.1	.1	23	.5	
4	.1	.1	.1	.1	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.4	.5	.3	2.4	.4	24	2.4	
5	.2	.2	.1	.0	.0	.0	.1	.2	.3	.4	.6	.6	1.3	1.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	24	1.3	
6	.0	.0	.0	.0	.0	.0	.1	.3	1.5	1.5	1.3	1.2	1.4	1.2	.9	1.9	1.2	.3	.5	.2	.3	.3	.8	.5	24	1.9	
7	.2	.4	.4	.3	.2	.1	.2	.2	.5	.3	.2	.2	.2	.1	.1	.1	.1	.2	.6	.7	.7	1.0	.7	.5	24	1.0	
8	.4	.4	.3	.3	.2	.2	.2	.2	.3	.4	.4	.4	.3	.6	.7	.5	.4	.4	.4	.6	.5	.5	.4	.6	.6	24	.7
9	2.2	1.0	.2	.3	.2	.1	.2	.3	AV	AV	1.4	.7	1.3	1.7	1.5	1.1	1.0	.7	.3	.2	.0	.0	.0	.0	22	2.2	
10	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6	.2	.2	.1	.1	.2	.0	.5	1.7	1.0	.1	.0	.0	.0	.0	24	1.7	
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.1	.0	.1	.0	.0	.0	.0	.0	.1	.9	.2	.2	.3	24	.9	
12	.1	.3	.5	.6	.8	.8	.8	.6	.7	.5	.5	.6	.5	1.3	1.4	1.3	1.2	.9	.5	.3	.3	.2	.1	.1	24	1.4	
13	.1	.1	.1	.0	.0	.0	.1	1.2	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	1.2	
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	0.0	
15	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.3	.2	.1	.0	.0	.0	24	.3	
16	.0	.0	.0	.0	.0	.2	2.6	1.3	.9	4.0	1.2	.1	.1	.1	.0	1.0	.4	1.5	.1	.1	.0	.0	.0	.0	24	4.0	
17	.0	.0	.0	.0	.0	.0	1.9	.3	.4	.6	BC	.5	.5	.5	.4	.4	.4	.2	.1	.1	.2	.2	.4	1.5	23	1.9	
18	1.3	.6	.4	.2	.1	.1	2.5	.4	1.7	.6	.7	.0	.0	.0	.1	.1	.3	.0	.0	.0	.0	.0	.0	.0	24	2.5	
19	.0	.0	.0	.0	.0	.0	2.7	.2	.9	.4	.1	.2	.1	.0	.0	.0	.0	.0	.1	.0	.2	.1	.2	.0	24	2.7	
20	.0	.0	.0	-.1	-.1	-.1	.0	.7	1.6	.8	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	1.6	
21	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	0.0	
22	.0	-.1	-.1	-.1	.0	-.1	-.1	-.1	.0	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.5	
23	.0	.0	.0	.0	.0	.0	.5	.1	.5	.0	.0	.0	.1	.2	.0	.3	.0	.5	.0	.0	.0	.0	.0	.0	24	.5	
24	.0	.0	.0	.0	.0	.0	8.8	2.0	.7	.2	.0	.0	.0	.0	.0	.0	.0	1.8	.2	.0	.0	.0	.0	.0	24	8.8	
25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.2	.2	.5	.4	.4	.3	.3	1.4	1.4	.5	.5	.4	.3	24	1.4	
26	.1	.2	.2	.1	.0	.0	.4	3.8	2.3	.1	.1	.0	.1	.0	.0	.0	.0	.0	.1	.8	1.3	1.6	.7	.5	24	3.8	
27	.6	.2	.1	.1	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.6	
28	.0	.0	.0	.0	.0	-.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.1	
29	.0	.0	.0	.0	.0	.0	.1	.4	.5	.3	.2	.1	.1	.1	.1	.0	.4	.0	.0	.0	.1	.0	.0	.0	24	.5	
30	.0	.0	.0	.0	.0	.2	.4	1.2	1.9	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	1.9	
31	.0	.0	.0	.0	.0	-.1	-.1	.0	.3	.1	BF	.0	.0	.0	.0	.0	.2	.1	.0	.1	.4	.4	.6	.4	23	.6	
NO.:	31	31	30	30	30	30	30	30	29	28	27	31	31	31	31	31	31	31	31	31	31	31	31	31			
MAX:	2.2	1.0	.6	.6	.8	.8	8.8	3.8	2.3	4.0	1.4	1.2	1.4	1.7	1.5	1.9	1.2	1.8	1.4	1.4	1.3	1.6	2.4	1.5			
AVG:	.28	.14	.10	.08	.06	.06	.73	.48	.59	.52	.33	.24	.25	.28	.22	.25	.23	.29	.20	.19	.21	.19	.25	.21			

MONTHLY OBSERVATIONS: 729 MONTHLY MEAN: .26 MONTHLY MAX: 8.8

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

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: ML 8850 ANALYZER/CHANGED TO API 100A 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: 7446-09-5  
 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: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: AUGUST 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	.3	.2	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.4	.4	.3	24	2.2
2	.5	.4	.1	.0	.0	1.0	1.5	.2	.4	1.8	1.7	.9	.4	.3	.2	.1	.0	.0	.0	.1	.1	.0	.3	.2	24	1.8
3	.1	.1	.1	.0	.0	.0	.0	.3	.3	.2	.1	.2	.2	.1	.7	.7	.3	.1	.1	.1	.2	.0	.1	.0	24	.7
4	.0	.0	.1	.1	.0	.0	.0	.9	.7	.0	.0	.1	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.1	.6	24	.9
5	.6	1.2	1.2	1.1	1.5	.8	1.6	2.5	1.6	.5	.3	.2	.1	.0	.0	.2	.0	.0	.1	.1	.4	1.3	.6	.6	24	2.5
6	.3	.6	.3	.0	.0	.0	.0	.1	.1	.2	.3	.1	.4	.1	.2	.1	.4	.0	.0	.0	.0	-.1	-.1	-.1	24	.6
7	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.1	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	24	.2
8	.0	.0	-.1	-.1	-.1	-.1	.2	2.2	4.3	.1	.2	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	4.3
9	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.1	.5	.5	.1	.0	.0	.0	.1	.0	-.1	-.1	24	.5
10	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	0.0
11	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.1	-.1	-.1	-.1	24	0.0
12	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.1	.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	24	.3
13	.0	.0	.0	.0	.0	.0	.1	.4	.2	.1	.4	2.2	.3	.2	.5	.7	.5	.4	.6	.8	.5	.2	.3	.4	24	2.2
14	.1	.1	.0	.0	.0	.1	.2	1.1	6.1	.8	BF	.2	.1	.3	.7	.3	.1	.2	.6	.1	.1	.0	.0	.0	23	6.1
15	.0	.0	.0	.0	-.1	-.1	-.1	.0	5.5	3.7	.1	.3	.7	.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	24	5.5
16	.0	.0	.0	.0	.0	.0	.0	.6	.2	.4	1.1	1.2	.8	.3	.2	.2	.2	.2	.4	.3	.2	.1	.1	.1	24	1.2
17	.0	.0	.0	.0	.0	.0	.0	.1	.8	.3	.2	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.8
18	.0	-.1	.0	-.1	-.1	-.1	-.1	.0	.3	.7	1.4	.2	.2	.1	.0	.1	.0	.1	.2	.5	.3	.3	.3	.1	24	1.4
19	.0	.0	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	.0	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	0.0
20	.0	.0	-.1	-.1	-.1	-.1	-.1	.0	.1	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	-.1	24	.1
21	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.3	.4	.3	.3	.2	.2	.3	.4	.3	.1	.1	.1	.0	.0	.1	.1	24	.4
22	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	-.1	-.1	.0	.0	24	.4
23	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.8	1.8	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	1.8
24	.0	.0	.0	-.1	-.1	-.1	-.1	.0	.5	.7	.7	.2	.1	.4	.7	.6	.1	.1	.0	.0	.0	.0	.0	.0	24	.7
25	.0	.0	.1	.1	.0	.0	.0	.1	.2	.6	1.3	.0	.0	.0	.0	.0	.0	.0	.5	.0	.1	.0	.0	.0	24	1.3
26	.0	.0	.0	-.1	-.1	.0	-.1	.0	.1	.1	.5	.5	1.0	.9	1.0	1.0	.6	.0	.0	.0	.0	.0	.0	.0	24	1.0
27	-.1	-.1	-.1	-.1	-.1	-.1	.0	.1	.3	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	24	.5
28	.0	.0	.0	.0	-.1	.0	.1	.4	1.3	2.1	BF	.5	.2	.3	.1	.0	.0	.0	.1	.0	-.1	-.1	-.1	-.1	23	2.1
29	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.5	.8	.3	.4	.4	.2	.1	.2	.2	.2	.1	.1	.0	.0	.0	.0	24	.8
30	.0	.0	.0	.0	.0	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	24	.2
31	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6	.2	.1	24	.6
NO.:	31	31	31	31	31	31	31	31	31	31	29	31	31	31	31	31	31	31	31	31	31	31	31	31	31	
MAX:	.6	1.2	1.2	1.1	1.5	1.0	1.6	2.5	6.1	3.7	1.7	2.2	1.0	.9	1.0	1.0	.6	.4	.6	.8	.5	1.3	.6	.6		
AVG:	.03	.05	.02	-.01	-.01	.01	.07	.36	.80	.51	.34	.28	.17	.12	.18	.17	.10	.05	.10	.08	.08	.09	.07	.06		

MONTHLY OBSERVATIONS: 742 MONTHLY MEAN: .15 MONTHLY MAX: 6.1

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

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: ML 8850 ANALYZER/CHANGED TO API 100A 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: 7446-09-5  
 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: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: SEPTEMBER 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	.0	.0	.0	.0	-.1	.0	.0	.0	.4	.3	.1	.1	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.4
2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	.4	.2	.1	.0	.1	.0	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	24	.6
3	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.1	24	0.0	
4	-.1	-.1	.0	.0	.1	.1	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.1	-.1	.0	-.1	24	.1	
5	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	.0	.0	.1	.0	24	.2	
6	.0	.0	.0	.0	.0	.0	.0	.2	.4	.3	.6	.3	.0	.0	.0	.0	.0	1.1	.0	.0	.0	-.1	.0	-.1	24	1.1	
7	-.1	-.1	-.1	.0	-.1	-.1	.0	.2	1.4	1.2	.7	1.9	.9	.1	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	24	1.9	
8	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.0	.2	.3	.6	.0	.0	.0	-.1	-.1	.0	-.1	.0	.0	.0	.0	24	.6
9	.1	.1	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.2	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	24	.2
10	.2	.0	.0	.0	.0	.0	.1	.2	1.1	.4	.4	.5	.3	.2	.1	.0	.0	.1	.2	.3	.1	.1	.0	.1	24	1.1	
11	.1	.0	.0	.0	.0	.0	.0	.2	.2	.3	BF	BF	.3	.3	.3	.2	.2	.2	.2	.2	.1	.0	.0	.0	.0	22	.3
12	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.4	.3	.2	.2	.2	.2	.2	.2	.2	.2	.1	.0	.0	.0	.0	24	.4
13	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.4	.8	.4	.1	.1	.1	.1	.1	.1	.2	.1	.0	.0	.0	.0	24	.8
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	24	.1
15	.0	.0	.1	.0	.0	.0	.0	.1	.5	1.1	1.4	.4	.3	.2	.2	.1	.1	.1	.1	.1	.2	.3	.2	.1	24	1.4	
16	.0	.0	.0	.0	.0	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.1	-.1	24	0.0	
17	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.1	-.1	-.1	-.1	24	0.0	
18	-.1	-.1	.0	.0	.0	.0	.0	-.1	-.1	.0	.0	-.1	AZ	AZ	.0	.2	.2	.0	.0	.0	.0	.0	-.1	-.1	22	.2	
19	-.1	.0	.0	.0	.0	.0	.0	.1	.2	.1	.0	.0	.3	.6	.2	.0	.0	.0	.0	.0	.0	.0	-.1	-.1	24	.6	
20	-.1	-.1	-.1	.0	.0	-.1	.0	.0	.1	.3	.3	.3	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	2.0	.3	24	2.0	
21	.1	.0	.0	.0	.0	.0	.1	.2	.3	.3	.5	.2	.2	.1	.1	.1	.0	.0	.1	.1	.0	.0	.2	.0	24	.5	
22	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.2	.3	.3	.3	.2	.5	.3	.2	.1	.0	.0	.0	.0	.0	24	.5
23	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5	.4	.3	.1	.1	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	24	.5
24	.0	.0	.0	.0	.0	.0	.1	1.3	.4	.2	.2	.3	.5	.3	.5	.7	.7	.5	.3	.3	.1	.0	.0	.0	.0	24	1.3
25	.0	.0	.0	.0	.0	.0	.3	.2	1.1	.4	BF	.5	.5	.4	.4	.4	.3	.5	.5	.4	.3	.1	.1	.0	23	1.1	
26	.0	.0	.0	.0	.0	.0	.0	.2	.6	1.0	1.0	.7	.4	.3	.3	.3	.4	.4	.4	.3	.2	.1	.0	.0	24	1.0	
27	.0	.0	.0	.0	.0	.0	.0	.1	.6	3.3	.7	.6	.3	.2	.2	.3	.2	.2	.3	.2	.1	.1	.2	.0	24	3.3	
28	.0	.2	.0	.0	.0	.0	.1	.1	.4	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.4
29	.0	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	-.1	-.1	.0	.0	-.1	-.1	-.1	.0	.3	.1	24	.3	
30	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	24	.1
31																										0	
NO.:	30	30	30	30	30	30	30	30	30	30	28	29	29	29	30	30	30	30	30	30	30	30	30	30	30		
MAX:	.2	.2	.1	0.0	.1	.1	.3	1.3	1.4	3.3	1.4	1.9	.9	.6	.5	.7	.7	1.1	.5	.4	.3	.3	2.0	.3			
AVG:	-.01	-.02	-.02	-.02	-.02	-.02	.01	.09	.31	.38	.29	.28	.21	.16	.11	.11	.12	.13	.09	.07	.02	.01	.09	-.01			

MONTHLY OBSERVATIONS: 715 MONTHLY MEAN: .10 MONTHLY MAX: 3.3

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

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: ML 8850 ANALYZER/CHANGED TO API 100A 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: 7446-09-5  
 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: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: OCTOBER 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	24	0.0
2	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	-.1	-.1	.0	.0	24	.2
3	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.1	.4	.1	.4	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	24	.4
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0	24	.1
5	.0	.0	.0	.0	.0	.0	.2	.2	.5	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	24	.5
6	.0	.0	.0	.0	.0	.0	-.1	-.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.1
7	.2	.4	.6	.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.1	.0	-.1	24	.7
8	.0	.2	.1	.2	.2	.2	.5	.2	.1	.3	.4	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.5
9	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.3	.8	BF	BF	.0	.9	.7	.1	.1	.1	.1	.0	.0	.0	.0	.0	22	.9
10	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	0.0
11	.0	.0	.0	.0	.0	.0	.0	.2	1.0	.9	.8	.6	.5	.8	.5	.4	.2	.3	.3	.2	.1	.0	.0	.0	24	1.0
12	.0	.0	.0	.0	.0	.0	.1	.2	.1	.3	.5	.5	.5	.4	.2	.2	.2	.2	.2	.6	1.0	1.0	.9	1.3	24	1.3
13	.7	.5	.3	.3	.2	.2	.2	.5	.5	.3	.2	.3	.4	.5	.8	.6	.4	.5	.4	.2	.2	.1	.0	.0	24	.8
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7	.4	.2	.1	.0	.0	.0	.0	.0	.0	.3	.2	.2	.1	24	.7
15	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.1	BC	.0	.0	.0	.5	1.3	.0	.0	.0	.0	.0	.0	.0	.0	23	1.3
16	.0	.0	.0	.0	.0	.0	.0	.2	.5	.5	.4	.4	.3	.4	.6	.7	.5	.3	.2	.1	.1	.1	.0	.0	24	.7
17	.0	.0	.0	.0	.0	.0	.0	.2	.2	BC	.7	.6	.5	.4	.3	.3	.4	.5	.4	.2	.2	.1	.0	.0	23	.7
18	.0	.0	.0	.0	.0	.0	.0	.1	.8	.5	.1	.1	BC	.4	.4	1.0	.5	.4	.4	.4	.2	.2	.2	.2	23	1.0
19	.1	.1	.1	.1	.1	.1	.2	.4	.3	.3	.2	.2	.4	.6	.3	.3	.2	.3	.3	.2	.2	.3	.3	.3	24	.6
20	.2	.2	.1	.2	.1	.2	.2	.3	.5	.4	.3	.3	.5	.8	.4	.3	.4	.6	.3	.2	.2	.2	.2	.2	24	.8
21	.2	.2	.2	.1	.1	.1	.1	.2	.3	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.3	.4	.3	.3	.2	24	.4
22	.3	.3	.3	.3	.2	.5	.5	.7	.9	1.2	1.6	3.2	1.4	1.4	1.4	1.1	.9	1.1	.9	.7	.5	.5	.5	.4	24	3.2
23	.3	.3	.2	.2	.2	.3	.5	.8	6.4	10.9	BF	.7	.6	.5	.5	.9	.9	.6	.6	.6	.6	.7	.6	.4	23	10.9
24	.3	.3	.3	.2	.2	.2	.4	.5	2.0	13.0	5.9	2.4	1.2	1.6	1.3	.7	.7	.6	.8	.6	.6	.6	.4	.3	24	13.0
25	.3	.3	.2	.2	.2	.3	.4	.6	1.2	1.3	.9	1.1	1.0	.8	.6	.4	.3	.3	.4	.5	.3	.3	.2	.2	24	1.3
26	.2	.1	.2	.2	.2	.2	.2	.3	.2	.3	.6	.8	.5	.3	.3	.3	.3	.3	.4	.3	.2	.3	.3	.2	24	.8
27	.2	.2	.3	.3	.2	.1	.1	.2	.2	.2	.1	.2	.1	.1	.2	.1	.1	.2	.4	.7	.2	.2	.2	.2	24	.7
28	.3	.5	.5	.6	.6	.5	.4	.4	.4	.4	.3	.3	.2	.2	.3	.5	.4	.1	.1	.1	.1	.1	.2	.2	24	.6
29	.2	.2	.2	.2	.3	.3	.4	.4	.4	.4	.4	.5	.5	.4	.3	.3	.3	.3	.3	.2	.2	.2	.2	.2	24	.5
30	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.3	.2	.3	.2	.7	2.4	3.0	.4	.4	.3	.3	.3	.2	24	3.0
31	.3	.2	.2	.2	.2	.2	.2	.3	.4	.8	1.3	.6	.5	.5	.5	.4	.4	.7	.6	.7	.6	.5	.5	.6	24	1.3
NO.:	31	31	31	31	31	31	31	31	31	30	28	30	30	31	31	31	31	31	31	31	31	31	31	31		
MAX:	.7	.5	.6	.7	.6	.5	.5	.8	6.4	13.0	5.9	3.2	1.4	1.6	1.4	1.3	2.4	3.0	.9	.7	1.0	1.0	.9	1.3		
AVG:	.12	.13	.12	.13	.11	.11	.15	.22	.56	1.13	.60	.49	.36	.40	.35	.35	.33	.35	.25	.23	.21	.20	.18	.16		

MONTHLY OBSERVATIONS: 738 MONTHLY MEAN: .30 MONTHLY MAX: 13.0

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

(42401) Sulfur dioxide

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: ML 8850 ANALYZER/CHANGED TO API 100A 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: 7446-09-5  
 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: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: NOVEMBER 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	.6	.7	.8	1.0	.6	.4	.4	.5	.5	.4	.4	.3	.3	.2	.2	.2	.2	.3	.3	.5	.5	.5	.7	.8	24	1.0	
2	.6	.4	.4	.6	.6	1.0	.8	1.1	.8	.9	1.0	.9	1.0	1.3	1.0	1.2	1.4	1.3	1.2	1.1	.9	.8	.6	.6	24	1.4	
3	.5	.4	.4	.4	.4	.5	.5	.6	.8	.8	.7	.7	.7	.7	.8	.8	.8	.8	.9	.8	.8	.8	.8	.7	24	.9	
4	.6	.5	.8	.8	.7	.8	1.1	1.4	1.3	1.0	1.4	2.3	2.5	2.3	2.2	2.3	3.1	2.5	1.5	1.0	.7	.6	.6	.5	24	3.1	
5	.4	.4	.3	.2	.2	.2	.3	.6	1.8	1.5	1.3	1.3	1.2	1.0	.9	.8	.8	1.3	1.7	1.3	.9	.8	1.9	2.1	24	2.1	
6	1.3	1.0	.8	.7	1.0	1.1	1.0	1.0	1.1	1.6	1.9	1.5	BF	2.9	2.5	2.1	1.6	.8	.7	.6	.6	.6	.7	.5	23	2.9	
7	.4	.5	.4	.4	.3	.3	.3	.4	.8	1.7	1.2	1.6	.9	.7	.7	.7	.7	.7	.7	.9	.8	.7	.5	.5	24	1.7	
8	1.4	1.3	.7	.5	.4	.4	.5	1.2	1.7	1.7	1.5	1.2	1.1	1.1	1.1	1.1	1.1	1.3	1.5	1.5	1.8	1.7	1.8	1.6	24	1.8	
9	1.6	1.6	1.7	1.5	1.3	1.1	.9	1.1	1.6	1.1	.8	.9	1.0	.9	1.0	.6	.6	.6	.8	.9	.9	.9	1.1	1.1	24	1.7	
10	1.1	1.1	.9	1.0	1.0	.8	.9	.7	.8	.9	1.1	.8	2.6	1.6	.6	.4	.4	.6	.9	.9	1.0	1.0	1.7	1.5	24	2.6	
11	1.4	1.3	1.6	1.1	1.3	1.6	1.7	1.8	2.2	2.3	1.7	1.9	1.9	1.0	.9	.7	.5	.7	1.1	1.2	1.2	1.0	.8	.7	24	2.3	
12	.5	.4	.3	.3	.2	.2	.2	.1	.2	.3	.3	.3	.4	.4	.3	.3	.3	.3	.3	.3	.4	.4	.4	.4	24	.5	
13	.4	.2	.1	.1	.1	.1	.1	.1	.1	.2	.3	.8	1.0	1.1	1.1	1.1	1.0	.9	.9	1.0	1.1	1.0	2.1	3.1	24	3.1	
14	1.4	.5	.5	.4	.5	.8	.9	.9	1.1	1.1	1.0	.9	.8	.9	.9	.8	.8	1.0	1.1	.9	.8	.7	.9	24	1.4		
15	.9	1.0	.8	.8	.9	.6	.5	.7	1.2	3.7	6.2	3.9	5.4	1.1	.8	.7	.7	.8	.8	.6	.5	.4	.4	.3	24	6.2	
16	.3	.2	.2	.2	.2	.2	.2	.3	.3	2.4	4.4	3.2	3.9	3.0	2.7	2.6	2.3	1.9	1.4	1.3	1.3	1.5	1.3	1.0	24	4.4	
17	1.0	.9	.7	.9	1.3	1.7	2.3	1.5	1.7	1.2	2.1	2.2	1.8	.8	1.6	.9	.6	.6	.6	.6	.6	.6	1.1	1.9	24	2.3	
18	1.2	.8	.8	1.1	1.1	1.0	.6	.6	1.0	1.3	1.2	.5	1.3	1.8	1.1	.8	.4	.5	1.0	1.9	1.1	1.5	1.0	1.3	24	1.9	
19	.6	.5	.6	1.3	.6	.4	.4	.4	.4	.7	3.0	BF	1.7	.3	.3	.2	2.4	5.4	.7	.5	.5	.3	.3	.3	23	5.4	
20	.2	.2	.2	.2	.3	.6	.5	.5	.8	1.8	1.6	1.0	1.1	1.2	1.5	1.8	1.6	1.7	1.8	1.4	1.0	.9	.9	.8	24	1.8	
21	.5	.3	.2	.2	.2	.2	.2	.2	.2	1.6	1.9	5.6	9.3	2.8	1.5	3.1	2.7	2.6	2.2	1.8	2.3	2.5	2.0	1.9	24	9.3	
22	1.8	1.2	.9	.8	.8	.8	.7	.6	.9	7.4	5.9	4.2	6.4	5.2	3.4	3.4	2.8	1.5	1.4	1.2	.9	1.1	1.0	.9	24	7.4	
23	.8	1.0	1.0	.9	.7	.7	.7	.8	.9	1.2	2.7	1.3	1.1	1.2	1.6	1.1	1.6	1.6	1.2	1.1	.8	.4	.4	.4	24	2.7	
24	.4	.5	.5	.5	.4	.3	.4	.4	.6	.5	.3	.3	.3	.3	.3	.3	.4	.4	.4	.3	.2	.2	.3	.3	24	.6	
25	.3	.3	.3	.3	.3	.3	.3	.3	.5	.7	1.7	2.5	2.9	3.2	3.2	2.2	1.0	1.1	2.0	1.8	1.1	1.4	3.5	4.5	24	4.5	
26	4.8	3.1	2.8	2.8	1.9	1.5	1.2	1.5	2.9	3.6	2.3	.9	1.1	.7	.6	.5	4.8	4.7	2.2	2.8	2.9	2.5	2.7	2.5	24	4.8	
27	2.4	2.8	5.9	4.8	2.8	3.1	1.4	1.1	1.5	2.2	2.9	5.9	2.9	1.4	1.0	.7	.6	.6	1.5	1.8	.8	.8	1.0	24	5.9		
28	.8	.5	.5	.4	.3	.3	.4	.3	.3	.6	1.1	1.0	.9	.9	.7	.5	.4	.5	.7	.6	.5	.5	.5	.4	24	1.1	
29	.4	.4	.3	.4	.4	.3	.6	1.0	1.4	1.3	1.3	1.3	1.3	1.5	1.3	1.5	1.5	1.4	1.4	1.3	1.1	.9	1.0	.8	24	1.5	
30	.6	.5	.5	.5	.4	.5	.6	.6	.7	1.1	2.2	2.6	2.2	2.6	2.7	1.9	2.6	4.4	4.5	3.6	2.7	2.1	1.4	.9	24	4.5	
31																										0	
NO.:	30	30	30	30	30	30	30	30	30	30	30	29	29	30	30	30	30	30	30	30	30	30	30	30	30		
MAX:	4.8	3.1	5.9	4.8	2.8	3.1	2.3	1.8	2.9	7.4	6.2	5.9	9.3	5.2	3.4	3.4	4.8	5.4	4.5	3.6	2.9	2.5	3.5	4.5			
AVG:	.97	.82	.86	.84	.71	.73	.69	.74	1.00	1.56	1.85	1.79	2.03	1.47	1.28	1.18	1.32	1.42	1.21	1.18	1.06	.97	1.10	1.14			

MONTHLY OBSERVATIONS: 718 MONTHLY MEAN: 1.16 MONTHLY MAX: 9.3

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

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: ML 8850 ANALYZER/CHANGED TO API 100A 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: 7446-09-5  
 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: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: DECEMBER 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	.7	.6	.6	.6	.6	.8	.7	.9	.8	1.1	1.2	.7	.5	.5	.4	.4	.4	.5	.6	.6	.5	.5	.5	.5	24	1.2
2	.4	.3	.3	.2	.4	.3	.3	.4	.4	.7	2.4	2.6	1.5	1.0	.7	.6	.6	.6	.6	.6	.6	.5	.5	.3	24	2.6
3	.3	.3	.4	.4	.3	.3	.3	.4	5.6	.7	1.1	BF	2.1	1.0	.9	.4	.4	.7	.7	.7	.6	.6	.7	23	5.6	
4	.5	.3	.3	.3	.2	.2	.2	.4	.5	.3	1.1	1.7	.8	.5	.9	.5	.4	.4	.4	.4	.4	.5	.5	.5	24	1.7
5	.4	.3	.4	.4	.4	.3	.4	.4	1.4	5.1	1.0	.5	.2	.2	.2	.3	.5	.7	.8	.8	.8	.9	1.0	24	5.1	
6	1.1	1.3	1.5	1.4	1.1	1.1	1.2	1.1	1.1	1.1	1.3	1.7	2.5	3.0	3.0	2.9	4.3	4.2	2.0	1.4	1.8	1.6	2.0	2.2	24	4.3
7	2.1	1.9	1.7	1.3	1.2	1.1	1.0	.9	.9	.8	.8	.8	.7	.6	.7	.7	.4	.3	.3	.5	.3	.3	.8	.4	24	2.1
8	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2	.3	.3	.3	.3	.4	.5	.5	.5	.5	.4	.4	1.1	.4	24	1.1	
9	.3	.3	.3	.2	.2	.2	.2	.2	.2	.2	.4	.6	.5	.5	.4	.3	.4	.3	.3	.2	.2	.1	.5	.2	24	.6
10	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.5	.3	.3	.3	.3	.3	1.6	.4	.3	.2	.2	.6	.3	24	1.6
11	.3	.3	.2	.2	.2	.3	.3	.3	.3	.3	.3	.3	.2	.2	.8	2.9	1.3	.3	.2	.2	.2	.9	1.1	24	2.9	
12	1.2	1.3	1.2	1.2	1.3	2.2	1.8	2.6	3.2	3.5	2.7	2.0	3.2	3.9	4.0	3.9	1.4	1.7	1.6	1.3	1.5	1.5	1.7	2.0	24	4.0
13	1.9	1.4	1.5	2.0	3.3	2.1	4.4	2.5	2.8	3.6	6.5	3.3	AZ	AZ	AZ	5.4	3.8	5.4	3.3	1.8	1.5	1.4	1.0	1.2	21	6.5
14	1.5	1.3	.8	.9	1.0	.8	1.1	1.0	1.4	1.0	1.2	BF	1.3	1.0	BF	BF	.8	1.0	1.1	1.7	1.6	1.1	1.4	1.3	21	1.7
15	1.4	1.5	1.2	1.1	1.3	1.0	1.2	1.1	1.2	1.9	3.4	3.8	1.7	1.1	.7	.8	1.1	.9	.7	.8	.7	1.1	.7	1.2	24	3.8
16	.7	1.2	1.2	.7	.5	.4	.3	.3	.4	.6	.4	.5	.6	.5	.4	.4	.3	.3	.2	.2	.2	.2	.2	.2	24	1.2
17	.2	.2	.1	.2	.1	.1	.2	.5	.4	.3	.2	.3	.6	.3	.2	.3	.2	.2	.2	.3	.2	.2	.1	.2	24	.6
18	.1	.2	.1	.1	.1	.1	.1	.2	.2	.6	.3	.4	.6	.6	.5	.4	.3	.3	.2	.2	.3	.4	.4	.4	24	.6
19	.8	.5	.3	.2	.3	.3	.4	3.0	3.9	.9	.9	1.6	.7	1.1	1.3	1.2	1.1	.9	1.5	1.7	1.5	1.2	.8	.8	24	3.9
20	.7	.7	.8	.7	.7	.8	.8	.8	.8	1.0	1.0	.9	.7	.7	.7	.6	.5	.4	.3	.2	.2	.2	.2	.2	24	1.0
21	.2	.2	.2	.2	.2	.3	.3	.2	.2	.4	BF	.3	.3	.4	.6	.6	.5	.4	.4	.3	.3	.3	.3	.2	23	.6
22	.2	.2	.3	.2	.2	.3	.3	.3	.3	.3	.3	.3	.4	.5	.6	.5	.4	.4	.6	.6	.7	.7	.9	.8	24	.9
23	.7	.7	.6	.6	.5	.4	.5	.5	.6	.8	.5	1.1	2.0	.6	.5	.5	.4	.6	.9	.8	.8	.7	.6	.6	24	2.0
24	.6	.6	.6	.6	.6	.5	.3	.3	.2	.2	.3	.3	.4	.4	.3	.3	.3	.2	.2	.2	.2	.2	.2	.2	24	.6
25	.2	.2	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.3	1.4	1.0	.6	.6	.7	.5	.4	.6	.5	.9	.9	24	1.4
26	.7	.5	.4	.5	.5	.4	.3	.2	.2	.2	.2	.2	1.5	.6	1.9	1.8	.5	.3	.2	.2	.2	.2	.2	.2	24	1.9
27	.2	.3	.3	.3	.3	.4	.3	.3	.5	.5	.5	.4	.4	.3	.3	.3	.3	.4	.3	.3	.3	.3	.3	.3	24	.5
28	.3	.3	.3	.4	.3	.2	.2	.3	.4	.8	.8	.8	.7	.7	.7	.7	.6	.6	.6	.6	.6	.7	.5	.4	24	.8
29	.5	.5	.4	.3	.3	.2	.2	.2	.2	.3	.4	.5	.5	.3	.3	.3	.3	.5	.3	.3	.4	.8	1.4	1.6	24	1.6
30	1.4	1.0	.9	.6	.4	.4	.5	.6	.6	.6	.5	.4	.5	.5	.5	.5	.5	.6	.6	.5	.5	.5	.4	.5	24	1.4
31	.4	.4	.4	.5	.4	.6	.7	.5	.5	.6	.9	1.0	.6	1.0	1.3	.6	1.0	.7	.6	.7	1.0	1.1	.9	.9	24	1.3
NO.:	31	31	31	31	31	31	31	31	31	31	30	29	30	30	29	30	31	31	31	31	31	31	31	31		
MAX:	2.1	1.9	1.7	2.0	3.3	2.2	4.4	3.0	5.6	5.1	6.5	3.8	3.2	3.9	4.0	5.4	4.3	5.4	3.3	1.8	1.8	1.6	2.0	2.2		
AVG:	.66	.62	.57	.54	.56	.53	.61	.67	.95	.93	1.04	.97	.89	.80	.83	.99	.78	.85	.68	.62	.63	.61	.71	.70		

MONTHLY OBSERVATIONS: 736 MONTHLY MEAN: .74 MONTHLY MAX: 6.5

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-119-0041 POC: 2  
 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: 7446-09-5  
 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: (560) INSTRUMENTAL Pulsed Fluorescent 43

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

REPORT FOR: JANUARY 2012

DURATION: 1 HOUR

UNITS: Parts per billion

MIN DETECTABLE: .2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	1.3	1.5	1.6	1.6	1.2	.2	.1	.0	.1	.5	.5	.6	.9	.7	.4	.2	.1	.1	.1	.0	.0	.0	.0	.0	24	1.6	
2	.0	.0	.0	.0	.0	.2	.1	.2	.6	.4	.3	.3	.2	.1	.1	.4	.3	.1	.0	.0	.1	.2	.3	.1	24	.6	
3	.0	.0	.3	.2	.1	.3	.3	.4	BF	BF	.5	.5	.5	.4	.5	.3	.3	.3	.3	.3	.4	.3	.4	.4	22	.5	
4	.3	.5	.4	.5	.6	.6	1.0	1.6	.9	1.1	1.2	.8	.6	.5	.3	.1	.2	.3	.4	.2	.2	.4	.7	24	1.6		
5	.7	.8	.9	.9	.7	.6	.6	2.8	2.5	2.4	1.3	.9	.7	.7	.6	.5	.3	.5	.6	.6	1.3	1.4	.9	.4	24	2.8	
6	.4	.4	.4	.4	.2	.2	.5	1.3	1.2	1.3	1.5	1.6	1.0	.7	.7	.3	.2	.2	.2	.4	.5	.3	.3	.3	24	1.6	
7	.2	.2	.2	.2	.2	.1	.1	.1	.3	.7	.9	.8	.6	.5	.4	.3	.3	.2	.2	.1	.1	.0	.0	.0	24	.9	
8	.0	.0	.0	.0	.2	.1	.2	.3	.2	.0	.3	.6	.7	.8	.8	.8	.8	.8	.6	.2	.4	.4	.3	.3	24	.8	
9	.2	.3	.2	.1	.2	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.3	
10	.0	.2	.1	.1	.0	.0	.0	.0	.0	.1	.1	.1	.2	.2	.2	.2	.1	.0	.1	.1	.0	.0	.0	.0	24	.2	
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	24	.1	
12	.0	.0	.0	.0	.0	.0	.0	.0	BF	BF	.1	.1	.0	.0	.0	.0	.0	.0	.1	.4	.4	.2	.0	.0	22	.4	
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1	.1	.2	.1	.1	.1	.0	.0	.0	2.6	3.2	1.4	24	3.2	
14	1.2	.8	.4	.1	.1	.2	.4	.4	.5	.3	.2	.3	.5	.5	.6	.5	.2	.1	.1	.1	.1	.2	.2	.3	24	1.2	
15	.3	.4	.4	.3	.3	.3	.3	.1	.3	.7	.7	.8	1.1	1.0	.7	.4	.4	.4	.3	.5	1.1	.5	.2	.2	24	1.1	
16	.1	.2	.2	.2	.1	.0	.1	AV	AV	AV	AV	AV	AV	AV	AV	.8	1.2	.6	.5	.5	.6	.4	.3	.5	16	1.2	
17	.9	1.1	.6	.3	.4	.6	.6	.5	.5	1.0	1.5	1.0	.5	.4	.5	.2	.2	.1	.1	.1	.1	.0	.0	.0	24	1.5	
18	.0	.0	.0	.0	.1	.1	.6	.8	.6	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.2	.5	.8	1.1	24	1.1	
19	1.1	1.0	.8	.7	1.0	.8	.5	.8	BF	BF	.9	.9	.8	.8	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	12	1.1
20	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
21	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
22	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
23	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
24	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
25	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
26	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BC	BC	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
27	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
28	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
29	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
30	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
31	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
NO.:	19	19	19	19	19	19	19	18	15	15	18	18	18	18	17	18	18	18	18	18	18	18	18	18	18		
MAX:	1.3	1.5	1.6	1.6	1.2	.8	1.0	2.8	2.5	2.4	1.5	1.6	1.1	1.0	.8	.8	1.2	.8	.6	.6	1.3	2.6	3.2	1.4			
AVG:	.35	.39	.34	.29	.28	.24	.30	.53	.51	.57	.56	.53	.47	.41	.36	.31	.26	.21	.19	.21	.31	.40	.41	.32			

MONTHLY OBSERVATIONS: 432 MONTHLY MEAN: .36 MONTHLY MAX: 3.2

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-119-0041 POC: 2  
 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: 7446-09-5  
 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: (560) INSTRUMENTAL Pulsed Fluorescent 43

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

REPORT FOR: FEBRUARY 2012

DURATION: 1 HOUR

UNITS: Parts per billion

MIN DETECTABLE: .2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	1.1	.6	.5	.4	.3	.1	.4	.6	.4	9	1.1
2	.1	.0	.0	.0	.0	.0	.0	.0	.1	.4	BF	BF	BF	.1	.1	.2	.3	.4	.3	.6	.2	.2	.2	.2	21	.6
3	.2	.2	.2	.2	.2	.2	.3	.4	.4	.9	1.5	1.2	1.1	.9	.8	.7	.6	.6	.6	.8	.4	.5	.4	24	1.5	
4	.3	.3	.4	.5	.4	.3	.3	.4	.3	.2	.1	.2	.2	.4	.3	.1	.1	.1	.0	.1	.1	.1	.1	.1	24	.5
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	24	.2
6	.2	.2	.1	.1	.3	.2	.3	.3	.4	.4	.3	.4	.3	.2	.2	.2	.2	.2	.2	.1	.1	.3	.6	.8	24	.8
7	.4	.5	.6	.6	.8	1.2	1.4	2.0	1.1	.3	.4	.3	.2	.2	.2	.2	.2	.2	.2	1.2	1.4	2.0	1.4	1.8	24	2.0
8	2.5	2.4	1.8	2.0	1.9	1.1	1.0	2.1	3.7	2.4	1.8	1.6	2.2	1.3	1.1	.9	1.1	.9	.6	.4	.4	.2	.5	1.1	24	3.7
9	.7	.3	.4	.7	.7	.9	.8	1.9	1.3	.5	.5	.4	.5	.5	.7	.5	.5	.6	.5	.6	1.1	2.0	1.9	1.2	24	2.0
10	.5	.1	.1	.3	.2	.2	.3	.9	1.0	1.6	1.4	1.4	1.6	4.1	3.0	1.5	.9	1.2	1.2	1.3	1.2	1.0	1.0	.9	24	4.1
11	.6	.5	.5	.5	.1	.2	.4	.5	.2	.2	.3	.4	.2	.1	.3	.4	.5	.3	.1	.1	.3	.2	.2	.2	24	.6
12	.2	.3	.3	.3	.4	.3	.4	.5	.7	.6	.4	.4	.4	.4	.3	.3	.2	.2	.2	.3	.3	.3	.3	.3	24	.7
13	.2	.2	.2	.2	.2	.2	1.0	2.6	2.1	1.8	1.6	1.1	1.6	1.1	.5	.5	.5	.4	.2	.3	.2	.3	.4	.5	24	2.6
14	.5	.9	1.2	.9	1.1	1.7	1.6	1.2	1.0	.9	BF	BF	BF	BC	BC	BC	.3	.1	.1	.1	.0	.2	.0	.0	18	1.7
15	.0	.0	.0	.0	.0	.2	.9	1.9	2.5	.6	.3	.2	.1	.1	.0	.1	.2	.1	.1	.1	1.0	.7	.5	.4	24	2.5
16	.2	.3	.5	.5	.3	.3	.7	.6	.6	.7	.4	.2	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	-.1	24	.7
17	-.1	-.1	-.1	-.1	-.1	-.1	.0	.6	.7	.2	.0	.0	.1	.1	.1	.2	.2	.2	.2	.2	.6	1.7	2.5	.4	24	2.5
18	.2	.2	.3	.2	.2	.1	.2	.8	.8	.6	.6	.6	.6	.4	.3	.7	.3	.2	.3	.3	.7	1.4	.8	.7	24	1.4
19	.3	.1	.0	.0	.0	.0	.0	.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	-.1	-.1	-.1	.0	.0	.0	24	.4
20	.0	-.1	.0	.0	-.1	-.1	-.1	.1	.6	.4	.7	.9	.8	.7	.6	.5	.6	.5	.4	.5	.6	.8	1.0	1.0	24	1.0
21	.7	.6	.1	.0	.0	.0	.0	.1	.6	2.8	1.6	1.5	1.0	1.2	.4	.3	.4	.2	.1	.1	.1	.2	.3	.1	24	2.8
22	.8	.1	.1	.0	.0	.0	.0	.1	.1	AZ	AZ	AZ	.1	.0	.1	.0	.0	.1	.2	.0	.1	.0	.0	.0	21	.8
23	.0	-.1	-.1	-.1	-.1	-.1	-.1	.3	.1	.0	.0	BF	BF	.1	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	22	.3
24	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.1
25	.0	.0	-.1	.0	.0	.0	.0	.1	.2	.2	.1	.1	.1	.0	.0	.0	.0	.1	.2	.2	.5	.7	.3	.2	24	.7
26	.2	.1	.0	.0	.0	.0	.0	.5	.9	.3	.2	.2	.2	.3	.3	.3	.7	.6	.5	.5	.4	.2	.2	.2	24	.9
27	.5	.6	.4	.4	.3	.2	.3	.2	.0	.1	.1	.2	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	-.1	24	.6
28	.0	.0	.0	.0	.0	.0	.0	.1	.3	.4	.9	.9	.7	.5	.5	.5	.5	.5	.5	.4	.4	.3	.2	.4	24	.9
29	.5	.8	1.0	1.4	1.2	.6	1.6	1.0	1.0	.4	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	1.6
30																									0	
31																									0	
NO.:	28	28	28	28	28	28	28	28	28	27	25	24	25	27	27	28	29	29	29	29	29	29	29	29	29	
MAX:	2.5	2.4	1.8	2.0	1.9	1.7	1.6	2.6	3.7	2.8	1.8	1.6	2.2	4.1	3.0	1.5	1.1	1.2	1.2	1.3	1.4	2.0	2.5	1.8		
AVG:	.35	.30	.28	.31	.29	.28	.41	.69	.76	.63	.54	.51	.49	.48	.37	.34	.31	.29	.24	.29	.37	.47	.47	.39		

MONTHLY OBSERVATIONS: 667 MONTHLY MEAN: .41 MONTHLY MAX: 4.1

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-119-0041 POC: 2  
 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: 7446-09-5  
 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: (560) INSTRUMENTAL Pulsed Fluorescent 43

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

REPORT FOR: MARCH 2012

DURATION: 1 HOUR

UNITS: Parts per billion

MIN DETECTABLE: .2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	.1	.3	.0	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.6	.3	.2	.2	.3	.24	.6	
2	.0	.2	.0	.0	.1	.6	1.2	.3	.3	.3	.2	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	.3	.3	.0	.24	1.2
3	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.1	.1	.5	.4	.1	.0	.2	.3	.0	.0	.0	.24	.5
4	.0	.0	.0	.0	.0	.1	.4	.3	.4	.4	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.24	.4
5	.0	.0	.0	.0	.0	.1	.1	.6	1.3	.2	.2	.1	.1	.3	.4	.5	.3	.3	.1	.2	.3	.3	.2	.1	.24	1.3
6	.1	.1	.1	.3	.3	.3	.6	2.7	1.6	.9	BF	BF	BF	.2	.2	.1	.2	.3	.3	.2	.2	.2	.3	.2	.21	2.7
7	.1	.1	.0	.0	.0	.0	.2	1.4	.7	.2	.1	.2	.0	.0	.1	.2	.1	.1	.1	.2	.0	.0	.0	.0	.24	1.4
8	.0	.0	-.1	-.1	-.1	.0	.4	.4	.1	.4	.5	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0	.3	.24	1.0
9	.4	.0	.0	AV	AV	AV	AV	AV	AV	.0	.1	.7	.1	.1	.2	.2	.3	.3	.3	.4	.5	.6	.5	.6	.18	.7
10	.3	.3	.6	.8	.9	.8	.5	.5	.6	.7	.8	.7	.8	.6	.3	.2	.1	.1	.1	.1	.2	.3	.2	.2	.24	.9
11	.1	.1	.0	.0	.0	.0	.0	.1	.4	.6	.5	.4	.3	.2	.2	.2	.1	.1	.2	.2	.2	.2	.1	.1	.24	.6
12	.1	.0	.1	.0	.2	.6	.4	.7	2.0	2.2	.5	.8	.6	.2	.3	.4	.5	.3	.0	.0	.2	.3	.3	.3	.24	2.2
13	.1	.1	.5	.1	.1	.2	.0	.0	.1	.2	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	-.1	.24	.5
14	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.1	.3	.3	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.24	.3
15	.0	.0	.0	.0	.0	.0	2.5	.9	.6	BF	BF	.4	.2	.0	.0	.1	.3	.1	.0	.0	.0	.0	.0	.0	.22	2.5
16	.0	.0	.0	.0	.0	.1	.2	.5	.4	.6	.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	-.1	.24	.6
17	-.1	-.1	-.1	-.1	.0	-.1	.0	.0	.0	.0	.2	.3	.2	.1	.0	.0	.0	.0	.0	.1	.0	-.1	-.1	-.1	.24	.3
18	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.24	.1
19	.0	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.1	.4	.5	.6	.5	.3	.3	.2	.2	.2	.1	.1	.1	.2	.2	.24	.6
20	.4	.3	.1	.0	.0	.2	.4	.5	.5	.8	1.1	1.0	.8	1.0	.6	.3	.3	.4	.3	.2	.1	.0	.0	.0	.24	1.1
21	.0	-.1	-.1	-.1	-.1	-.1	.0	.0	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	-.1	-.1	-.1	.24	.5
22	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.7	.7	.5	.1	.3	.3	.0	.0	.1	.5	.2	.1	.0	.2	.1	.24	.7
23	.0	.0	.0	-.1	-.1	.0	.2	.0	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.1	-.1	-.1	-.1	-.1	.24	.4
24	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.2	-.1	-.1	-.1	-.1	.0	-.1	.24	.2
25	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	.24	0.0
26	-.1	-.1	-.1	-.1	-.1	-.1	.0	.4	.3	.0	.0	.0	.1	.3	.0	.0	.0	.1	.2	.6	.2	.2	.4	.1	.24	.6
27	.3	.6	1.1	.8	.9	.4	.2	.3	BF	BF	.2	.3	.3	.3	.2	.2	.2	.2	.2	.3	.1	.1	.1	.2	.22	1.1
28	.3	.3	.2	.2	.4	.4	.4	.8	.9	.2	.1	.0	.1	.1	.2	.2	.3	.3	.2	.5	.2	.0	.0	.0	.24	.9
29	.0	.0	.5	.9	.6	.4	.8	.7	1.1	.5	.2	.2	.2	.3	.2	.2	.2	.4	.8	.7	.6	.2	.6	.3	.24	1.1
30	.1	.3	.3	.4	1.8	.9	.5	.7	.9	.8	.7	.7	.6	.5	.4	.4	.2	.2	.2	.0	-.1	-.1	-.1	-.1	.24	1.8
31	-.1	-.1	-.1	-.1	-.2	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	-.1	.0	.0	.0	-.1	-.1	.0	.0	-.1	.24	0.0
NO.:	31	31	31	30	30	30	30	30	29	29	29	30	30	31	31	31	31	31	31	31	31	31	31	31	.6	
MAX:	.4	.6	1.1	.9	1.8	.9	2.5	2.7	2.0	2.2	1.1	1.0	.8	1.0	.6	.5	.5	.4	.8	.7	.6	.6	.6	.6	.6	
AVG:	.05	.05	.07	.07	.13	.13	.27	.37	.42	.37	.27	.30	.20	.17	.14	.14	.13	.13	.12	.15	.11	.08	.11	.07		

MONTHLY OBSERVATIONS: 731 MONTHLY MEAN: .17 MONTHLY MAX: 2.7

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide  
 SITE ID: 37-119-0041 POC: 2  
 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: 7446-09-5  
 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: APRIL 2012

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (560) INSTRUMENTAL Pulsed Fluorescent 43

UNITS: Parts per billion

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

MIN DETECTABLE: .2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.1	-.1	-.1	-.1	-.1	24	0.0	
2	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.4	.1	.1	.2	.0	.0	.3	.2	.0	.0	-.1	.0	.0	.0	.0	.0	24	.4	
3	.0	.0	-.1	-.1	-.1	-.1	-.1	.0	.0	.1	.1	.1	.9	1.1	1.0	.9	.4	.2	.0	-.1	.0	-.1	-.1	-.1	24	1.1	
4	-.2	-.2	-.2	-.1	-.1	-.1	-.1	.0	.1	.7	.9	.2	.1	.3	.6	.1	.0	.0	.4	-.1	-.1	.1	.0	-.1	24	.9	
5	-.1	.0	-.1	.0	.1	.0	.0	.0	BF	BF	.2	.2	.3	.2	.2	.2	.3	.0	-.1	-.1	-.1	-.1	-.1	22	.3		
6	-.1	.0	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.2	.3	.3	.2	.3	.2	.1	.1	.2	.0	.0	.3	.6	.9	24	.9	
7	1.1	.9	.5	.3	.1	.0	.0	.3	.7	.7	.6	.5	.5	.4	.4	.3	.4	.4	.3	.3	.2	.1	.0	.0	24	1.1	
8	.0	.0	.0	.0	.1	.0	.1	.2	.3	.3	.4	.4	.6	.4	.3	.3	.4	.5	.7	.7	.3	.3	.3	.3	24	.7	
9	.4	.2	.4	.6	.5	.4	.2	.5	1.3	.5	.3	.2	.4	.2	.3	.3	.3	.2	.2	.2	.2	.1	.1	.2	24	1.3	
10	.1	.1	.3	.3	.4	.4	.4	.5	.8	.9	.7	.7	.5	.4	.3	.3	.3	.5	.5	.1	.5	.7	.8	.3	24	.9	
11	.3	.5	.7	.9	1.1	.9	.3	.7	.4	.2	.1	.1	.1	.1	.1	.3	.4	.2	.1	.0	.0	.2	.4	.4	24	1.1	
12	.3	.2	.1	.2	.4	.3	.5	.6	.3	.2	.1	.2	.2	.2	.1	.1	.1	.1	.1	.1	.2	.2	.1	.4	24	.6	
13	.0	.0	.0	.0	.0	.0	.8	2.1	1.8	.4	.4	.4	.3	.3	.3	.3	.3	.2	.2	.3	.2	.3	.2	.5	24	2.1	
14	.1	.0	.1	.0	.0	.0	.0	.3	1.0	.2	.3	.3	.3	.3	.5	.6	.6	.5	.3	.2	.2	.3	.3	.3	24	1.0	
15	.1	.0	.0	.0	.0	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.2	.5	.3	24	.5	
16	.1	.0	.0	.0	-.1	-.1	.0	.0	.7	.9	.5	.4	.2	.2	.1	.0	.0	.0	.1	.4	.5	.0	.0	.0	24	.9	
17	.0	.0	.0	.0	-.1	.0	.0	.2	.5	.4	BF	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	.5	
18	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.2	.1	.1	.0	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	24	.3	
19	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	24	0.0	
20	-.1	-.1	.3	.2	.2	.3	.2	.0	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	-.1	.0	-.1	-.1	-.1	-.1	-.1	-.1	.0	24	.3
21	.0	.0	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.1	-.1	-.1	.0	.0	.0	.0	-.1	-.1	24	0.0	
22	-.1	-.1	-.1	-.1	.0	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	24	0.0	
23	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3	.4	.5	.3	.0	.0	.0	24	.5	
24	.0	-.1	-.1	-.1	-.1	-.1	.3	1.7	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.6	.4	24	1.7	
25	.3	.0	.0	.0	-.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	24	.3	
26	.0	.1	.2	.1	.2	.2	.3	.3	BF	BF	.1	.1	.1	.0	.1	.1	.1	.3	.6	.1	.3	.0	.0	.0	22	.6	
27	.0	-.1	-.1	-.1	-.1	.0	.5	.1	.1	.0	.0	.1	.1	.1	.1	.2	.2	.3	.1	.0	.0	.0	.0	-.1	24	.5	
28	.0	.2	.2	.2	.1	.6	.4	.4	.4	.2	.2	.2	.1	.0	.0	.2	.2	.1	.0	-.1	-.1	-.1	-.1	-.1	24	.6	
29	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.1	-.1	-.1	-.1	24	0.0	
30	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.2	.3	.3	.3	.3	.3	.1	.0	.1	.1	.0	.0	.2	.3	.3	.2	24	.3	
31																										0	
NO.:	30	30	30	30	30	30	30	30	28	28	29	30	30	30	30	30	30	30	30	30	30	30	30	30			
MAX:	1.1	.9	.7	.9	1.1	.9	.8	2.1	1.8	.9	.9	.7	.9	1.1	1.0	.9	.6	.5	.7	.7	.5	.7	.8	.9			
AVG:	.06	.03	.04	.05	.06	.06	.11	.26	.34	.22	.19	.16	.17	.15	.17	.15	.14	.14	.13	.07	.09	.08	.11	.10			

MONTHLY OBSERVATIONS: 715 MONTHLY MEAN: .13 MONTHLY MAX: 2.1

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-119-0041 POC: 2  
 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: 7446-09-5  
 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: (560) INSTRUMENTAL Pulsed Fluorescent 43

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

REPORT FOR: MAY 2012

DURATION: 1 HOUR

UNITS: Parts per billion

MIN DETECTABLE: .2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	.3	.4	.1	.0	.2	.0	.0	.1	.1	.5	.6	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1	.3	24	.6
2	.1	.0	.0	-.1	.0	-.1	.0	.0	.0	.0	.2	.7	.6	.5	.3	.2	.1	.1	.2	.4	.2	.1	.1	.1	24	.7
3	.2	.1	.0	-.1	-.1	-.1	.0	.5	.3	.5	.5	.3	.3	.2	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	24	.5
4	-.1	-.1	-.1	-.1	-.1	-.1	.0	.3	.3	.4	.8	.6	.5	.2	.0	-.1	.0	-.1	.0	.2	.3	.3	.0	.0	24	.8
5	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.1	.2	.4	.3	.0	.1	.0	.0	.0	.0	.0	-.1	-.1	.1	1.1	2.3	.0	24	2.3
6	.0	.0	.0	-.1	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	24	0.0
7	-.2	-.2	-.2	-.2	-.2	-.2	-.1	-.1	AZ	AZ	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	22	-.1
8	-.1	-.1	-.2	-.2	-.2	-.1	.0	.2	.1	BF	.0	.0	.0	.0	-.1	.0	-.1	-.1	-.1	-.1	-.1	-.2	-.2	-.2	23	.2
9	-.2	-.2	-.2	-.2	-.2	-.2	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.2	-.1	-.1	24	-.1
10	-.1	-.2	-.2	-.2	-.2	.0	.1	.0	.1	.1	.0	.0	.1	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	24	.2
11	.0	.0	.0	.0	.0	.0	.3	.3	.2	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	24	.3
12	.0	.0	.0	.0	-.1	-.1	.0	.0	.6	.9	.9	2.2	1.7	1.3	.3	.1	.2	.1	.0	.0	.0	.0	.0	.0	24	2.2
13	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.2	-.2	-.2	-.2	-.2	24	0.0
14	-.2	-.2	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	-.1	-.1	-.1	-.1	-.2	-.2	-.2	-.2	24	0.0
15	-.2	-.2	-.2	-.2	-.2	-.2	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	-.1	.0	.0	.0	.0	-.1	-.1	-.1	-.2	-.1	24	0.0
16	-.1	-.2	-.2	-.2	-.2	-.2	.0	.2	.0	.0	.1	.0	.0	-.1	-.1	.0	.0	-.1	-.1	-.1	-.2	-.2	-.1	-.1	24	.2
17	-.1	-.1	-.1	-.1	-.1	-.1	.0	.2	BF	BF	.2	.0	.2	.2	.1	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	22	.2
18	.0	.2	.0	.0	.2	.5	.2	.2	.0	.0	.1	.1	.2	.1	.1	.1	.1	.1	.1	.1	.0	.6	2.3	.7	24	2.3
19	.3	.2	.3	.4	.2	.0	.1	.1	.1	.1	.7	.4	.2	.2	.2	.1	.2	.2	.2	.2	.0	.0	.0	-.1	24	.7
20	-.1	-.1	-.1	-.1	-.1	-.1	.1	.4	.9	.6	.1	.1	.1	.1	.0	.0	.0	.0	.0	.1	.4	.3	.1	.0	24	.9
21	.0	.0	.2	.3	.1	.0	.0	.0	.0	.1	.1	.1	.0	.1	.3	.3	.3	.1	.0	-.1	-.1	-.1	-.1	-.2	24	.3
22	-.2	-.2	-.2	-.2	-.2	-.1	.0	.0	.0	.0	.0	.0	.1	.2	.3	.0	.0	-.1	-.1	-.1	-.1	-.2	-.2	-.2	24	.3
23	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.1	-.1	-.1	-.1	-.1	-.1	.0	-.1	.0	.0	-.1	-.1	-.1	.0	.0	-.1	-.1	24	0.0
24	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.1	24	0.0
25	-.1	-.1	-.2	-.2	-.2	-.1	.1	.3	.2	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	24	.3
26	.0	.0	.0	.0	.0	.1	.6	.6	.1	.1	.4	.3	.2	.1	.0	.0	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	24	.6
27	-.1	-.1	-.1	-.1	.5	1.1	.9	.2	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	24	1.1
28	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.2	-.2	-.2	24	-.1
29	-.2	-.2	-.2	-.2	-.2	-.1	.0	-.1	BF	BF	-.1	-.1	-.1	-.1	-.1	-.1	.2	.3	.0	-.1	.0	-.1	-.2	-.2	22	.3
30	-.2	-.2	-.2	-.2	-.1	.0	.0	.0	-.1	BF	BF	BC	BC	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	20	.1
31	.0	.0	.4	.7	.9	.5	.6	1.0	.5	.5	.6	1.0	.3	.2	.1	.1	.0	.0	.2	.1	.1	.1	.1	.6	24	1.0
NO.:	31	31	31	31	31	31	31	31	28	26	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	
MAX:	.3	.4	.4	.7	.9	1.1	.9	1.0	.9	.9	.9	2.2	1.7	1.3	.3	.3	.3	.3	.3	.2	.4	.4	1.1	2.3	.7	
AVG:	-.06	-.07	-.07	-.07	-.03	-.02	.06	.12	.11	.14	.16	.18	.14	.10	.04	.02	.01	-.01	-.02	-.02	-.03	.01	.09	-.02		

MONTHLY OBSERVATIONS: 733 MONTHLY MEAN: .03 MONTHLY MAX: 2.3

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-119-0041 POC: 2  
 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: 7446-09-5  
 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: JUNE 2012

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (560) INSTRUMENTAL Pulsed Fluorescent 43

UNITS: Parts per billion

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

MIN DETECTABLE: .2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	.5	.6	.5	.4	.3	.2	.1	.3	.3	.3	.1	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	24	.6	
2	.0	1.3	1.2	.2	.1	.1	.1	.0	.0	.1	.2	.1	.1	.1	.2	.4	.2	.1	.1	.1	.1	.3	.3	.2	24	1.3	
3	.1	.0	.0	.0	.0	.0	.1	.4	.3	.2	.3	.2	.1	.1	.0	.0	.2	.2	.1	.0	.2	.3	.0	.0	24	.4	
4	.0	.0	.0	.0	.0	.0	.2	.3	.6	.6	.2	.7	.8	.7	.5	.3	.2	.2	.2	.3	.4	.3	.4	.2	24	.8	
5	.2	.1	.2	.3	.1	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	24	.3	
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	0.0	
7	.0	.0	.0	.0	.0	.0	.2	.4	.4	BF	BF	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	.4	
8	.0	.0	.0	.0	.0	.0	.1	.3	.2	.2	.5	.3	.2	.1	.2	.1	.1	.1	.1	.1	.1	.0	.0	.0	24	.5	
9	.2	.2	.1	.4	.1	.0	.2	.3	.4	.4	.3	.2	.2	.1	.1	.2	.6	.4	.3	.1	.1	.1	.1	.6	24	.6	
10	.6	.5	.2	.1	.0	.0	.2	.6	.5	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.6	
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	0.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.1	
13	.0	.0	.0	.0	.0	.0	.1	.1	.3	.5	.2	.2	.2	.3	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	24	.5	
14	.0	.0	.0	.0	.0	.6	.3	.4	.2	.1	.2	.2	.3	.2	.2	.1	.2	.2	.2	.2	.2	.1	.0	.0	24	.6	
15	.0	.0	.0	.1	.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.2	.1	.0	.0	.0	24	.7	
16	.0	.0	.0	.0	.0	.0	.1	.3	.1	.1	.1	.1	.1	.2	.1	.1	.1	.1	.4	.3	.2	.1	.1	.0	24	.4	
17	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	24	.2	
18	.0	.0	.0	.0	.0	.0	.2	.4	.6	.7	.4	.2	.2	.2	.1	.1	.0	.1	.2	.1	.0	.0	.1	.4	24	.7	
19	.2	.2	.4	.1	.0	.0	.4	.5	.4	BF	BF	1.2	.4	.2	.2	.2	.2	.1	.1	.1	.0	.0	.0	.0	22	1.2	
20	.0	.0	.0	.0	.0	.0	.2	.6	.8	.2	.1	.1	.1	.1	.1	.0	.0	.0	.1	.0	.1	.2	.2	.1	24	.8	
21	.0	.0	.0	.0	.0	.0	.1	.2	.2	.1	.1	.3	.1	.0	.1	.1	.2	.2	.1	.0	.0	.1	.1	.1	24	.3	
22	.1	.0	.0	.1	.0	.0	.3	.3	.3	.2	.3	.4	.2	.2	.1	.0	.0	1.2	1.3	.4	.1	.0	.0	.0	24	1.3	
23	.0	.0	.0	.0	.1	.1	.3	.5	.5	.3	.7	.5	.3	.5	.3	.2	.1	.1	.1	.1	.1	.0	.0	.0	24	.7	
24	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.3	
25	.0	.0	.0	.0	.0	.0	.0	.6	.5	.2	.0	.1	.4	.4	.2	.2	.2	.2	.1	.0	.1	.1	.0	.0	24	.6	
26	.0	.3	.1	.0	.3	.6	.8	.4	.7	.7	.9	1.0	.6	.6	.5	.6	.6	.5	.7	.3	.2	.1	.0	.1	24	1.0	
27	.0	.1	.1	.0	.0	.1	.4	.6	.9	.8	.4	.3	.3	.3	.3	.3	.3	.2	.3	.3	.2	.1	.1	.1	24	.9	
28	.0	.0	.0	.0	.0	.1	.3	.5	.5	.6	.3	BF	BF	.4	.8	1.0	.4	.5	.5	.4	.4	1.1	.3	21	1.1		
29	.2	.2	.1	.1	.1	.2	.4	.7	1.1	1.2	1.3	3.2	4.2	4.3	6.5	6.1	2.9	1.5	1.9	2.4	1.1	.8	.7	.6	24	6.5	
30	.2	.2	.1	.0	.0	.0	.1	.3	.5	.6	.4	.4	.5	.7	.8	.8	1.1	1.0	1.0	1.1	.9	.7	.6	.5	24	1.1	
31																										0	
NO.:	30	30	30	30	30	30	30	30	30	28	28	29	29	29	30	30	30	30	30	30	30	30	30	30	30		
MAX:	.6	1.3	1.2	.4	.7	.6	.8	.7	1.1	1.2	1.3	3.2	4.2	4.3	6.5	6.1	2.9	1.5	1.9	2.4	1.1	.8	1.1	.6			
AVG:	.08	.12	.10	.06	.06	.08	.18	.31	.36	.31	.27	.36	.33	.33	.38	.36	.28	.24	.28	.22	.15	.12	.13	.11			

MONTHLY OBSERVATIONS: 713 MONTHLY MEAN: .22 MONTHLY MAX: 6.5

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-119-0041 POC: 2  
 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: 7446-09-5  
 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: (560) INSTRUMENTAL Pulsed Fluorescent 43

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

REPORT FOR: JULY 2012

DURATION: 1 HOUR

UNITS: Parts per billion

MIN DETECTABLE: .2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	.6	.5	.5	.5	.5	.4	.6	1.0	.9	1.6	14.3	2.3	1.3	1.1	1.1	1.2	1.9	.7	.2	.2	.1	.1	.1	.0	24	14.3	
2	.0	.1	.0	.3	.1	.0	.7	1.3	5.5	10.8	2.5	2.1	1.8	4.2	.7	.6	.4	.5	.5	.5	.4	.4	.3	.2	24	10.8	
3	.2	.2	.2	.2	.1	.2	.6	1.1	.8	.5	.3	.4	.6	.6	.3	.2	.5	.3	.6	.5	.2	.6	.2	.5	24	1.1	
4	.3	.1	.1	.1	.2	.1	.2	.4	.5	.6	.6	.8	.6	.5	.4	.5	.8	.2	.2	.2	.7	1.3	.9	.7	24	1.3	
5	.6	.4	.3	.2	.1	.2	.4	.6	.5	.8	1.4	.7	.6	.7	.6	.4	.6	.5	.5	.0	.1	.2	.0	.1	24	1.4	
6	.1	.1	.1	.1	.1	.1	.2	8.1	3.9	1.0	.6	.5	.6	1.0	.9	.9	.6	.6	.6	.5	.8	1.5	.7	.6	24	8.1	
7	.4	.3	.3	.6	1.2	.4	.6	1.6	.6	.5	.5	.8	.6	.5	.5	.6	.6	.4	.4	.4	1.7	2.5	.4	.3	24	2.5	
8	.3	.3	.3	.3	.3	.3	.7	1.2	1.3	1.7	4.2	.5	.6	.7	.5	.3	.2	.2	.2	.3	.3	.4	.7	.2	24	4.2	
9	.3	.2	.2	.3	1.7	.9	.8	2.2	2.4	.5	.2	.4	.3	BF	BF	.1	.0	.2	.3	.1	.0	.0	.0	.0	22	2.4	
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	0.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	0.0
12	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	24	.2
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	0.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.3
15	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.2	.0	.0	24	.2
16	.0	.0	.0	.0	.0	.0	.1	.4	1.5	2.5	1.9	.5	1.5	1.3	.4	.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	24	2.5
17	.0	.0	.0	.0	.0	.1	.4	.5	.5	.9	.8	.6	.4	.3	.3	.2	.2	.1	.1	.2	.1	.1	.1	.1	.1	24	.9
18	.1	.1	.1	.0	.0	.0	.1	1.3	2.3	.8	.6	.6	.4	.3	.2	.1	.1	.6	.1	.1	1.6	2.3	.6	.4	24	2.3	
19	.1	.1	.0	.0	.0	.0	.1	.6	2.0	BF	BF	BF	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	.9	2.0	
20	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	
21	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
22	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
23	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	BC	BC	BC	BC	.6	.4	.2	.1	.3	.6	.3	.4	.3	.3	10	.6	
24	.3	.7	.2	.1	.1	.0	.1	.3	.4	3.5	.3	.2	.2	.5	1.9	.4	.7	.3	1.6	.9	.2	.3	.3	.3	24	3.5	
25	.3	.1	.1	.1	.1	.1	.1	1.1	.1	.1	.5	1.4	.5	.7	2.3	6.1	1.6	.2	.2	.2	.4	.3	.2	.1	24	6.1	
26	.1	.0	.1	.1	.1	.1	.1	1.3	4.7	6.9	1.2	1.8	2.9	1.0	.3	1.7	3.4	3.9	.8	.7	.5	.2	.3	.5	24	6.9	
27	.6	.4	.2	.2	.2	.1	.3	1.2	9.1	6.2	.9	.6	.7	.6	.2	.3	.9	2.0	.4	2.2	.8	.2	.3	.6	24	9.1	
28	.3	.2	.2	.2	.1	.1	.2	.6	.6	.3	.3	.3	.3	.3	.3	.2	1.5	5.7	1.1	.3	.2	.1	.1	.2	24	5.7	
29	.1	.1	.0	.0	.0	.0	.1	.2	.3	.3	.3	.3	.2	.2	.3	2.4	.6	.4	.7	.4	.2	.1	.1	.1	24	2.4	
30	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.3	BF	BF	BF	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	21	.3	
31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1	.1	.0	.0	.0	.1	24	.2	
NO.:	27	27	27	27	27	27	27	27	27	26	26	25	25	24	26	27	27	27	27	27	27	27	27	27	27		
MAX:	.6	.7	.5	.6	1.7	.9	.8	8.1	9.1	10.8	14.3	2.3	2.9	4.2	2.3	6.1	3.4	3.9	5.7	2.2	1.7	2.5	.9	.7			
AVG:	.18	.15	.11	.13	.19	.12	.24	.94	1.43	1.55	1.22	.60	.57	.60	.46	.66	.51	.48	.50	.34	.33	.41	.21	.20			

MONTHLY OBSERVATIONS: 638 MONTHLY MEAN: .50 MONTHLY MAX: 14.3

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-119-0041 POC: 2  
 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: 7446-09-5  
 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: (560) INSTRUMENTAL Pulsed Fluorescent 43

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

REPORT FOR: AUGUST 2012

DURATION: 1 HOUR

UNITS: Parts per billion

MIN DETECTABLE: .2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM		
1	.0	.0	.0	.0	.0	.0	.1	.1	AZ	AZ	AZ	AZ	AZ	.2	.1	.3	.4	.2	.2	.2	.1	.1	.1	.1	.1	19	.4	
2	.3	.2	.2	.2	.1	.1	.1	.2	.2	.2	.2	.3	.4	.6	.4	.5	.4	.3	.2	.1	.1	.1	.1	.1	.1	24	.6	
3	.1	.1	.0	.0	.0	.0	.0	.2	.3	.3	.3	.2	.6	.7	.7	.6	.3	.1	.1	.0	.0	.1	.0	.0	.0	24	.7	
4	.0	.2	.2	.1	.1	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1	24	.2	
5	.1	.5	.3	.1	.0	.0	.1	.7	.8	.9	.5	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.9	
6	.1	.4	.3	.1	.1	.1	.1	.2	.5	.3	.2	.2	.2	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	24	.5	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.5	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.5	
8	.0	.0	.0	.0	-.1	.0	.0	.0	.3	1.0	1.8	1.2	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	1.8	
9	.0	-.1	-.1	.0	.0	.0	.0	.1	.1	AZ	AZ	AZ	BF	BF	.4	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	19	.4	
10	.0	.0	.0	.0	.0	-.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	24	.1	
11	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.2	.1	.1	.0	.0	.0	24	.2	
12	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3	.3	.3	.3	.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	24	.3
13	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.3	.3	.1	.1	.1	.2	.3	.2	.1	.1	.0	.1	.1	24	.3	
14	.0	.0	.0	.0	.1	.0	.1	.2	.7	.4	.5	.5	.5	.3	.3	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	24	.7	
15	.1	.0	.0	.0	.0	.0	.0	.2	.7	.9	1.0	.5	2.1	.9	2.3	1.2	.7	.2	.1	.0	.0	.0	.0	.1	.1	24	2.3	
16	.0	.0	.0	.0	.0	.0	.0	.1	.3	.3	.3	.3	.3	.2	.3	.2	.3	.3	.2	.2	.1	.1	.1	.1	.1	24	.3	
17	.0	.0	.0	.0	.0	.0	.0	.2	.6	.3	.2	.2	.2	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.6	
18	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.2	.3	.4	.3	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	24	.4	
19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	24	.1	
20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	24	.1
21	.0	.0	.0	.0	.0	.0	.1	.1	.3	.3	.4	BF	BF	BF	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	21	.4	
22	.1	.1	.0	.0	.0	.0	.0	.1	.2	.1	.1	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	24	.2	
23	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	24	.1	
24	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.6	.2	.1	.1	.1	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	24	.6
25	.0	.0	.0	.0	.0	.0	.1	.4	.7	.4	.2	.2	.1	.2	.2	.1	.1	.1	.1	.1	.1	.0	.1	.0	.0	24	.7	
26	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	.5	.4	.4	.3	.2	.2	.2	.1	.1	.1	.0	.0	.0	.0	.0	24	.9	
27	.0	.0	.1	.2	.1	.0	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.2	
28	.0	-.1	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.1	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.3
29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.5
30	.0	.0	.0	.0	.0	.0	.0	.0	.1	BF	BF	.1	.1	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	22	.1	
31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	24	.2	
NO.:	31	31	31	31	31	31	31	31	30	28	28	28	28	29	31	31	31	31	31	31	31	31	31	31	31	31		
MAX:	.3	.5	.3	.2	.1	.2	.2	.7	.8	1.0	1.8	1.2	2.1	.9	2.3	1.2	.7	.3	.3	.2	.1	.1	.1	.1	.1			
AVG:	.03	.04	.03	.02	.01	.01	.03	.11	.24	.29	.29	.25	.30	.22	.23	.18	.14	.09	.06	.05	.03	.03	.02	.03				

MONTHLY OBSERVATIONS: 729 MONTHLY MEAN: .11 MONTHLY MAX: 2.3

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-119-0041 POC: 2  
 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: 7446-09-5  
 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: SEPTEMBER 2012

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (560) INSTRUMENTAL Pulsed Fluorescent 43

UNITS: Parts per billion

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

MIN DETECTABLE: .2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.4
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.2
3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.2
4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.2
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	24	.1
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	24	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.7	.5	.3	.2	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	24	.7
8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.2
9	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.0	.0	.1	.0	.0	24	.2
10	.0	.0	.0	.0	.0	.0	.0	.1	.2	.5	.6	.5	.3	.3	.3	.3	.2	.2	.1	.1	.1	.1	.1	.0	.0	24	.6
11	.0	.0	.0	.0	.0	.1	.2	.3	.3	BF	BF	BF	BF	BF	BF	.2	.2	.1	.0	.0	-.1	-.1	-.1	-.1	.0	18	.3
12	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.1	.2	.2	.1	.1	.2	.1	.1	.1	.1	.0	.0	-.1	.0	.0	.0	24	.2
13	-.1	-.1	-.1	-.1	-.1	-.1	.2	.8	.5	.3	.3	.3	.2	.1	.1	.2	.1	.1	.1	.0	.0	.0	.0	.0	-.1	24	.8
14	-.1	.1	.3	.1	.0	.0	.1	.3	.3	.2	.1	.1	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	24	.3
15	.1	.0	.1	.0	.1	.1	.1	.0	.1	.3	.4	.3	.3	.3	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.2	24	.4
16	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.1	-.1	.0	.4	.1	.1	24	.4
17	.0	-.1	-.1	.0	.0	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	-.1	.0	.0	.0	.2	.4	.2	.1	.0	24	.4
18	.0	.1	.0	.0	.0	.0	-.1	-.1	-.1	.0	-.1	-.1	-.1	.0	-.1	-.1	.0	.0	-.1	.0	.0	-.1	-.1	-.1	.0	24	.1
19	-.1	-.1	.0	.0	-.1	-.1	.0	.0	.0	.1	.3	.3	.2	.1	.1	.2	.1	.0	.0	.0	-.1	.0	.0	.0	.0	24	.3
20	-.1	-.1	-.1	-.1	-.1	-.1	.0	.1	BF	BF	BF	.2	.2	.1	.1	.1	.1	.1	.1	.0	.0	-.1	-.1	-.1	-.1	21	.2
21	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	-.1	-.1	.0	.2	24	.2	
22	.1	.0	.0	.0	.0	.0	.0	.1	.4	.4	.2	.2	.2	.2	.2	.2	.2	.2	.2	.1	.0	.1	.1	.2	.4	24	.4
23	.3	.2	.1	.2	.1	.1	.2	.4	.3	.4	.6	.5	.4	.4	.5	.4	.4	.3	.1	.1	.1	.1	.2	.4	24	.6	
24	.1	.1	.2	.4	.4	.4	.4	.3	.5	.3	.2	.2	.2	.2	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	24	.5
25	.0	.0	.0	-.1	.0	.0	.1	.1	.2	.7	.8	.7	.7	.7	.4	.3	.4	.3	.2	.1	.0	.0	.0	.0	.0	24	.8
26	.0	-.1	-.1	-.1	-.1	-.1	.0	.0	.3	.8	1.0	.8	.7	.6	.4	.4	.3	.2	.2	.1	.0	.0	-.1	.0	.0	24	1.0
27	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.2	1.7	1.0	.9	.5	.4	.5	.4	.3	.4	.3	.1	.1	.0	.0	.0	24	1.7
28	.0	-.1	.0	-.1	.0	.0	.0	.1	.2	.4	1.9	.7	.5	.4	.2	.2	.2	.2	.0	.0	-.1	.0	-.1	.0	.0	24	1.9
29	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	-.1	-.1	.0	.0	.0	.0	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	24	0.0
30	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	-.1	-.1	-.1	-.1	24	.2
31																										0	
NO.:	30	30	30	30	30	30	30	30	29	28	28	29	29	29	29	30	30	30	30	30	30	30	30	30	30		
MAX:	.3	.2	.3	.4	.4	.4	.4	.8	.5	.8	1.9	1.0	.9	.7	.5	.5	.4	.3	.4	.3	.2	.4	.4	.4	.4		
AVG:	-.01	-.02	-.01	-.01	-.01	-.01	.03	.08	.13	.21	.34	.29	.24	.20	.16	.14	.11	.09	.05	.02	0.00	.01	.01	.02			

MONTHLY OBSERVATIONS: 711 MONTHLY MEAN: .08 MONTHLY MAX: 1.9

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-119-0041 POC: 2  
 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: 7446-09-5  
 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: OCTOBER 2012

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (560) INSTRUMENTAL Pulsed Fluorescent 43

UNITS: Parts per billion

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

MIN DETECTABLE: .2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	24	-.1	
2	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.2	.1	BF	BF	.1	.1	.1	BA	.1	.1	.1	.1	.0	.0	.0	.0	.0	21	.2
3	.0	.0	.0	.0	.0	.0	.1	.1	BA	BA	BA	1.0	.8	.5	.3	.2	.1	.1	.1	.1	.1	.0	.0	.0	.0	21	1.0
4	.0	.0	.0	-.1	-.1	-.1	.0	.0	.0	.1	.2	.2	.5	.7	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.1	24	.7
5	.1	.1	.0	.0	-.1	-.1	.0	.0	.3	.4	.3	.2	.2	.1	.2	.3	.2	.1	.0	.0	.0	.0	-.1	-.1	24	.4	
6	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.2	.2	.3	.2	.1	.1	.1	.0	.0	.0	.0	.0	-.1	-.1	24	.3	
7	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.1	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.1	24	.1	
8	.2	.1	.3	.4	.3	.3	.3	BF	BF	BC	BC	BC	.1	.0	.0	.0	.0	.0	.0	-.1	-.1	-.1	-.1	-.1	19	.4	
9	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.1	.0	-.1	.0	-.1	.0	24	0.0	
10	.0	.0	-.1	-.1	-.1	-.1	.0	.0	.1	.1	.1	.1	.4	.4	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	24	.4
11	.1	.3	.3	.2	.1	.1	.1	.2	.3	BF	.3	.2	.4	.2	.2	.2	.2	.1	.0	.0	.0	.0	.1	.0	.0	23	.4
12	.0	.0	.0	.0	.0	.1	.2	.2	.1	.2	.3	.5	.5	.3	.2	.3	.2	.1	.2	.1	.0	.0	.0	.0	.0	24	.5
13	.0	.2	.5	.5	.4	.2	.1	.2	.3	.4	.4	.2	.3	.3	.3	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	24	.5
14	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.1	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	24	.2
15	.2	.1	.1	.3	.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.1	.2	.1	.0	.0	.0	.1	.0	.0	.0	.0	24	.3
16	.0	.1	.1	.0	.0	.0	.0	.1	.3	.7	.8	.6	.6	.7	.8	.8	.5	.4	.1	.1	.1	.1	.1	.1	.0	24	.8
17	.1	.0	.0	.0	.0	.1	.2	.1	.1	.2	.7	.5	.4	.9	.6	.5	.4	.5	.4	.3	.2	.2	.1	.0	.0	24	.9
18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.3	.3	.2	.2	.2	.2	.1	.1	.0	.1	.0	.0	.0	.0	24	.3
19	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.4	.2	.1	.1	.1	.1	.1	.2	.1	.4	.8	.2	.2	.1	.0	24	.8
20	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.8	1.3	.6	.4	.2	.2	.1	.1	.1	.0	.1	.1	.1	.2	.2	24	1.3
21	.2	.2	.2	.1	.0	.0	.0	.0	.1	.1	.2	.2	.2	.2	.2	.4	.4	.3	.1	.1	.0	.1	.1	.1	.1	24	.4
22	.1	.1	.0	.1	.1	.1	.3	.5	.3	.5	1.1	1.3	1.2	1.2	1.1	1.1	1.1	.8	.4	.3	.1	.1	.1	.0	24	1.3	
23	.0	.0	.0	.0	.0	.0	.2	.2	BF	BF	.9	.8	.9	.9	.8	.7	.6	.4	.2	.1	.1	.0	.0	.0	.0	22	.9
24	.0	.0	.0	.0	.0	.0	.0	.1	.4	1.1	1.2	.4	.4	.6	.5	.4	.3	.2	.2	.1	.1	.1	.1	.0	.0	24	1.2
25	.0	.0	.0	.0	.0	.1	.3	.2	.2	.6	.5	.3	.2	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	24	.6
26	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.3	.2	.1	.3	.2	.2	.3	.3	.3	.2	.3	.3	.2	.3	.2	24	.3
27	.3	.4	.2	.1	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.1	.1	.3	.1	.0	24	.4
28	.1	.1	.2	.1	.1	.1	.1	.0	.0	.1	.1	.0	.1	.1	.1	.1	.3	.3	.0	.1	.1	.1	.1	.1	.3	24	.3
29	.4	.2	.2	.2	.2	.2	.3	.2	.2	.1	.1	.1	.2	.3	.3	.4	.4	.3	.2	.2	.1	.1	.1	.1	.1	24	.4
30	.1	.0	.0	.0	.2	.4	.4	.5	.3	.3	.2	.2	.3	.2	.1	.1	.1	.1	.1	.1	.2	.3	.5	.4	.0	24	.5
31	.2	.2	.2	.3	.2	.3	.5	.5	.7	.3	.2	.8	.2	.3	.4	.2	.2	.3	.2	.1	.1	.1	.2	.1	.0	24	.8
NO.:	31	31	31	31	31	31	31	30	28	26	28	30	31	31	30	31	31	31	31	31	31	31	31	31	31		
MAX:	.4	.4	.5	.5	.4	.4	.5	.5	.7	.7	1.1	1.3	1.2	1.2	1.1	1.1	1.1	.8	.4	.8	.3	.5	.5	.4			
AVG:	.05	.05	.05	.05	.03	.04	.09	.10	.14	.21	.34	.37	.31	.29	.26	.25	.21	.17	.09	.07	.07	.05	.06	.05			

MONTHLY OBSERVATIONS: 730 MONTHLY MEAN: .14 MONTHLY MAX: 1.3

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-119-0041 POC: 2  
 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: 7446-09-5  
 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: (560) INSTRUMENTAL Pulsed Fluorescent 43

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

REPORT FOR: NOVEMBER 2012

DURATION: 1 HOUR

UNITS: Parts per billion

MIN DETECTABLE: .2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	.1	.1	.1	.1	.1	.1	.2	.3	.5	BF	BF	.2	.1	.1	.0	.1	.1	.1	.2	.3	.5	.5	.3	.4	22	.5	
2	.7	.7	.3	.3	.2	.3	.3	.6	.9	1.0	.5	.4	.5	.6	.6	.6	.6	.6	1.3	1.3	1.1	.6	.4	.3	24	1.3	
3	.3	.2	.2	.3	.5	.6	.6	.7	.8	.9	1.1	1.3	1.8	1.1	1.0	.9	.8	.8	.7	.8	.7	.6	.8	1.0	24	1.8	
4	.9	.6	.5	.5	.5	.5	.6	.4	.5	.6	.7	.8	.9	.9	.8	.9	.8	.8	.6	.5	.7	.8	.5	.5	24	.9	
5	.5	1.2	.7	.5	.6	.8	1.1	1.2	1.5	1.6	1.4	1.1	.8	.8	.7	.7	.7	.6	.6	.8	.7	1.5	1.1	.8	24	1.6	
6	.7	.8	.7	.6	.8	.9	1.0	.9	.8	1.3	1.6	1.6	1.4	1.8	1.9	1.3	1.1	1.0	.8	.7	.5	.6	.6	.4	24	1.9	
7	.4	.2	.1	.1	.1	.1	.2	.2	.7	1.0	.7	.8	.8	.8	1.6	1.4	1.8	1.2	.8	.5	.6	.7	.4	.3	24	1.8	
8	.2	.2	.2	.2	.1	.2	.2	.3	.6	1.7	1.9	1.9	1.7	1.3	1.4	1.4	.9	.8	.7	1.0	.7	.6	.6	.4	24	1.9	
9	.4	.8	.8	.5	.4	.4	.5	.6	1.3	1.8	1.5	1.2	.8	.5	.6	.8	.6	.6	.6	1.1	1.4	1.3	1.5	1.1	24	1.8	
10	1.1	1.1	.9	.7	.6	.6	.5	.7	.5	.9	.7	.7	.7	.6	.5	.4	.4	.4	.6	.7	.9	.8	.8	1.8	24	1.8	
11	1.1	1.4	1.1	.5	.3	.3	.3	.4	1.3	2.4	1.8	1.4	.9	.7	.5	.9	.5	.8	.8	.6	.6	.5	.4	.3	24	2.4	
12	.2	.2	.2	.2	.1	.2	.1	.1	.2	.4	AZ	AZ	AZ	AZ	.8	.5	.8	1.6	2.2	2.3	1.8	1.1	.6	.4	20	2.3	
13	.3	.3	.2	.1	.0	.0	.0	.1	.1	.1	.1	BF	.2	.1	.3	.3	.4	.7	.7	.7	.7	.8	.9	.7	23	.9	
14	.8	.6	.3	.2	.5	.6	.5	1.2	1.3	1.1	.9	1.0	.9	.7	.7	.8	.9	.9	1.2	1.1	1.0	1.0	.9	.9	24	1.3	
15	.6	.4	.5	.7	.6	.4	.5	.6	.6	1.1	.8	.7	.6	.8	.8	.9	1.1	1.0	.9	1.1	.9	.5	.4	.3	24	1.1	
16	.3	.4	.4	.3	.3	.2	.2	.3	.6	1.7	2.1	1.5	1.5	1.2	.9	.8	.9	.9	.9	1.1	.8	.8	.8	1.7	24	2.1	
17	1.5	1.1	1.1	1.2	1.1	1.2	1.0	.9	1.4	1.7	1.1	.9	.6	.5	.4	.5	.5	.5	.6	.7	.7	.5	.5	.7	24	1.7	
18	1.9	1.6	.5	.4	.3	.3	.3	.4	.4	.3	.3	.2	.2	.2	.1	.1	.2	.2	.3	.3	.2	.2	.2	.3	24	1.9	
19	.3	.2	.2	.2	.3	.2	.2	.4	.3	.4	.5	.4	.2	.2	.3	.4	.6	.5	.3	.2	.4	.4	.3	.5	24	.6	
20	.3	.2	.1	.1	.1	.1	.2	.3	.5	.6	.6	.5	.4	.3	.4	.4	.5	.4	.4	.5	.5	.5	.6	.7	24	.7	
21	.7	.7	.7	.5	.2	.2	.1	.1	.1	.3	1.0	1.0	1.2	1.1	1.1	1.2	1.5	1.2	1.2	1.3	1.7	1.7	1.3	1.4	24	1.7	
22	1.4	1.0	1.5	2.0	1.7	1.1	1.2	1.3	1.8	2.9	3.5	2.6	1.9	1.9	1.9	1.6	1.3	1.2	1.0	1.1	1.0	1.0	.9	.8	24	3.5	
23	.9	.8	.8	.8	.6	.5	.5	.6	.5	1.0	1.0	.8	.7	.7	1.1	.7	.6	.6	1.0	.8	.5	.1	.0	.1	24	1.1	
24	.1	.2	.2	.3	.3	.3	.2	.1	.2	.5	.6	.6	.6	.3	.4	.4	.4	.4	4.9	6.7	.5	.4	.5	.1	24	6.7	
25	.2	.1	.1	.0	.0	.1	.2	.2	.2	.5	.8	1.4	.7	.6	.6	.5	.4	.5	.6	.7	.6	.4	.4	.3	24	1.4	
26	.3	.2	.2	.2	.2	.2	.3	.8	1.4	1.1	BF	BF	1.4	1.4	1.3	.6	.6	.7	.7	1.0	1.0	1.0	.7	.6	22	1.4	
27	.9	1.2	1.2	1.2	.8	.7	.9	.8	.7	.9	.9	1.0	.8	.7	.4	.3	.2	1.5	2.1	1.6	.9	.6	1.2	.9	24	2.1	
28	.5	.4	.4	1.1	1.3	2.2	1.6	1.0	1.5	2.3	2.8	1.5	1.0	2.6	6.1	4.5	3.3	2.0	1.5	1.3	1.0	.7	.6	.5	24	6.1	
29	.4	.3	.3	.3	.2	.3	.4	.4	.7	1.2	1.1	2.0	2.3	1.6	1.0	.9	.9	.8	.9	.7	.5	.3	.2	.2	24	2.3	
30	.1	.1	.1	.0	.0	.0	.2	.5	.5	2.6	3.3	2.4	2.1	1.6	1.1	1.0	.9	.8	.5	.4	.2	.1	.1	.1	24	3.3	
31																										0	
NO.:	30	30	30	30	30	30	30	30	30	29	27	27	29	29	30	30	30	30	30	30	30	30	30	30	30		
MAX:	1.9	1.6	1.5	2.0	1.7	2.2	1.6	1.3	1.8	2.9	3.5	2.6	2.3	2.6	6.1	4.5	3.3	2.0	4.9	6.7	1.8	1.7	1.5	1.8			
AVG:	.60	.58	.49	.47	.43	.45	.47	.55	.75	1.17	1.23	1.11	.96	.89	.97	.86	.81	.79	.99	1.06	.78	.69	.62	.62			

MONTHLY OBSERVATIONS: 711 MONTHLY MEAN: .76 MONTHLY MAX: 6.7

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-119-0041 POC: 2  
 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: 7446-09-5  
 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: DECEMBER 2012

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (560) INSTRUMENTAL Pulsed Fluorescent 43

UNITS: Parts per billion

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

MIN DETECTABLE: .2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	.1	.2	.2	.2	.2	.1	.1	.2	.1	.1	.3	.6	.9	.7	.5	.4	.3	.3	.4	.4	.3	.3	.2	.1	24	.9
2	.1	.0	.0	.0	.0	.0	.0	.1	.1	.5	2.4	3.1	2.2	1.3	1.4	1.1	.6	.5	.3	.2	.1	.1	.0	.0	24	3.1
3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.4	.3	.3	.3	.2	.2	.2	.2	.1	.1	.0	.0	24	.4
4	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	BF	BF	.7	.6	.2	.2	.1	.3	.2	.3	.4	.3	.2	.2	22	.7
5	.2	.2	.1	.1	.1	.1	.1	.2	.4	.4	.4	.5	.4	.9	.5	.2	.1	.1	.3	.5	.4	.6	.5	.3	24	.9
6	.4	.3	.6	1.1	1.1	1.0	.9	.7	.6	.5	.6	.7	.8	.8	.9	1.0	.8	.8	.8	.7	.8	.6	.5	.5	24	1.1
7	.5	.4	.8	.6	.6	.6	.6	.5	.5	.5	.4	.3	.2	.3	.3	.3	.2	.2	.1	.1	.1	.1	.1	.1	24	.8
8	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3	.3	.3	.4	.3	.3	.3	.3	.3	.3	.2	.2	.3	24	.4
9	.5	.5	.2	.1	.1	.1	.1	.1	.2	.5	.4	.3	.3	.3	.3	.2	.2	.1	.1	.1	.1	.1	.0	.0	24	.5
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5	.5	.4	.5	.1	.1	.0	.0	.0	.0	.0	.1	24	.5
11	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3	.3	.3	.3	.3	.2	.2	.1	.1	.1	.1	.1	.0	.0	24	.3
12	.0	.0	.0	.2	.5	.7	.8	1.0	1.0	.8	.8	.6	.7	.8	.5	.3	.3	.5	.6	.6	.6	.7	.7	.8	24	1.0
13	1.0	1.1	1.1	1.4	1.3	.9	1.0	1.5	1.9	2.4	BF	BF	2.2	1.7	1.3	1.0	1.0	.9	1.0	.9	1.0	.9	.8	.5	22	2.4
14	.4	.5	.5	.3	.3	.2	.4	.6	BF	BF	BC	BC	1.7	1.3	1.3	1.2	1.2	1.1	1.0	.9	.9	.7	.5	.6	20	1.7
15	.7	.6	.5	.4	.5	.5	.5	.5	.5	.8	.9	1.0	.6	.3	.2	.2	.1	.1	.2	.2	.2	.1	.1	.1	24	1.0
16	.3	.3	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	24	.3
17	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	-.1	.0	-.1	-.1	-.1	-.1	.0	-.1	.0	24	0.0
18	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.1	.0	.0	.0	.0	.1	.1	.1	.1	.5	.7	.1	.1	.1	.1	24	.7
19	.1	.1	.1	.1	.0	.0	.0	.1	.2	.3	.6	.9	.9	.5	.5	.4	.4	.4	.4	.5	.5	.3	.3	.3	24	.9
20	.3	.3	.3	.2	.2	.2	.2	.2	.2	.2	.3	.3	.3	.3	.7	.3	.3	.2	.0	-.1	-.1	-.1	-.1	-.1	24	.7
21	-.1	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	24	.1
22	.1	.2	.2	.2	.3	.3	.2	.2	.3	.3	.3	.3	.3	.4	.2	.2	.0	.1	.1	.2	.6	.2	.1	.0	24	.6
23	.1	.1	.0	.1	.1	.2	.1	.2	.2	.4	.5	.7	.8	1.7	.4	.3	.2	.2	.2	.1	.2	.3	.6	.7	24	1.7
24	1.0	1.0	.9	.8	.7	.6	.8	.8	.8	.9	.9	.5	.3	.2	.0	.0	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	24	1.0
25	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	0.0
26	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	BF	BF	.0	-.1	-.1	-.1	.0	.0	-.1	-.1	-.1	.0	.1	.2	22	.2
27	.3	.3	.2	.2	.2	.1	.0	.0	.1	.2	.2	.3	.1	.1	.0	.0	.0	.0	.0	1.0	.5	.0	-.1	-.1	24	1.0
28	-.1	.0	.0	-.1	-.1	-.1	.0	.0	.0	.1	.4	.3	.3	.3	.2	.2	.2	.2	.1	.0	.1	.1	.1	.1	24	.4
29	.2	.1	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	.0	.0	.1	.2	.2	.3	.0	.2	.2	.1	.1	.3	.3	.6	24	.6
30	.8	.6	.3	.2	.2	.2	.2	.1	.2	.6	.9	.5	.4	.5	.3	.3	.3	.2	.1	.1	.2	.2	.2	.2	24	.9
31	.2	.2	.2	.1	.1	.1	.1	.1	.2	.2	.3	.7	.5	1.0	.9	.7	.5	.2	.3	.4	.4	.5	.7	.7	24	1.0
NO.:	31	31	31	31	31	31	31	31	30	30	27	27	31	31	31	31	31	31	31	31	31	31	31	31		
MAX:	1.0	1.1	1.1	1.4	1.3	1.0	1.0	1.5	1.9	2.4	2.4	3.1	2.2	1.7	1.4	1.2	1.2	1.1	1.0	1.0	1.0	.9	.8	.8		
AVG:	.22	.22	.19	.18	.18	.16	.17	.22	.24	.33	.41	.47	.52	.50	.39	.33	.25	.23	.23	.26	.25	.22	.19	.20		

MONTHLY OBSERVATIONS: 734 MONTHLY MEAN: .27 MONTHLY MAX: 3.1

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-129-0006 POC: 1  
 COUNTY: (129) New Hanover  
 CITY: (00000) Not in a city  
 SITE ADDRESS: HIGHWAY 421 NORTH  
 SITE COMMENTS:  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (170) SOUTHERN COASTAL PLAIN  
 URBANIZED AREA: (9200) WILMINGTON, NC  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.268403  
 LONGITUDE: -77.956529  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 6  
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JANUARY 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0
2	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0	1.0	1.0	1.0	12.0	11.0	11.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	12.0
3	BD	1.0	2.0	1.0	2.0	6.0	2.0	8.0	4.0	2.0	2.0	2.0	BC	BC	BC	14.0	18.0	9.0	2.0	2.0	5.0	1.0	1.0	2.0	20	18.0
4	BD	2.0	3.0	3.0	2.0	2.0	2.0	BE	BE	BE	BE	BE	BE	BE	BE	BE	BA	BA	BA	BA	BA	BA	BA	BA	6	3.0
5	BD	BA	BA	BA	BA	BA	BA	BA	BC	BC	BC	BC	BC	25.0	24.0	8.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	11	25.0
6	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	2.0	2.0	2.0	2.0	3.0	5.0	4.0	3.0	1.0	1.0	1.0	1.0	1.0	23	5.0
7	BD	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	23	3.0
8	BD	1.0	1.0	1.0	1.0	.0	.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
9	BD	1.0	1.0	.0	1.0	1.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
10	BD	1.0	1.0	.0	.0	1.0	.0	.0	.0	.0	1.0	1.0	1.0	.0	11.0	61.0	23.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	61.0
11	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.0	23	1.0
12	BD	1.0	1.0	1.0	.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
13	BD	1.0	1.0	1.0	.0	.0	.0	.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
14	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	7.0	1.0	27.0	32.0	17.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	32.0
15	BD	1.0	1.0	1.0	1.0	1.0	1.0	2.0	4.0	2.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	4.0
16	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0
17	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	BC	BC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	21	1.0
18	BD	1.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0
19	BD	1.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	18.0	2.0	2.0	4.0	3.0	1.0	1.0	3.0	2.0	4.0	2.0	1.0	23	18.0
20	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	23	3.0
21	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	.0	.0	.0	.0	23	1.0
22	BD	1.0	.0	.0	.0	.0	1.0	.0	1.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	1.0
23	BD	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
24	BD	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	23	1.0
25	BD	.0	.0	.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0
26	BD	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	23	2.0
27	BD	1.0	1.0	1.0	.0	.0	1.0	1.0	1.0	1.0	.0	.0	.0	1.0	1.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	23	1.0
28	BD	.0	.0	.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	23	1.0
29	BD	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	7.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	7.0
30	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	5.0	1.0	2.0	10.0	21.0	3.0	12.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	21.0
31	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	BC	BC	BC	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	20	2.0
NO.:		30	30	30	30	30	30	29	29	29	29	29	27	27	27	30	30	30	30	30	30	30	30	30		
MAX:		2.0	3.0	3.0	2.0	6.0	2.0	8.0	4.0	7.0	3.0	27.0	32.0	25.0	24.0	61.0	23.0	9.0	3.0	3.0	5.0	4.0	2.0	2.0		
AVG:		.97	.87	.80	.83	1.03	.77	1.10	1.28	1.41	1.21	2.03	3.67	3.70	2.78	4.50	2.67	1.30	1.03	1.00	1.07	1.00	.93	.93		

MONTHLY OBSERVATIONS: 676 MONTHLY MEAN: 1.58 MONTHLY MAX: 61.0

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-129-0006 POC: 1  
 COUNTY: (129) New Hanover  
 CITY: (00000) Not in a city  
 SITE ADDRESS: HIGHWAY 421 NORTH  
 SITE COMMENTS:  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (170) SOUTHERN COASTAL PLAIN  
 URBANIZED AREA: (9200) WILMINGTON, NC  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.268403  
 LONGITUDE: -77.956529  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 6  
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: FEBRUARY 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM		
1	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0		
2	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0		
3	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0		
4	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.0	9.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	9.0		
5	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.0	4.0	6.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	6.0		
6	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0		
7	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	AZ	AZ	AZ	BA	BC	BC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	17	1.0		
8	BD	1.0	1.0	1.0	1.0	1.0	1.0	AT	AT	1.0	2.0	BA	BC	BC	2.0	2.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	18	2.0		
9	BD	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0	3.0	4.0	3.0	3.0	3.0	3.0	5.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	23	5.0		
10	BD	2.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0		
11	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	9.0	2.0	2.0	2.0	7.0	4.0	5.0	6.0	2.0	1.0	1.0	1.0	1.0	23	10.0		
12	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0	20.0	5.0	9.0	5.0	9.0	1.0	1.0	1.0	1.0	1.0	1.0	23	20.0		
13	BD	2.0	4.0	1.0	2.0	2.0	2.0	3.0	3.0	2.0	2.0	18.0	5.0	3.0	2.0	4.0	3.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0	23	18.0		
14	BD	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	2.0	2.0	3.0	4.0	4.0	5.0	3.0	2.0	3.0	3.0	2.0	2.0	1.0	1.0	2.0	23	5.0		
15	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0		
16	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0		
17	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	10.0		
18	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0		
19	BD	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0		
20	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0		
21	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0		
22	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	BC	BC	BC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	20	1.0		
23	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0		
24	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	1.0	23	1.0	
25	BD	3.0	1.0	1.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	3.0		
26	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0		
27	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0		
28	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0		
29	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0		
30																										0		
31																											0	
NO.:	29	29	29	29	29	29	29	28	28	28	27	26	27	27	28	28	29	29	29	29	29	29	29	29	29			
MAX:	3.0	4.0	1.0	3.0	2.0	2.0	3.0	3.0	3.0	3.0	10.0	18.0	6.0	20.0	5.0	9.0	5.0	9.0	6.0	3.0	2.0	1.0	1.0	1.0	2.0			
AVG:	1.14	1.10	1.00	1.10	1.03	1.03	1.14	1.21	1.29	1.96	2.73	1.78	2.41	1.61	1.89	1.52	1.62	1.34	1.17	1.07	.97	.97	1.03					

MONTHLY OBSERVATIONS: 653 MONTHLY MEAN: 1.38 MONTHLY MAX: 20.0

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

(42401) Sulfur dioxide

SITE ID: 37-129-0006 POC: 1  
 COUNTY: (129) New Hanover  
 CITY: (00000) Not in a city  
 SITE ADDRESS: HIGHWAY 421 NORTH  
 SITE COMMENTS:  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (170) SOUTHERN COASTAL PLAIN  
 URBANIZED AREA: (9200) WILMINGTON, NC  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.268403  
 LONGITUDE: -77.956529  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 6  
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: MARCH 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	BD	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	23	1.0	
2	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	.0	.0	23	2.0
3	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	23	1.0
4	BD	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	3.0	5.0	2.0	1.0	2.0	1.0	8.0	2.0	1.0	1.0	1.0	23	8.0
5	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	19.0	17.0	11.0	2.0	1.0	1.0	1.0	1.0	3.0	3.0	2.0	2.0	23	19.0
6	BD	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0
7	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	BC	BC	BC	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	20	2.0
8	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	23	2.0
9	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
10	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	3.0
11	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
12	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
13	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	23	1.0
14	BD	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0	4.0	44.0	54.0	7.0	1.0	3.0	3.0	2.0	2.0	1.0	1.0	1.0	.0	.0	23	54.0
15	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	3.0
16	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
17	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	11.0	7.0	3.0	2.0	2.0	4.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	11.0
18	BD	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	1.0	1.0	1.0	1.0	5.0	36.0	42.0	2.0	1.0	1.0	1.0	.0	.0	.0	1.0	23	42.0
19	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0
20	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	2.0	BC	BC	BC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	20	3.0
21	BD	1.0	1.0	1.0	1.0	1.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	.0	23	1.0
22	BD	.0	1.0	1.0	1.0	1.0	1.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	23	1.0
23	BD	.0	1.0	.0	.0	.0	1.0	.0	1.0	2.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	23	4.0
24	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	1.0	1.0	.0	.0	.0	.0	1.0	1.0	23	1.0
25	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	4.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	23	4.0
26	BD	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	1.0	1.0	1.0	23	1.0
27	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	2.0	1.0	1.0	1.0	1.0	23	3.0
28	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
29	BD	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	3.0	33.0	36.0	23.0	24.0	14.0	6.0	9.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	23	36.0
30	BD	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0
31	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	2.0	4.0	1.0	2.0	1.0	1.0	1.0	.0	.0	.0	.0	23	4.0
NO.:		31	31	31	31	31	31	31	31	30	30	29	30	30	31	31	31	31	31	31	31	31	31	31		
MAX:		1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0	33.0	44.0	54.0	24.0	36.0	42.0	9.0	2.0	3.0	8.0	3.0	3.0	2.0	2.0		
AVG:		.84	.87	.81	.81	.84	.84	.87	.94	1.30	2.73	3.93	3.70	2.90	3.32	3.16	1.45	1.13	1.00	1.10	.84	.81	.68	.74		

MONTHLY OBSERVATIONS: 707 MONTHLY MEAN: 1.53 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

(42401) Sulfur dioxide

SITE ID: 37-129-0006 POC: 1  
 COUNTY: (129) New Hanover  
 CITY: (00000) Not in a city  
 SITE ADDRESS: HIGHWAY 421 NORTH  
 SITE COMMENTS:  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (170) SOUTHERN COASTAL PLAIN  
 URBANIZED AREA: (9200) WILMINGTON, NC  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.268403  
 LONGITUDE: -77.956529  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 6  
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: APRIL 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	BD	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	.0	23	2.0	
2	BD	1.0	.0	.0	.0	.0	1.0	1.0	BC	BC	BC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	.0	.0	.0	20	1.0	
3	BD	.0	1.0	.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0	
4	BD	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	23	2.0	
5	BD	.0	.0	.0	.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0	
6	BD	1.0	1.0	1.0	.0	1.0	.0	1.0	.0	1.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0	
7	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	6.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	6.0	
8	BD	1.0	1.0	1.0	1.0	1.0	1.0	2.0	10.0	31.0	33.0	20.0	12.0	17.0	12.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	23	33.0	
9	BD	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	2.0	2.0	1.0	9.0	8.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	9.0	
10	BD	1.0	1.0	1.0	1.0	1.0	4.0	2.0	2.0	1.0	6.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	6.0	
11	BD	1.0	1.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0	1.0	2.0	5.0	14.0	5.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	14.0	
12	BD	2.0	2.0	2.0	1.0	1.0	1.0	2.0	1.0	2.0	1.0	1.0	3.0	1.0	6.0	5.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	6.0	
13	BD	1.0	1.0	1.0	1.0	1.0	2.0	2.0	17.0	5.0	7.0	16.0	12.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	23	17.0	
14	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0	
15	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0	
16	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	BC	BC	BC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	20	1.0	
17	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0	
18	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	6.0	
19	BD	1.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	.0	.0	.0	1.0	1.0	.0	.0	1.0	.0	.0	.0	23	1.0	
20	BD	1.0	1.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	4.0	16.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	23	16.0	
21	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	.0	.0	23	2.0	
22	BD	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	23	1.0	
23	BD	1.0	1.0	3.0	7.0	4.0	2.0	2.0	12.0	8.0	8.0	1.0	1.0	2.0	1.0	14.0	21.0	3.0	3.0	1.0	1.0	1.0	1.0	1.0	23	21.0	
24	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.0	1.0	1.0	1.0	1.0	1.0	8.0	5.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	23	8.0	
25	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0	
26	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0	
27	BD	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	21.0	32.0	51.0	54.0	8.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	.0	23	54.0	
28	BD	1.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0	.0	1.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	23	1.0	
29	BD	1.0	.0	.0	1.0	1.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	1.0	.0	.0	.0	23	1.0	
30	BD	.0	1.0	.0	.0	.0	1.0	.0	BC	BC	BC	1.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	1.0	20	1.0	
31																										0	
NO.:	30	30	30	30	30	30	30	30	27	27	27	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
MAX:	2.0	2.0	3.0	7.0	4.0	4.0	4.0	2.0	17.0	31.0	33.0	32.0	51.0	54.0	16.0	14.0	21.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	23	1.0	
AVG:	.87	.80	.80	.93	.93	1.03	1.00	1.00	2.67	2.96	3.48	3.37	3.87	4.13	2.37	1.90	2.10	1.20	1.00	.87	.90	.77	.73	.73			

MONTHLY OBSERVATIONS: 681 MONTHLY MEAN: 1.70 MONTHLY MAX: 54.0

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 PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
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 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: MAY 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
2	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
3	BD	.0	.0	.0	.0	.0	1.0	1.0	1.0	4.0	8.0	5.0	7.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	23	8.0
4	BD	.0	.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	13.0	10.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	13.0
5	BD	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	3.0	8.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	8.0
6	BD	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	23	1.0
7	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
8	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
9	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	23	1.0
10	BD	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	5.0	BC	BC	4.0	12.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	21	12.0
11	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	8.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	8.0
12	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	23	1.0
13	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
14	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
15	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	4.0
16	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
17	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	23	2.0
18	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
19	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
20	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0
21	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
22	BD	1.0	.0	.0	1.0	.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	2.0	1.0	1.0	.0	1.0	1.0	1.0	23	2.0
23	BD	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0
24	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	BC	BC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	21	1.0
25	BD	.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	23	1.0
26	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
27	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
28	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	23	1.0
29	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	1.0	.0	.0	.0	23	1.0
30	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	23	1.0
31	BD	1.0	.0	.0	1.0	1.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	23	1.0
NO.:		31	31	31	31	31	31	31	30	30	31	31	30	31	31	31	31	31	31	31	31	31	31	31		
MAX:		1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	4.0	8.0	5.0	7.0	13.0	10.0	12.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0		
AVG:		.74	.71	.71	.74	.74	.77	.84	.87	.97	1.10	1.13	1.10	1.33	1.81	1.26	.81	.77	.77	.74	.71	.68	.74	.71		

MONTHLY OBSERVATIONS: 709 MONTHLY MEAN: .90 MONTHLY MAX: 13.0

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 RAW DATA REPORT

Dec. 15, 2015

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MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	BD	1.0	1.0	.0	1.0	1.0	2.0	3.0	2.0	1.0	.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	.0	.0	23	3.0	
2	BD	.0	.0	.0	1.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	7.0	4.0	2.0	1.0	.0	1.0	.0	1.0	1.0	.0	23	12.0	
3	BD	.0	.0	1.0	1.0	1.0	1.0	9.0	7.0	3.0	13.0	7.0	7.0	22.0	9.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	22.0	
4	BD	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	23	1.0	
5	BD	1.0	.0	1.0	1.0	.0	.0	.0	.0	1.0	1.0	.0	.0	1.0	1.0	.0	.0	1.0	.0	1.0	1.0	.0	.0	.0	23	1.0	
6	BD	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	.0	.0	1.0	.0	1.0	.0	1.0	1.0	23	1.0	
7	BD	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	BC	BC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	.0	21	1.0	
8	BD	1.0	1.0	1.0	1.0	1.0	1.0	2.0	10.0	45.0	29.0	25.0	26.0	22.0	4.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	23	45.0	
9	BD	1.0	.0	1.0	1.0	.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	1.0	.0	23	2.0	
10	BD	1.0	1.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0	
11	BD	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	2.0	1.0	1.0	23	3.0	
12	BD	1.0	1.0	1.0	3.0	2.0	4.0	BC	BA	BA	BA	BC	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	18	4.0	
13	BD	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0	
14	BD	AN	AN	AN	AN	AN	AN	AN	AN	AN	BA	BA	BC	BC	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	.0	10	1.0	
15	BD	1.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	.0	1.0	.0	1.0	.0	1.0	1.0	1.0	23	1.0	
16	BD	1.0	1.0	1.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	23	1.0	
17	BD	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	23	1.0	
18	BD	1.0	.0	1.0	1.0	1.0	.0	1.0	2.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	3.0	
19	BD	1.0	1.0	1.0	1.0	1.0	1.0	3.0	5.0	5.0	2.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	23	5.0	
20	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	24.0	16.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	23	24.0	
21	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	23	1.0	
22	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	23	1.0	
23	BD	1.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	23	2.0	
24	BD	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	2.0	6.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	6.0	
25	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	23	1.0	
26	BD	1.0	1.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	1.0	
27	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	BC	BC	BC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	20	1.0	
28	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0	33.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	33.0	
29	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23	2.0	
30	BD	1.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	2.0	22.0	37.0	15.0	2.0	2.0	2.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0	.0	23	37.0	
31																									0		
NO.:	29	29	29	29	29	29	29	28	28	27	27	28	28	28	29	30	30	30	30	30	30	30	30	30	30		
MAX:	1.0	2.0	1.0	3.0	3.0	4.0	9.0	10.0	45.0	29.0	37.0	26.0	24.0	16.0	4.0	3.0	2.0	2.0	2.0	3.0	3.0	2.0	1.0	1.0			
AVG:	.83	.66	.69	.69	.72	.97	1.39	1.96	4.26	3.59	3.29	2.82	3.82	2.10	1.30	1.10	1.03	.93	.83	.83	.83	.80	.67				

MONTHLY OBSERVATIONS: 667 MONTHLY MEAN: 1.54 MONTHLY MAX: 45.0

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-129-0006 POC: 1  
 COUNTY: (129) New Hanover  
 CITY: (00000) Not in a city  
 SITE ADDRESS: HIGHWAY 421 NORTH  
 SITE COMMENTS:  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (170) SOUTHERN COASTAL PLAIN  
 URBANIZED AREA: (9200) WILMINGTON, NC  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.268403  
 LONGITUDE: -77.956529  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 6  
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JULY 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	BD	.7	.6	.5	.5	.6	.6	.7	.9	1.0	.9	1.0	1.2	1.5	1.5	1.3	1.1	.7	.7	.7	.8	.6	.6	.7	23	1.5
2	BD	.8	.7	.6	.5	.5	.6	.9	.8	1.9	15.6	2.3	3.8	12.7	2.4	3.5	1.2	4.0	.8	.7	.7	.7	.7	.6	23	15.6
3	BD	.9	.8	.7	.7	.9	.7	1.0	1.5	1.6	1.9	1.7	1.2	1.0	1.4	1.3	1.2	1.0	.8	.7	.7	.7	.7	.5	23	1.9
4	BD	.7	.7	.7	.7	.6	.7	1.1	1.1	1.0	.9	.8	.9	.9	.9	1.1	1.1	1.3	1.4	1.1	1.0	.8	.8	.8	23	1.4
5	BD	.8	.6	.7	.7	.8	.9	.7	.8	.8	.9	.9	.9	.8	.9	1.0	1.1	1.0	.9	.7	.6	.6	.6	.6	23	1.1
6	BD	.8	.7	.7	.7	.7	.7	1.0	1.3	1.3	1.4	1.4	1.1	1.0	.9	.8	1.1	1.1	1.0	.9	1.0	.7	.8	.7	23	1.4
7	BD	.8	.8	.7	.8	.7	1.0	1.3	1.6	1.7	1.4	1.1	1.0	1.1	.9	.9	1.1	1.2	1.0	1.2	1.1	.9	.9	.9	23	1.7
8	BD	.9	.8	.8	.8	.9	1.2	1.4	1.4	1.1	1.2	1.5	1.4	1.1	1.4	1.4	1.5	1.8	1.2	.9	.9	.9	.9	.8	23	1.8
9	BD	.8	.7	.8	.8	.8	1.0	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.7	1.7	1.4	1.1	1.2	.8	.8	.8	.8	23	1.7
10	BD	.8	.7	.7	.8	.7	.8	.9	.8	1.3	9.8	8.0	6.4	2.8	1.0	.7	.8	.7	.8	.7	.7	.7	.7	.7	23	9.8
11	BD	.8	.6	.6	.6	.8	.8	BC	BC	BC	BJ	BJ	3.3	2.5	1.5	1.1	.8	.6	.7	.4	.6	.5	.5	.5	18	3.3
12	BD	.6	.6	.7	.8	.6	.6	.5	.6	.9	.9	.8	.9	.8	.6	.7	.6	.7	.7	.6	.6	.6	.6	.6	23	.9
13	BD	.8	.6	.5	.5	.6	.5	.6	.6	.6	.6	.6	.6	.6	.7	.6	.6	.7	.6	.7	.7	.6	.7	.6	23	.8
14	BD	1.0	.7	.7	.6	.6	.6	.6	.6	.6	.6	.7	.6	.6	.7	.6	.6	.6	.7	.5	.6	.6	.6	.7	23	1.0
15	BD	.8	.7	.7	.6	.5	.6	.6	.7	.7	.6	.6	.6	.7	.8	.7	.6	.7	.6	.5	.6	.5	.6	.6	23	.8
16	BD	.9	.7	.7	.6	.7	.7	.7	.6	.7	.8	1.2	.6	.6	.5	.6	.7	.6	.6	.6	.7	.6	.6	.5	23	1.2
17	BD	.8	.7	.7	.7	.7	.5	.8	1.4	1.1	1.2	1.1	1.0	.8	.9	1.0	.9	.8	.6	.7	.5	.5	.6	.6	23	1.4
18	BD	.8	.7	.6	.6	.7	.7	.7	.7	.8	.9	.8	.8	.8	.7	.7	.6	.7	.6	.6	.6	.7	.6	.6	23	.9
19	BD	.8	.6	.7	.6	.7	.7	.9	1.0	1.0	.9	.9	.9	.9	.8	.9	.9	.8	.8	.7	.6	.6	.7	.6	23	1.0
20	BD	.8	.6	.5	.6	.5	.6	.8	.7	.5	1.9	1.3	.7	.8	.9	.8	.7	.8	.7	.7	.7	.6	.6	.6	23	1.9
21	BD	.9	.7	.7	.8	1.0	1.0	1.1	.9	.9	.9	1.1	.9	.7	.8	.8	.8	.7	.7	.7	.6	.6	.7	.6	23	1.1
22	BD	.9	.8	.7	.7	.7	.6	1.0	1.3	1.1	1.0	.9	3.5	11.9	1.9	1.1	1.0	.9	.9	.6	.7	.6	.6	.7	23	11.9
23	BD	.7	.6	.6	.7	.5	.7	.9	.7	.6	30.2	46.9	2.8	2.0	1.0	1.4	.9	.8	.6	.8	.8	.8	.8	.7	23	46.9
24	BD	.9	.6	.6	.6	.7	.9	.9	1.0	.9	.9	.8	.8	.8	.9	.9	.8	.8	.6	.7	.8	.8	.7	.5	23	1.0
25	BD	.9	.7	.7	.7	.6	1.0	BC	BC	1.7	1.6	1.3	1.1	1.4	1.0	1.2	1.4	1.1	1.2	1.6	1.5	1.2	.8	1.0	21	1.7
26	BD	1.0	.9	.7	.7	.6	.8	1.0	1.0	1.2	1.3	.9	.9	.8	.8	.9	1.0	1.0	.9	.7	.7	.6	.6	.5	23	1.3
27	BD	.4	.5	.6	.6	.4	.6	1.5	1.3	1.2	1.0	.9	1.0	.9	.9	1.3	1.3	1.1	.9	.9	.8	.6	.6	.7	23	1.5
28	BD	.9	.5	.6	.6	.5	.8	1.0	1.2	1.1	1.0	1.2	1.5	1.5	1.5	1.2	.9	.6	.4	.4	.5	.6	.5	.4	23	1.5
29	BD	.3	.4	.4	.5	.2	.4	.7	11.3	9.7	1.5	5.9	5.4	1.2	1.0	.9	.6	.6	.5	.6	.6	.5	.5	.6	23	11.3
30	BD	.7	.6	.6	.5	.6	.6	.7	.7	.6	.6	.6	.7	.9	.8	.7	.8	.8	.8	.8	.6	.6	.6	.7	23	.9
31	BD	.8	.6	.6	.7	.6	.5	.7	.7	.8	.7	.6	.7	.5	.7	.7	1.0	.8	.7	.7	.6	.6	.5	.5	23	1.0
NO.:		31	31	31	31	31	31	29	29	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31		
MAX:		1.0	.9	.8	.8	1.0	1.2	1.5	11.3	9.7	30.2	46.9	6.4	12.7	2.4	3.5	1.7	4.0	1.4	1.6	1.5	1.2	.9	1.0		
AVG:		.79	.66	.65	.65	.65	.72	.90	1.33	1.33	2.82	2.97	1.57	1.81	1.04	1.05	.95	.98	.79	.75	.73	.67	.66	.64		

MONTHLY OBSERVATIONS: 706 MONTHLY MEAN: 1.09 MONTHLY MAX: 46.9

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-129-0006 POC: 1  
 COUNTY: (129) New Hanover  
 CITY: (00000) Not in a city  
 SITE ADDRESS: HIGHWAY 421 NORTH  
 SITE COMMENTS:  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (170) SOUTHERN COASTAL PLAIN  
 URBANIZED AREA: (9200) WILMINGTON, NC  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.268403  
 LONGITUDE: -77.956529  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 6  
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: AUGUST 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	BD	.8	.7	.5	.6	.7	.4	.5	.5	.5	.6	.6	.6	.9	11.9	15.4	17.6	5.7	1.3	1.0	.8	.5	.4	.4	23	17.6
2	BD	.6	.5	.5	.5	.5	.4	.5	.5	.8	.8	2.0	1.5	1.2	1.2	1.3	1.0	.6	.7	.9	.6	.6	.6	.6	23	2.0
3	BD	.7	.6	.6	.6	.7	.7	1.0	.9	.8	.7	.6	.6	.5	.8	.8	.8	.8	.7	.4	.6	.6	.5	.6	23	1.0
4	BD	.7	.6	.7	.6	.7	.7	.7	.8	.9	.7	.6	.7	.6	.6	.6	.7	.7	.7	.7	.6	.5	.5	.6	23	.9
5	BD	.7	.7	.7	.6	.5	.7	.7	.6	.7	.5	.6	.7	.8	.6	.3	.4	.6	.7	.7	.7	.7	.6	.8	23	.8
6	BD	.8	.7	.9	.8	.9	.7	.6	.5	.4	.6	1.7	1.8	.6	.5	.8	.8	.6	.6	.5	.6	.5	.4	.5	23	1.8
7	BD	.6	.5	.5	.5	.5	.5	.6	.8	1.0	.7	.6	.6	.7	.7	.7	.6	.7	.7	.6	.5	.6	.6	.6	23	1.0
8	BD	.6	.5	.6	.5	.5	.6	.6	.7	1.0	1.0	4.4	4.6	1.1	1.1	1.4	1.2	1.2	1.4	.8	.6	.5	.6	.5	23	4.6
9	BD	.8	.6	.7	.6	.7	.7	.6	.8	.8	.7	.7	.7	.8	.7	.8	.8	.5	.5	.5	.4	.6	.6	.5	23	.8
10	BD	.7	.6	.6	.6	.4	.5	.4	.6	.5	.6	.5	.5	.5	.5	.6	.4	.5	.6	.5	.5	.5	.6	.4	23	.7
11	BD	.6	.4	.5	.5	.5	.5	.5	.6	.6	.6	.6	.6	.5	.7	.3	.5	.4	.4	.3	.4	.3	.3	.4	23	.7
12	BD	.5	.4	.5	.6	.6	.4	BC	BC	BC	BC	.7	.7	.7	.6	.5	.5	.5	.5	.4	.5	.4	.4	.4	20	.7
13	BD	.5	.6	.6	.6	.7	.7	.7	.8	5.9	32.0	3.8	1.1	1.4	.9	.7	.7	.7	.7	.5	.6	.6	.4	.4	23	32.0
14	BD	.6	.5	.5	.5	.5	.6	.7	1.1	.9	.7	.7	.8	.8	.8	.8	.9	1.1	.9	.9	.7	.7	.5	.4	23	1.1
15	BD	.7	.6	.4	.5	.5	.6	1.2	1.6	.8	.6	.7	.6	.6	.7	.8	.8	.6	.5	.5	.4	.3	.4	.3	23	1.6
16	BD	.6	.4	.3	.4	.5	1.4	5.8	7.1	11.4	16.6	14.2	18.9	32.0	30.2	3.3	1.3	.8	.9	.7	.5	.5	.4	.2	23	32.0
17	BD	.2	.2	.2	.4	.5	.4	.6	.5	.7	.8	.7	.7	.7	.6	.6	.7	.6	.4	.3	.2	.3	.3	.3	23	.8
18	BD	.3	.4	.4	.4	.4	.3	.6	1.0	1.1	1.0	.8	.7	.6	1.3	.6	.5	.5	.5	.4	.4	.2	.1	.2	23	1.3
19	BD	.4	.2	.3	.4	.5	.6	.6	.5	.8	.6	.7	.8	.7	.6	.4	1.9	.8	.4	.5	.4	.4	.3	.4	23	1.9
20	BD	.6	.5	.4	.5	.4	.4	.4	.6	.5	7.4	13.7	2.8	14.7	4.0	1.2	.6	.4	.5	.4	.3	.4	.3	.4	23	14.7
21	BD	.4	.3	.3	.0	.0	-.1	-.5	-.1	.0	.0	-.3	-.3	-.4	-.5	-.4	-.3	-.3	-.2	-.4	-.3	-.5	-.4	-.4	23	.4
22	BD	.1	.0	.0	-.1	-.4	-.1	-.2	-.3	-.7	-.4	-.5	-.2	-.2	-.3	-.2	.1	.0	.0	-.3	-.5	-.1	-.3	-.2	23	.1
23	BD	.0	-.1	-.2	-.7	-.3	-.3	-.2	BC	BC	.0	.3	.3	.1	.1	.1	-.1	.1	-.2	.0	.0	.1	-.4	-.2	21	.3
24	BD	.4	.2	.3	.5	.2	.3	.4	.2	BA	BA	BC	BC	BC	1.0	1.0	1.0	.9	1.0	1.1	.9	.7	.8	.9	18	1.1
25	BD	1.2	1.0	1.1	1.3	1.2	1.2	1.2	1.2	1.8	4.3	25.2	35.5	12.8	3.7	3.0	1.5	1.2	1.2	1.2	1.0	1.1	1.1	1.1	23	35.5
26	BD	1.1	1.1	1.0	1.0	1.0	1.0	.9	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.0	.9	.9	.8	.8	.8	1.0	23	1.2
27	BD	1.2	1.1	.9	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.2	1.1	1.0	1.2	1.2	1.3	1.2	1.2	1.0	.9	.8	.9	.9	23	1.3
28	BD	1.2	.8	.9	.9	1.0	1.0	1.0	1.0	1.1	1.0	1.2	1.2	1.1	1.0	.8	1.0	1.0	.9	.9	.8	.9	.8	.8	23	1.2
29	BD	1.0	1.0	.9	1.0	.9	.9	1.1	1.1	1.0	1.0	.9	1.1	15.5	8.7	3.6	1.3	1.2	1.0	.9	.9	1.0	1.0	.6	23	15.5
30	BD	1.1	.9	.9	1.0	.9	.9	1.0	1.0	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.2	.8	1.0	1.1	1.2	1.2	1.2	23	1.2
31	BD	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.8	3.8	13.2	2.6	1.2	1.4	1.9	1.9	1.4	1.2	1.2	.9	1.1	1.0	.8	23	13.2
NO.:		31	31	31	31	31	31	31	29	28	29	30	30	30	31	31	31	31	31	31	31	31	31	31		
MAX:		1.2	1.1	1.2	1.3	1.2	1.4	5.8	7.1	11.4	32.0	25.2	35.5	32.0	30.2	15.4	17.6	5.7	1.4	1.2	1.1	1.2	1.2	1.2		
AVG:		.67	.57	.57	.58	.58	.61	.80	.97	1.38	2.77	3.08	2.79	3.12	2.50	1.46	1.37	.88	.69	.62	.54	.55	.49	.50		

MONTHLY OBSERVATIONS: 703 MONTHLY MEAN: 1.21 MONTHLY MAX: 35.5

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-129-0006 POC: 1  
 COUNTY: (129) New Hanover  
 CITY: (00000) Not in a city  
 SITE ADDRESS: HIGHWAY 421 NORTH  
 SITE COMMENTS:  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (170) SOUTHERN COASTAL PLAIN  
 URBANIZED AREA: (9200) WILMINGTON, NC  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.268403  
 LONGITUDE: -77.956529  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 6  
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: SEPTEMBER 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	BD	1.2	1.1	.9	.9	.8	.9	1.2	1.4	1.8	4.8	15.3	2.7	1.3	1.2	1.1	1.1	1.2	.9	1.0	1.1	1.1	1.1	.8	23	15.3	
2	BD	1.3	1.1	1.0	1.1	1.0	.9	1.1	1.2	1.8	6.8	2.2	1.0	1.1	1.3	3.2	1.2	1.2	1.2	1.0	1.1	1.1	1.0	1.0	23	6.8	
3	BD	1.2	1.2	1.1	1.0	1.0	1.2	1.2	1.2	1.1	1.2	2.0	1.4	1.4	1.3	1.3	1.3	1.2	1.1	1.1	1.0	1.0	1.0	.8	23	2.0	
4	BD	1.2	1.1	1.2	1.1	.9	1.2	1.2	1.2	1.2	1.1	1.4	2.1	2.1	2.0	1.5	1.3	1.4	1.0	.9	.9	.9	1.0	1.2	23	2.1	
5	BD	1.3	1.2	1.2	1.2	1.2	1.1	1.1	1.2	1.2	1.2	1.1	1.1	1.1	1.1	.9	.9	1.0	.7	.8	.6	.7	.7	.6	23	1.3	
6	BD	1.0	.7	.6	.9	.9	.8	1.0	1.1	BF	BF	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.0	1.0	.8	.6	.7	.7	21	1.2	
7	BD	1.0	.8	.7	.7	.8	.8	1.6	1.8	1.3	1.4	5.1	12.5	2.6	1.1	1.2	.9	.7	.6	.7	.7	.6	.9	.8	23	12.5	
8	BD	1.1	.7	.8	.8	.8	1.0	.9	1.2	1.2	1.0	.9	1.1	1.1	1.2	1.0	.9	.8	.9	.7	.8	.8	.7	.7	23	1.2	
9	BD	1.2	1.0	.8	.8	.7	.7	.9	.7	.8	.9	.9	.8	1.1	1.2	1.0	.8	1.2	2.3	1.4	1.1	1.0	.8	1.0	23	2.3	
10	BD	1.2	.9	1.1	1.1	1.1	1.0	1.2	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.9	2.4	1.2	1.2	1.2	.9	1.1	1.0	23	2.4	
11	BD	1.3	1.1	1.0	.9	1.0	1.0	1.3	1.3	1.3	1.2	1.1	1.0	1.2	1.2	1.2	1.1	1.2	1.1	1.2	1.0	1.1	.9	1.1	23	1.3	
12	BD	1.2	1.0	1.0	.9	1.0	1.2	1.2	1.2	1.2	1.2	1.0	1.1	1.1	1.1	1.0	1.1	.9	.9	.7	.6	.7	.7	.7	23	1.2	
13	BD	1.0	.9	.7	.7	.6	.7	1.0	1.2	1.1	1.0	.6	.8	.6	.8	.7	.9	.6	.7	.6	.6	.6	.6	.6	23	1.2	
14	BD	.8	.7	.6	.5	.6	.5	.6	1.0	.6	.8	.7	.5	.6	.7	.6	.6	.6	.5	.7	.6	.4	.5	.4	23	1.0	
15	BD	.7	.4	.5	.5	.4	.5	.5	.5	.5	.3	.4	.4	.5	.5	.6	.5	.5	.5	.4	.7	.7	.6	.5	23	.7	
16	BD	.9	.6	.6	.5	.7	.5	.9	1.1	1.1	1.2	1.0	1.1	.8	.7	.8	1.0	.9	.9	.8	.6	.6	.6	.4	23	1.2	
17	BD	.9	.5	.6	.6	.4	.5	.5	1.3	1.2	.8	.5	.5	.5	.5	.3	.4	.4	.4	.5	.3	.3	.6	.6	23	1.3	
18	BD	1.1	1.1	.8	1.0	.7	.6	.6	AZ	AZ	AZ	BA	BC	BC	BC	BC	-.3	-.2	-.3	-.3	-.3	-.3	-.3	-.4	-.3	16	1.1
19	BD	-.2	-.3	-.4	-.4	-.3	-.3	.0	.0	.0	BC	BC	BC	BC	.5	.7	.5	.4	.2	.2	.2	.3	.5	.5	19	.7	
20	BD	.6	.7	.5	.6	.5	.4	.6	.6	.8	.7	.3	.5	.6	.6	.5	.5	.5	.3	.3	.5	.5	.5	.5	.5	23	.8
21	BD	.6	.4	.6	.6	.6	.6	.6	.6	.6	.4	.4	.4	.4	.6	.4	.6	.4	.6	.4	.5	.6	.5	.4	23	.6	
22	BD	.5	.6	.4	.5	.7	.6	.5	.4	.5	.6	.6	.7	.6	.6	.6	.7	.4	.5	.5	.4	.4	.4	.4	23	.7	
23	BD	.3	.3	.2	.2	.4	.4	.7	.5	.6	.6	.6	.6	.6	.5	.6	.6	.6	.6	.5	.6	.4	.2	.4	23	.7	
24	BD	.6	.3	.5	.5	.4	.5	.7	1.0	.8	.7	.5	.5	.7	.7	.7	.7	.7	.6	.7	.6	.5	.5	.4	23	1.0	
25	BD	.7	.5	.5	.5	.6	.8	.8	.9	.9	.9	.7	.7	.8	.8	.7	.7	.7	.7	.6	.4	.4	.5	.5	23	.9	
26	BD	.4	.5	.3	.4	.3	.4	BA	.4	BC	BC	.8	1.0	.6	.6	.6	.5	.3	.3	.4	.4	.4	.4	.3	20	1.0	
27	BD	.7	.6	.7	.7	.8	.9	.6	.8	1.2	1.0	.8	.6	1.4	.9	1.4	.9	.5	.3	.2	.1	.4	.3	.4	23	1.4	
28	BD	.4	.5	.4	.5	.5	.3	.6	5.8	2.5	1.2	.8	.7	.7	1.4	1.4	1.4	1.7	1.1	.9	.8	.6	.5	.3	23	5.8	
29	BD	.3	.4	.3	.3	.3	.3	.3	.2	2.4	11.2	14.2	14.0	4.2	2.7	2.5	.9	.6	.4	.3	.4	.3	.3	.3	23	14.2	
30	BD	.3	.2	.0	.3	.2	.2	.3	.2	.1	.2	.4	.4	.3	.4	.8	.7	.6	.4	.3	.2	.3	.1	.2	23	.8	
31																										0	
NO.:	30	30	30	30	30	30	30	29	29	27	26	28	28	28	29	30	30	30	30	30	30	30	30	30	30		
MAX:	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.8	5.8	11.2	15.3	14.0	4.2	2.7	3.2	1.9	2.4	2.3	1.4	1.2	1.1	1.1	1.1	1.2		
AVG:	.83	.69	.64	.66	.65	.68	.81	.90	1.20	1.73	2.04	1.81	1.08	.96	.98	.86	.81	.72	.65	.62	.59	.60	.57				

MONTHLY OBSERVATIONS: 674 MONTHLY MEAN: .90 MONTHLY MAX: 15.3

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-129-0006 POC: 1  
 COUNTY: (129) New Hanover  
 CITY: (00000) Not in a city  
 SITE ADDRESS: HIGHWAY 421 NORTH  
 SITE COMMENTS:  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (170) SOUTHERN COASTAL PLAIN  
 URBANIZED AREA: (9200) WILMINGTON, NC  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.268403  
 LONGITUDE: -77.956529  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 6  
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: OCTOBER 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	BF	.4	.4	.4	.3	.4	.4	.4	.5	.3	.3	.3	.3	.3	.2	.4	.3	.3	.4	.3	.3	.2	.2	.3	23	.5
2	BF	.4	.4	.4	.3	.2	.2	.3	.3	.4	.4	.5	.4	.5	.4	.4	.4	.7	.5	.4	.4	.3	.4	.3	23	.7
3	BF	.5	.3	.2	.2	.3	.3	.3	.3	.4	.4	.5	.4	.4	.4	.5	.4	.5	.4	.4	.3	.2	.2	.2	23	.5
4	BF	.3	.3	.2	.3	.3	.4	.3	2.9	1.0	.9	2.3	1.8	1.4	1.1	1.5	1.7	.6	.4	.3	.2	.3	.2	.2	23	2.9
5	BF	.2	.1	.1	.1	.3	.4	.4	1.5	1.3	2.0	1.7	.5	.4	.4	1.1	.5	.5	.4	.4	.5	.4	.5	.3	23	2.0
6	BF	.3	.4	.4	.3	.4	.4	.3	.3	.5	.7	.8	.8	.8	.7	.9	.6	.5	.5	.3	.3	.3	.3	.3	23	.9
7	BF	.3	.3	.2	.2	.2	.2	.1	.2	1.1	.9	1.1	1.2	.9	.6	.5	.4	.3	.3	.3	.2	.2	.3	.2	23	1.2
8	BF	.5	.2	.3	.3	.2	.2	.3	.4	.2	.3	.4	.3	.2	.3	.4	.3	.4	.4	.4	.3	.4	.3	.4	23	.5
9	BF	.4	.3	.3	.3	.3	.4	.5	.5	.6	.8	.7	.5	.5	.5	.5	.4	.3	.3	.3	.3	.2	.2	.3	23	.8
10	BF	.3	.2	.2	.2	.3	.4	.4	.7	1.5	1.8	BC	BC	BC	.6	.5	.5	.5	.4	.4	.3	.3	.3	.3	20	1.8
11	BF	.3	.3	.2	.2	.2	.1	.2	.3	.6	.6	.6	.6	.5	.5	.5	.5	.4	.4	.4	.2	.3	.2	.2	23	.6
12	BF	.4	.3	.3	.4	.4	.6	.4	.2	.9	4.4	.8	.6	1.0	1.7	1.1	1.6	1.6	.6	.6	.3	.3	.5	.4	23	4.4
13	BF	.4	.4	.3	.3	.2	.2	.3	.5	.6	.6	.5	.4	.4	.4	.5	.4	.3	.4	.5	.5	.5	.4	.3	23	.6
14	BF	.3	.2	.2	.2	.2	.2	.1	.3	.3	.2	.2	.1	.1	.1	.1	.2	.2	.2	.2	.2	.1	.2	.3	23	.3
15	BF	.2	.0	.3	.4	.5	.6	.4	.2	.1	.3	.3	.2	.2	.3	.3	.3	.3	.3	.1	.1	.2	.2	.2	23	.6
16	BF	.3	.6	1.1	1.0	1.6	1.9	1.9	1.0	.6	.6	.2	.2	.3	.3	.3	.4	.5	.6	.5	.4	.5	.4	.4	23	1.9
17	BF	.5	.3	.4	.4	.4	.4	.1	.0	.0	.3	.4	.4	.4	.4	.3	.3	.3	.2	.2	.3	.2	.1	.2	23	.5
18	BF	.2	.2	.3	.2	.3	.2	.2	BC	BC	BC	.3	.1	.1	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	20	.3
19	BF	.1	.1	.1	.1	.1	.0	.1	.1	.1	.1	.3	.3	.1	.3	.4	.4	.1	.1	.0	-.1	.1	.0	.1	23	.4
20	BF	.0	-.1	-.2	-.2	-.1	.0	-.2	.2	.6	.4	.4	.2	.1	.0	.1	.3	.2	.0	.1	.1	.0	.1	.0	23	.6
21	BF	.1	.0	.0	-.1	.0	.0	.1	.0	.1	.2	.5	.3	.1	.2	.2	.3	.3	.2	.2	.1	.1	.1	.0	23	.5
22	BF	.0	.1	.1	.1	.2	.3	.0	.5	BA	.6	.5	.5	.6	.6	.6	.5	.5	.5	.4	.4	.3	.2	.1	22	.6
23	BF	.3	.4	.4	.4	.3	.7	.4	.2	BA	BC	BC	BC	BC	1.8	1.4	1.5	1.0	.8	.5	.5	.7	.9	1.1	18	1.8
24	BF	.8	.8	1.1	1.3	1.3	.9	.9	.7	2.6	6.3	7.7	29.0	21.4	1.5	1.3	1.5	1.1	.7	.8	.5	.5	.5	.7	23	29.0
25	BF	.7	.5	.7	.5	.4	.6	.4	.4	.4	.4	.7	.4	.6	.3	.4	.4	.3	.3	.4	.2	.5	.4	.3	23	.7
26	BF	.5	.5	.3	.3	.3	.4	.4	.4	.4	.6	.2	.4	.3	.3	.3	.3	.2	.2	.2	.2	.1	.2	.1	23	.6
27	BF	.2	.2	.3	.0	.2	.2	.0	.1	.0	.2	.2	.1	.1	.0	.2	.1	.1	.1	.1	.0	.2	.1	.1	23	.3
28	BF	.1	.1	.1	.1	.0	.1	.1	.0	.1	.1	.3	.4	.3	.5	.4	.2	.3	.2	.3	.3	.2	.2	.3	23	.5
29	BF	.2	.4	1.2	1.7	1.6	1.7	7.7	27.5	21.2	11.3	13.6	6.8	2.5	12.3	2.5	9.1	1.8	1.5	.8	.8	.8	.8	.7	23	27.5
30	BF	.8	.6	.6	.6	.7	.7	.9	1.0	BD	BD	BD	BD	.8	1.1	1.6	1.2	.9	1.0	.8	.8	.8	.8	.7	19	1.6
31	BF	.5	.6	.5	.5	.5	.4	.9	1.3	1.1	1.0	1.1	1.1	1.0	1.8	1.0	.6	.7	.5	.5	.5	.6	.5	23	1.8	
NO.:		31	31	31	31	31	31	31	30	27	28	28	28	29	31	31	31	31	31	31	31	31	31	31		
MAX:		.8	.8	1.2	1.7	1.6	1.9	7.7	27.5	21.2	11.3	13.6	29.0	21.4	12.3	2.5	9.1	1.8	1.5	.8	.8	.8	.9	1.1		
AVG:		.34	.30	.35	.35	.39	.44	.60	1.42	1.38	1.31	1.32	1.73	1.24	.96	.63	.85	.51	.41	.36	.31	.32	.32	.31		

MONTHLY OBSERVATIONS: 697 MONTHLY MEAN: .69 MONTHLY MAX: 29.0

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-129-0006 POC: 1  
 COUNTY: (129) New Hanover  
 CITY: (00000) Not in a city  
 SITE ADDRESS: HIGHWAY 421 NORTH  
 SITE COMMENTS:  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (170) SOUTHERN COASTAL PLAIN  
 URBANIZED AREA: (9200) WILMINGTON, NC  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.268403  
 LONGITUDE: -77.956529  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 6  
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: NOVEMBER 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	BD	.5	.5	.6	.4	.7	.8	.7	.6	.8	.7	1.0	2.1	1.5	8.0	2.7	6.3	1.2	.8	.6	.6	.5	.4	.4	23	8.0	
2	BD	.6	.6	.6	.4	.7	.8	.8	.9	1.2	1.2	1.3	1.1	.7	1.4	2.4	2.0	1.2	.6	.7	.7	.6	.4	.6	23	2.4	
3	BD	.6	.6	.4	.7	.7	.5	.7	4.8	3.4	2.1	1.8	2.5	10.1	10.8	5.8	4.1	1.6	.7	.7	.7	.6	.8	.7	23	10.8	
4	BD	.5	.5	.5	.4	.6	.6	.5	.7	1.4	2.1	2.1	2.1	1.5	2.2	1.5	1.2	.5	.6	.5	.2	.3	.3	.4	23	2.2	
5	BD	.2	.5	.1	.4	.4	.3	.4	.4	.9	1.0	1.1	.9	.9	1.0	.9	.9	.7	.5	.6	.5	.5	.6	.7	23	1.1	
6	BD	.7	.5	.5	.6	.6	.8	.7	.6	.9	.7	.8	.6	.6	.5	.7	.6	.5	.5	.5	.5	.6	.5	.8	23	.9	
7	BD	.9	.8	.7	.8	.7	.8	.9	1.0	1.5	1.4	1.2	1.0	.8	1.0	1.0	.9	1.3	1.0	.7	.6	.7	.8	.7	23	1.5	
8	BD	.5	.5	.5	.4	.5	.7	1.0	1.5	1.6	1.4	1.8	4.7	9.8	14.9	16.5	3.7	3.9	1.4	.8	1.0	.8	.9	1.0	23	16.5	
9	BD	1.0	.8	.7	.9	1.0	1.0	1.9	3.0	2.3	2.1	1.9	17.3	35.5	27.3	33.2	3.7	2.6	2.5	2.5	1.3	1.2	1.1	.9	23	35.5	
10	BD	1.0	1.0	.8	.8	1.0	1.1	1.2	.7	3.2	6.6	5.4	4.5	3.6	3.0	3.2	2.8	2.2	1.4	1.0	.8	.8	.9	.7	23	6.6	
11	BD	1.1	.7	.7	.8	.9	1.0	.8	.6	.8	1.1	1.2	1.4	1.0	.9	1.0	.9	.7	.6	.6	.5	.4	.4	.4	23	1.4	
12	BD	.5	.5	.4	.5	.4	.4	.4	.4	.2	.4	.4	.4	.4	.3	.3	.3	.2	.3	.4	.3	.4	.4	.4	.2	23	.5
13	BD	.4	.5	.5	.5	.4	.5	.3	.4	.3	BF	BF	BF	.4	.5	.4	.4	.3	.3	.3	.3	.3	.3	.3	20	.5	
14	BD	.4	.4	.4	.3	.5	.6	.8	.5	.3	.6	.5	.7	.8	.8	.7	.7	.6	.6	.5	.5	.5	.5	.6	23	.8	
15	BD	.5	.5	.5	.5	.5	1.0	.7	.5	.6	.8	.6	.5	.6	.7	.5	.6	.7	.5	.5	.5	.5	.4	.4	23	1.0	
16	BD	.3	.5	.5	.4	.4	.6	.5	.5	.4	.6	.5	.5	.6	.6	.5	.6	.5	.4	.3	.3	.4	.5	.5	23	.6	
17	BD	.6	.6	.6	.6	.6	.5	.6	.5	.7	.9	1.1	1.0	.7	.8	.9	.8	.8	.6	.6	.8	.7	.4	.5	23	1.1	
18	BD	.7	.5	.5	.6	.5	.6	.6	.5	.6	.6	.4	.3	.4	.2	.3	.4	.3	.4	.3	.3	.3	.4	.3	23	.7	
19	BD	.3	.2	.4	.5	.2	.3	.4	.6	.5	.7	.6	.4	.6	.4	.3	.3	.2	.4	.4	.3	.5	.3	.4	23	.7	
20	BD	.4	.4	.4	.2	.3	.5	.4	.4	.4	.4	.6	.4	.7	.6	.5	.6	.6	.5	.5	.6	.6	.5	.4	23	.7	
21	BD	.6	.4	.4	.2	.5	.4	.3	.6	.5	.6	.6	.6	.6	.6	.5	.5	.5	.4	.5	.4	.6	.6	.6	23	.6	
22	BD	.5	.7	.4	.5	.5	.5	.5	.7	.8	.9	.9	.8	.9	.7	.7	.7	.6	.6	.7	1.1	1.0	.8	.8	23	1.1	
23	BD	.7	.6	.6	.5	.5	.5	.7	.8	15.9	13.3	2.8	3.6	1.0	1.2	1.3	1.5	1.8	1.0	.7	.6	.5	.4	.4	23	15.9	
24	BD	.6	.5	1.0	1.2	.9	.9	.8	.9	1.2	.8	.8	.9	.8	1.4	.7	.7	.7	.7	.5	.6	.6	.5	.4	23	1.4	
25	BD	.5	.5	.5	.5	.4	.5	.7	1.9	1.3	31.9	28.6	14.8	15.7	1.0	1.0	1.1	1.3	1.0	.7	.6	.7	.5	.6	23	31.9	
26	BD	.8	.7	.8	.9	.9	1.1	1.3	.5	1.6	3.2	3.2	2.0	2.0	1.6	1.3	1.9	2.3	1.5	.6	.7	.8	.7	.8	23	3.2	
27	BD	.8	.8	.7	.8	.6	1.3	1.1	.7	1.2	3.3	3.1	BF	BF	1.6	1.0	.8	.4	.3	.4	.3	.2	.3	.3	21	3.3	
28	BD	.3	.0	.2	.3	.2	.5	.3	.4	.4	.7	1.0	1.1	1.2	1.3	1.2	1.1	.7	.3	.5	.5	.8	.8	.8	23	1.3	
29	BD	.9	.7	1.0	.9	1.2	1.6	1.2	.8	.7	.7	1.2	1.2	1.1	1.0	3.4	4.1	.6	.9	.9	.8	1.1	1.2	1.1	23	4.1	
30	BD	1.0	1.1	1.2	1.2	1.8	1.0	.7	.7	.7	1.0	4.2	3.2	4.6	4.0	2.9	1.2	.6	.5	.6	.7	.7	.8	.9	23	4.6	
31																										0	
NO.:	30	30	30	30	30	30	30	30	30	30	29	29	28	29	30	30	30	30	30	30	30	30	30	30	30		
MAX:	1.1	1.1	1.2	1.2	1.8	1.6	1.9	4.8	15.9	31.9	28.6	17.3	35.5	27.3	33.2	6.3	3.9	2.5	2.5	1.3	1.2	1.2	1.2	1.1			
AVG:	.61	.57	.57	.59	.64	.72	.73	.90	1.54	2.82	2.44	2.52	3.42	3.01	2.91	1.51	1.00	.73	.64	.59	.61	.58	.59				

MONTHLY OBSERVATIONS: 685 MONTHLY MEAN: 1.30 MONTHLY MAX: 35.5

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-129-0006 POC: 1  
 COUNTY: (129) New Hanover  
 CITY: (00000) Not in a city  
 SITE ADDRESS: HIGHWAY 421 NORTH  
 SITE COMMENTS:  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (170) SOUTHERN COASTAL PLAIN  
 URBANIZED AREA: (9200) WILMINGTON, NC  
 LAND USE: INDUSTRIAL  
 LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5  
 LATITUDE: 34.268403  
 LONGITUDE: -77.956529  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 6  
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (009) INSTRUMENTAL PULSED FLUORESCENT  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: DECEMBER 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	BF	.7	.7	.5	.8	.9	1.2	1.1	.7	.6	.6	1.0	1.1	1.2	.9	.8	.6	.4	.3	.5	.4	.8	.6	.6	23	1.2
2	BF	.7	.7	.5	.6	.8	.7	.3	.4	.3	.4	.6	.7	.8	.9	.8	.5	.5	.5	.3	.5	.5	.5	.5	23	.9
3	BF	.6	.5	.6	.7	.9	1.5	1.2	.9	.4	.6	.9	.8	.7	.5	.4	.6	.6	.2	.3	.3	.3	.3	.4	23	1.5
4	BF	.5	.4	.4	.9	.9	1.1	.8	.4	.5	.4	.2	1.5	2.5	1.6	1.1	.7	.6	.3	.4	.5	.5	.3	.3	23	2.5
5	BF	.3	.3	.2	.2	.4	.4	.5	.2	.2	.1	.2	.4	.3	.2	.3	.6	.2	.3	.5	.4	.2	.1	.1	23	.6
6	BF	.3	.3	.3	.2	.3	.3	.4	.4	.3	.2	.2	.3	BD	.4	.3	.3	.2	.3	.3	.3	.1	.1	.1	22	.4
7	BF	.2	.1	.2	.1	.2	.3	.2	.2	.3	.2	.3	.4	.4	.1	.2	.0	-.1	.0	-.1	.0	-.1	-.1	.2	23	.4
8	BF	-.1	-.1	.0	-.1	.1	-.1	.1	.2	.1	.2	.1	.0	.0	.2	.0	.1	.1	-.1	.1	.0	-.1	-.1	-.1	23	.2
9	BF	.1	.1	.0	.1	.1	.3	.3	.2	.2	.2	.2	.2	.2	.1	.2	.0	.0	-.1	-.2	.0	.0	.0	-.1	23	.3
10	BF	.1	-.1	-.1	-.1	-.1	.1	.0	.0	-.2	-.1	.0	.0	-.2	.0	-.1	-.1	-.4	-.3	-.5	-.3	-.2	-.3	-.2	23	.1
11	BF	.0	-.2	-.3	-.2	-.3	-.3	-.3	-.4	-.1	.1	.0	-.2	.0	.0	-.1	-.2	-.1	-.3	-.3	-.2	-.1	-.1	-.4	23	.1
12	BF	-.2	-.3	-.3	-.2	-.3	-.3	.0	-.1	-.2	-.1	-.1	-.2	.0	.0	.0	.2	-.1	.0	-.2	-.3	-.1	-.1	.0	23	.2
13	BF	.0	-.1	.0	-.1	-.1	.0	.1	.2	.3	.3	.2	.3	.4	.1	.2	.2	.0	.1	.2	.0	.0	.2	.0	23	.4
14	BF	.1	.0	.1	-.1	.0	.1	.2	.2	.3	.4	.4	.3	.3	.1	.2	.3	.2	.2	.1	.6	.5	.3	.3	23	.6
15	BF	.3	.1	.2	.1	.1	.2	1.1	.5	.6	.6	.2	.2	.3	.5	.1	.1	.1	.2	.1	.2	.1	.1	.0	23	1.1
16	BF	.1	.2	.0	.0	-.1	.0	-.1	-.1	-.1	.0	.0	.0	.1	.0	.5	.1	-.1	.0	.1	.1	.0	.1	-.1	23	.5
17	BF	.0	.0	-.1	-.2	-.2	-.3	-.2	-.1	-.1	.0	-.1	.0	.0	.0	.1	-.1	-.1	-.3	-.1	-.3	-.3	-.2	-.2	23	.1
18	BF	-.3	-.3	-.1	-.3	-.2	.5	-.1	-.1	-.2	-.1	.0	.1	.3	.2	.2	.2	.0	-.1	.2	.0	.0	.1	.1	23	.5
19	BF	.2	.1	.1	.1	.1	.4	.5	.3	.5	1.0	3.5	2.8	1.1	BD	BD	.5	.5	.2	.3	.4	.4	.3	.3	21	3.5
20	BF	.3	.3	.6	.8	.3	.2	.4	.2	.1	.0	.1	.1	.3	.3	.1	.0	.1	.1	.1	.1	-.1	-.1	-.2	23	.8
21	BF	.0	-.2	-.2	-.3	-.1	.0	.0	.2	.1	.1	.2	.1	.1	.1	.2	.1	.1	.1	.3	.5	.4	.3	.1	23	.5
22	BF	.2	.1	.2	.1	.2	.4	.4	.3	.4	1.0	1.0	.5	.5	.5	.5	.4	.4	.2	.3	.3	.3	.4	.4	23	1.0
23	BF	.3	.2	.3	.1	.3	.5	.3	.3	.5	.9	.9	1.4	1.1	1.1	1.2	.6	.5	.3	.1	.2	.3	.2	.4	23	1.4
24	BF	.4	.1	.1	.3	.3	.3	.7	1.3	1.5	2.3	1.8	1.5	1.2	1.2	1.1	1.0	.9	.7	.4	.3	.2	.2	.2	23	2.3
25	BF	.0	.2	.2	.1	.1	.1	.1	.0	.1	.2	.3	.2	.1	.1	.1	.0	.0	.1	.1	.0	.1	-.1	.1	23	.3
26	BF	.1	.1	.0	-.1	-.2	.0	-.1	.0	.1	.0	.0	.0	-.2	-.2	-.3	-.3	-.3	-.4	-.2	-.1	-.2	-.1	.0	23	.1
27	BF	.0	.0	-.1	.1	.2	.1	.1	.0	.1	.4	2.2	1.7	1.7	.9	.6	.7	.4	.1	.2	.2	.7	.2	.0	23	2.2
28	BF	.0	.1	.1	.0	.0	.2	.1	.1	.1	.2	.4	.5	.5	.4	.3	.3	.1	.1	.1	.1	.0	.2	.3	23	.5
29	BF	.2	.2	.1	.0	.0	-.1	.0	.1	.0	.1	.1	.0	.1	-.1	-.2	-.1	.1	.0	.0	.0	-.1	.0	.1	23	.2
30	BF	.1	.7	1.4	.8	1.4	1.2	1.7	4.2	1.5	1.2	.9	.9	1.1	.9	.9	.8	.9	1.3	.3	.2	.1	.2	.2	23	4.2
31	BF	.4	.3	.3	.4	.5	.8	.8	.5	.4	.4	1.1	.8	.8	.7	.6	.7	.5	.4	.3	.4	.4	.5	.4	23	1.1
NO.:		31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	31	31	31	31	31	31	31	31		
MAX:		.7	.7	1.4	.9	1.4	1.5	1.7	4.2	1.5	2.3	3.5	2.8	2.5	1.6	1.2	1.0	.9	1.3	.5	.6	.8	.6	.6		
AVG:		.18	.15	.17	.15	.21	.32	.34	.36	.28	.38	.54	.53	.52	.39	.34	.28	.20	.14	.13	.15	.15	.13	.12		

MONTHLY OBSERVATIONS: 710 MONTHLY MEAN: .27 MONTHLY MAX: 4.2

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-183-0014 POC: 2  
 COUNTY: (183) Wake  
 CITY: (55000) Raleigh  
 SITE ADDRESS: 3801 SPRING FOREST RD.  
 SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (166) EASTERN PIEDMONT  
 URBANIZED AREA: (6639) RALEIGH, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.856111  
 LONGITUDE: -78.574167  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 100  
 PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JANUARY 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	3.5	BD	4.6	4.0	2.3	1.8	2.1	2.7	2.1	1.1	.8	1.2	1.7	1.3	1.3	1.5	2.4	1.9	1.2	.8	.4	.4	.4	.2	23	4.6	
2	.1	BD	.2	.3	.4	.5	.4	.4	.4	.3	.3	.3	.4	.4	.3	.5	.6	.6	.6	.4	.3	.3	.3	.4	23	.6	
3	.7	BD	1.0	1.0	.9	1.1	1.3	1.2	1.1	1.1	.9	.8	.7	BF	BF	1.1	1.0	1.1	1.1	1.2	1.4	1.6	1.2	1.6	21	1.6	
4	.9	BD	AE	AE	AE	AE	AE	AE	AE	AE	AE	1.4	1.3	4.1	4.4	1.3	1.3	1.2	1.2	1.3	1.2	1.2	1.2	1.4	14	4.4	
5	1.8	BD	3.5	2.2	1.8	1.5	1.6	1.9	2.1	2.1	2.0	1.8	1.7	1.6	1.5	1.5	1.4	2.7	3.8	4.1	5.8	5.4	5.6	3.6	23	5.8	
6	2.0	BD	1.1	1.0	.8	1.4	1.9	3.5	6.2	21.7	13.9	18.7	19.1	1.4	.9	1.0	.9	1.0	1.6	1.8	1.6	1.8	1.6	1.7	23	21.7	
7	1.4	BD	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.0	.8	.8	.8	.7	.7	.7	1.2	1.9	1.6	1.7	1.6	1.0	.7	23	1.9	
8	.9	BD	.6	1.1	.9	.9	1.2	1.2	1.2	2.0	1.8	1.7	1.7	1.6	1.5	1.4	1.3	1.2	1.3	1.4	1.5	1.4	1.3	1.0	23	2.0	
9	.4	BD	.5	.4	.3	.4	.5	.5	.6	.7	.8	.8	.6	.4	.4	.3	.3	.2	.3	.2	.3	.3	.2	.2	23	.8	
10	.1	BD	.3	.2	.2	.1	.2	.2	.3	1.2	1.9	2.1	4.6	3.9	.7	.7	.9	1.7	3.1	2.2	1.7	1.7	2.5	1.6	23	4.6	
11	2.0	BD	.6	.4	.4	.4	.5	.5	.6	.4	.5	.5	.6	.3	.3	.2	.2	.2	.2	.1	.1	.1	.1	.1	23	2.0	
12	.1	BD	.1	.1	.1	.1	.2	.3	.4	.3	.3	.3	.3	.3	.2	.3	.2	.3	.5	.4	.3	.4	.4	.5	.6	23	.6
13	.7	BD	.2	.1	.1	.1	.2	.3	.4	.4	.4	.4	.5	.4	.5	.5	.5	.6	.7	.6	.6	.5	.6	.5	23	.7	
14	.8	BD	.9	.7	.5	.4	.6	.7	1.1	.8	.9	1.1	.8	.6	.6	.5	.6	1.2	1.0	1.3	1.7	1.0	1.0	1.3	23	1.7	
15	1.2	BD	.7	.7	1.1	.9	.5	.5	.7	1.0	1.2	1.2	1.4	1.5	1.6	1.8	1.6	1.5	1.7	2.0	1.2	1.3	1.2	1.0	23	2.0	
16	1.1	BD	.8	.9	1.0	.9	1.1	1.9	2.5	2.3	2.0	1.9	1.8	1.5	1.3	1.2	1.2	1.3	1.4	1.5	1.4	1.1	.9	.8	23	2.5	
17	.7	BD	.6	.6	.6	.6	.6	.8	1.0	1.2	BF	BF	BF	.6	.5	.5	.7	.6	.5	.4	.4	.3	.3	.2	20	1.2	
18	.2	BD	.2	.1	.3	.2	.2	.3	.6	.9	1.0	1.2	1.2	.7	.6	.6	.5	.5	.6	1.1	1.7	1.7	.8	.7	23	1.7	
19	.7	BD	.7	.9	1.6	2.0	1.7	1.9	2.1	1.9	1.7	1.5	1.3	1.2	1.1	1.2	1.3	1.4	1.4	1.1	1.1	1.1	1.0	.9	23	2.1	
20	.8	BD	.7	.6	.7	.9	1.0	1.9	2.3	3.4	2.8	2.1	2.2	1.7	1.5	1.6	1.5	1.6	.9	.6	.5	.4	.3	.3	23	3.4	
21	.3	BD	.3	.2	.2	.2	.2	.2	.2	.3	.4	.4	.4	.3	.3	.3	.2	.1	.1	.5	.3	.6	1.9	1.4	23	1.9	
22	1.2	BD	.5	.4	.4	.5	.6	.6	.7	.8	.7	.6	.5	.4	.3	.3	.3	.4	.2	.3	.2	.2	.2	.2	23	1.2	
23	.2	BD	.3	.3	.2	.2	.2	.4	.4	.4	.4	.6	.6	.7	.6	.5	.5	.6	.4	.4	.5	.4	.3	.3	23	.7	
24	.2	BD	.1	.1	.2	.1	.2	.4	.3	.2	.2	.3	.4	.5	.6	.5	.6	.8	.5	.4	.6	.6	.4	.1	23	.8	
25	.1	BD	.1	.1	.3	.4	.8	.5	1.0	.9	1.3	1.1	.9	.8	.7	.6	.7	1.0	2.0	.8	2.2	.4	1.6	2.1	23	2.2	
26	2.1	BD	.8	.7	.6	1.1	1.2	.9	.6	.9	.7	.6	.5	.5	.4	.4	.4	.6	.7	.3	.2	.2	.2	.1	23	2.1	
27	.1	BD	.1	.1	.2	.2	.2	.1	.1	.2	.2	.1	.1	.1	.1	.2	.2	.1	.1	.1	.1	.1	.1	.1	23	.2	
28	.1	BD	.3	.2	.2	.2	.3	1.2	1.2	1.3	2.1	1.9	1.3	.5	.5	.5	.4	.6	1.3	1.2	.4	.3	.3	.4	23	2.1	
29	.4	BD	.8	1.5	1.5	.9	.6	.7	.9	1.2	3.2	1.9	.9	.7	.6	.5	.4	.5	.9	1.0	2.1	.9	.9	7.4	23	7.4	
30	7.2	BD	.9	.7	.8	.7	1.1	2.1	1.7	2.8	1.1	1.1	1.2	1.1	.9	.8	.8	1.6	3.5	2.4	1.9	1.1	1.0	1.0	23	7.2	
31	.8	BD	.9	1.1	1.1	1.3	1.4	2.0	2.4	BF	BF	BF	5.0	3.2	1.6	1.3	.9	1.1	1.5	1.8	1.8	1.6	1.4	1.2	20	5.0	
NO.:	31		30	30	30	30	30	30	30	29	28	29	30	30	30	31	31	31	31	31	31	31	31	31	31		
MAX:	7.2		4.6	4.0	2.3	2.0	2.1	3.5	6.2	21.7	13.9	18.7	19.1	4.1	4.4	1.8	2.4	2.7	3.8	4.1	5.8	5.4	5.6	7.4			
AVG:	1.06		.78	.72	.69	.70	.79	1.03	1.21	1.82	1.59	1.67	1.82	1.10	.89	.78	.79	.96	1.16	1.07	1.14	.97	.98	1.07			

MONTHLY OBSERVATIONS: 696 MONTHLY MEAN: 1.07 MONTHLY MAX: 21.7

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-183-0014 POC: 2  
 COUNTY: (183) Wake  
 CITY: (55000) Raleigh  
 SITE ADDRESS: 3801 SPRING FOREST RD.  
 SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (166) EASTERN PIEDMONT  
 URBANIZED AREA: (6639) RALEIGH, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.856111  
 LONGITUDE: -78.574167  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 100  
 PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: FEBRUARY 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM		
1	1.1	BD	1.0	.9	1.0	1.2	1.4	1.3	1.2	1.0	1.3	1.2	1.0	1.2	1.0	1.1	1.0	1.2	1.1	.8	.8	.8	.5	23	1.4			
2	.4	BD	.5	.4	.4	.3	.2	.3	.3	.3	.3	.4	.8	.6	1.2	.7	.8	1.1	.7	.6	.5	.4	1.1	2.0	23	2.0		
3	1.3	BD	1.8	1.4	1.1	1.3	1.3	1.7	1.6	1.6	1.8	1.4	1.1	.9	.8	.8	1.1	1.6	1.2	.9	1.2	1.3	1.0	23	1.8			
4	.7	BD	.5	.7	.6	.7	.5	.8	1.2	.9	.7	.8	.8	.7	.6	.4	.4	.4	.3	.2	.2	.2	.2	.2	23	1.2		
5	.1	BD	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2	.2	.2	.3	.4	.3	.3	.2	.2	.3	.4	.3	23	.4		
6	.4	BD	.6	.5	.5	.6	.9	.9	1.4	AZ	AZ	AZ	AZ	.7	.6	.6	.7	.9	.9	.8	.8	.8	.6	.5	19	1.4		
7	.5	BD	.5	.5	.5	.7	1.0	1.9	3.6	3.4	1.9	1.5	1.2	1.1	1.1	1.0	1.0	1.2	1.7	.7	1.2	1.9	2.2	2.3	23	3.6		
8	1.5	BD	1.6	1.3	1.8	1.8	1.0	1.6	2.5	2.4	BF	BF	2.3	1.7	1.9	2.0	1.7	1.7	6.8	8.2	5.0	3.0	1.9	1.5	21	8.2		
9	2.3	BD	1.8	3.0	4.5	2.9	1.9	1.3	1.6	1.0	.8	.8	1.1	1.1	1.0	.8	1.3	2.0	2.2	1.5	1.5	2.0	1.7	1.3	23	4.5		
10	1.0	BD	.8	.9	.6	.8	1.1	2.2	2.2	2.2	2.0	1.6	1.4	1.4	1.3	1.2	1.3	1.3	1.5	1.2	1.1	1.3	2.2	2.0	23	2.2		
11	1.4	BD	1.2	.8	.7	.8	.9	1.0	1.3	3.0	2.5	1.1	.8	1.0	.8	.6	.4	.7	1.0	.9	.9	.7	.5	.6	23	3.0		
12	.5	BD	.6	.4	.4	.5	.6	.7	.8	.8	1.2	1.1	.8	.7	.6	.7	.8	.8	1.0	1.3	1.3	1.4	1.4	1.1	23	1.4		
13	1.0	BD	.9	.7	.8	.9	1.5	2.1	1.7	1.6	1.4	1.4	1.4	1.3	1.1	1.2	2.7	3.2	2.9	1.7	1.5	1.3	1.3	1.1	23	3.2		
14	1.0	BD	1.1	1.2	1.2	1.1	1.3	1.9	2.2	2.0	1.2	2.3	.9	.9	.8	.9	2.1	2.1	1.4	3.9	6.5	22.5	9.2	6.3	23	22.5		
15	5.3	BD	.7	.6	.5	.6	.6	.7	1.1	2.4	3.0	2.4	.9	.5	.5	.5	.5	.5	1.0	1.1	.8	1.7	2.3	23	5.3			
16	1.6	BD	1.9	.9	.5	.6	.6	.8	1.1	1.2	.9	.7	.7	.6	.5	.4	.4	.3	.3	.2	.3	.2	.2	.1	23	1.9		
17	.2	BD	.1	.2	.2	.2	.1	.2	.8	1.2	1.0	1.1	1.5	1.9	1.0	.5	.5	.6	1.2	.9	1.1	1.2	1.7	1.0	23	1.9		
18	1.0	BD	.6	.8	.9	.7	.7	.7	1.1	.8	.9	.9	.8	.7	.7	.6	.6	.7	1.0	1.2	1.0	1.0	2.7	1.7	23	2.7		
19	1.0	BD	.5	.4	.4	.5	1.2	1.4	1.3	.9	.7	.5	.3	.2	.2	.2	.2	.2	.2	.3	.2	.2	.2	.3	23	1.4		
20	.3	BD	.4	.4	.4	.3	.3	.6	1.8	.8	.6	.5	.6	.7	.8	.8	.8	.7	.8	.7	.9	.8	.7	.4	23	1.8		
21	1.0	BD	.4	.6	.5	.6	1.0	1.6	BF	BF	BA	BC	BC	.4	.2	.3	.2	.2	.2	.3	.4	.3	.3	.2	18	1.6		
22	.1	BD	.1	.1	.1	.1	.2	.6	.7	.5	.5	.3	.2	.3	.2	.0	.0	.1	.4	.4	.2	.1	.1	.2	23	.7		
23	.2	BD	-.1	-.1	-.2	-.2	-.1	.1	.2	.1	.1	.0	.0	AV	.0	.0	.0	.3	.7	.2	.1	.1	.0	.1	22	.7		
24	.0	BD	.0	.0	.0	-.1	-.1	.0	.0	.0	.0	.0	.0	-.1	-.2	-.2	-.1	-.2	-.2	-.1	.0	-.1	-.1	-.1	23	0.0		
25	-.1	BD	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.4	.4	.2	.2	.1	.0	.0	.0	23	.4		
26	.0	BD	.0	.1	.7	.5	.5	1.4	1.7	1.1	.8	.5	.4	.4	.4	.4	.4	.3	.5	1.1	1.1	.6	.4	.5	23	1.7		
27	.1	BD	.3	1.3	.7	.7	.8	.8	1.6	1.7	1.8	1.2	.6	.2	.1	.2	.2	.3	.2	.1	.0	.2	.0	-.1	23	1.8		
28	-.1	BD	-.1	-.1	-.1	.0	.4	1.1	1.0	.8	.8	.9	.9	.8	.7	.7	.6	.8	.7	.6	.9	1.4	6.2	23	6.2			
29	12.1	BD	9.5	2.7	.6	.4	.4	.3	.4	.5	BA	BA	.3	.2	.1	.0	.0	.0	.0	-.1	-.1	-.1	-.1	-.1	21	12.1		
30																										0		
31																											0	
NO.:	29	29	29	29	29	29	29	29	28	27	25	25	27	28	29	29	29	29	29	29	29	29	29	29	29			
MAX:	12.1	9.5	3.0	4.5	2.9	1.9	2.2	3.6	3.4	3.0	2.4	2.3	2.3	1.9	1.9	2.0	2.7	3.2	6.8	8.2	6.5	22.5	9.2	6.3				
AVG:	1.24	.94	.71	.67	.64	.69	.95	1.24	1.21	1.06	.91	.78	.73	.63	.58	.70	.79	1.04	1.05	1.01	1.51	1.17	1.15					

MONTHLY OBSERVATIONS: 653 MONTHLY MEAN: .93 MONTHLY MAX: 22.5

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-183-0014 POC: 2  
 COUNTY: (183) Wake  
 CITY: (55000) Raleigh  
 SITE ADDRESS: 3801 SPRING FOREST RD.  
 SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (166) EASTERN PIEDMONT  
 URBANIZED AREA: (6639) RALEIGH, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.856111  
 LONGITUDE: -78.574167  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 100  
 PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: MARCH 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	-.1	BD	.1	.0	.0	-.1	.0	.0	.0	.0	-.1	-.1	BC	BC	BC	.1	.2	.1	.2	1.0	.8	.8	1.3	.9	20	1.3	
2	1.1	BD	1.0	.5	.4	.4	.3	.4	.5	.4	.4	.4	.4	.3	.3	.3	.8	.6	.3	.2	.2	.3	.4	.2	23	1.1	
3	.1	BD	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.4	.4	.4	.7	.3	23	.7	
4	.5	BD	.0	.0	.0	.0	.0	.0	.0	.2	1.7	1.9	.7	.7	.4	.2	.1	.1	.1	.1	.2	.3	.3	.4	23	1.9	
5	.3	BD	.2	.2	.2	.3	.4	.6	.8	1.0	.9	.5	.7	1.0	1.2	1.1	.7	.5	.6	.6	.5	.6	.8	.9	23	1.2	
6	1.0	BD	.7	.6	.5	.6	1.0	1.4	1.3	.8	1.0	1.0	1.0	.9	.8	.8	.8	.8	1.0	2.0	2.1	1.7	1.4	1.0	23	2.1	
7	.9	BD	.5	.4	.4	.6	.6	1.3	1.3	1.0	.6	.3	.3	.3	.3	.3	.3	.3	.4	.4	.3	.4	.5	.3	23	1.3	
8	.3	BD	.2	.2	.1	.2	.3	.6	.8	.5	.2	.1	.1	.1	.1	.1	.1	.1	.2	.3	.2	.1	.1	.1	.0	23	.8
9	.0	BD	.1	.1	.2	.1	.1	.1	.1	.5	1.0	1.8	.9	.6	.7	1.5	1.4	.8	1.0	1.1	2.4	3.1	2.7	1.1	23	3.1	
10	1.5	BD	1.0	1.0	1.0	.9	1.0	.9	.7	.9	.8	.8	.7	.7	.6	.6	.6	.6	.5	.5	.5	.6	.7	.7	23	1.5	
11	.6	BD	.4	.3	.3	.3	.3	.8	1.8	1.6	1.2	.9	.7	.7	.6	.5	.6	1.0	1.5	1.8	1.7	1.2	1.3	23	1.8		
12	1.2	BD	.7	.7	.8	.8	1.1	1.3	1.2	.7	.4	.3	.3	.4	.3	.3	.3	.3	.4	.4	.3	.2	.2	.2	23	1.3	
13	.2	BD	.2	.3	.3	.3	.5	.6	AZ	AZ	AZ	AZ	.4	.3	.3	.3	.3	.2	.2	.3	.3	.3	.3	.3	19	.6	
14	.2	BD	.1	.0	.0	.3	1.0	.7	.9	2.4	1.4	.7	.5	.7	.5	.4	.2	.3	.4	.4	.5	.4	.3	.2	23	2.4	
15	.2	BD	.1	.2	.1	.5	.8	1.1	BF	BF	BF	.5	.4	.3	.2	.3	.4	.4	.5	.6	.8	.5	.4	.4	20	1.1	
16	.3	BD	.3	.2	.2	.2	.7	.8	.9	.8	.8	.7	.6	.5	.2	.1	.1	.2	.3	.6	.4	.1	.1	.1	.0	23	.9
17	.0	BD	.0	.0	.0	.0	.0	.0	.0	.3	.6	.7	.5	.3	.2	.1	.2	.2	.2	.2	.2	.1	.2	.2	23	.7	
18	.2	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	.1	23	.2	
19	.0	BD	.1	.1	.1	.6	1.0	1.5	1.3	.5	.2	.3	.3	.1	.1	.1	.1	.1	.2	.2	.2	.1	.1	.2	23	1.5	
20	.0	BD	.0	.0	.1	.2	.4	.4	.3	.3	.5	.3	.2	.1	.1	.1	.1	.2	.1	.1	.3	.1	.0	.0	23	.5	
21	.0	BD	.0	.0	.0	.1	.1	.2	.1	.0	.1	.2	.2	.3	AE	AE	AE	.1	.5	.5	.4	.1	.0	.0	20	.5	
22	.0	BD	.0	.0	.0	.1	.6	.4	.5	.3	.2	.1	.1	.0	.0	.0	.0	.0	.1	.2	.1	.1	.0	.0	23	.6	
23	.0	BD	.0	.0	.0	.3	.2	.2	.3	.3	.2	.2	.1	.2	.1	.1	.1	.2	.2	.3	.3	.2	.2	.1	23	.3	
24	.0	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
25	.0	BD	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	.1	
26	.0	BD	.2	.3	.3	.2	.1	.2	.2	.2	.1	.1	1.2	.5	.2	.1	.2	.4	.4	.9	.5	.2	.3	.6	23	1.2	
27	.3	BD	1.0	1.0	1.4	1.6	1.6	.6	.4	.5	.5	.6	.5	.6	.6	.6	.6	.6	.6	.8	.6	.4	.7	1.4	23	1.6	
28	1.0	BD	.5	.4	.4	.5	.7	.9	.7	.6	.5	.5	.5	.5	.5	.5	.4	.4	.4	.5	.5	.4	.4	.4	23	1.0	
29	.3	BD	.3	.3	.3	.3	.6	.6	BF	BF	BF	.5	.4	.4	.3	.2	.3	.3	.4	.8	.5	.5	1.5	.7	20	1.5	
30	.7	BD	.4	.4	.3	.2	.3	.4	.3	.3	.3	.3	.4	.5	.5	.7	1.0	1.2	1.1	.6	.3	.2	.4	.4	23	1.2	
31	.2	BD	.1	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.1	.2	.1	.0	23	.4	
NO.:	31		31	31	31	31	31	31	28	28	28	30	30	30	29	30	30	31	31	31	31	31	31	31			
MAX:	1.5		1.0	1.0	1.4	1.6	1.6	1.5	1.8	2.4	1.7	1.9	1.2	1.0	1.2	1.5	1.4	1.2	1.1	2.0	2.4	3.1	2.7	1.4			
AVG:	.35		.27	.24	.25	.31	.44	.52	.52	.50	.49	.45	.40	.37	.32	.32	.33	.32	.38	.51	.50	.45	.50	.40			

MONTHLY OBSERVATIONS: 697 MONTHLY MEAN: .40 MONTHLY MAX: 3.1

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-183-0014 POC: 2  
 COUNTY: (183) Wake  
 CITY: (55000) Raleigh  
 SITE ADDRESS: 3801 SPRING FOREST RD.  
 SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (166) EASTERN PIEDMONT  
 URBANIZED AREA: (6639) RALEIGH, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.856111  
 LONGITUDE: -78.574167  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 100  
 PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: APRIL 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	.0	BD	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	.1	.2	23	.2	
2	.2	BD	.3	.2	.2	.2	.2	.3	.2	.3	.3	.4	.3	.2	.2	.1	.1	.1	.2	.2	.2	.2	.1	.1	23	.4	
3	.1	BD	.1	.1	.2	.3	.6	1.3	1.8	1.3	.7	.7	.7	.4	.4	.4	.4	AE	AE	AE	AE	AE	AE	AE	16	1.8	
4	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	0	
5	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	0	
6	.1	BD	.1	.1	.2	.3	.3	.4	.3	.4	.4	.4	.8	.9	.6	.4	.2	.2	.3	.2	.2	.2	.2	.2	23	.9	
7	.2	BD	.2	.2	.3	.3	.6	.9	.7	.5	.5	.4	.4	.3	.5	1.4	1.0	.5	.6	.8	1.1	1.2	.7	.6	23	1.4	
8	.6	BD	.5	.3	.2	.4	.7	1.1	1.1	1.1	1.4	1.9	1.5	1.2	1.0	.8	.8	.8	.8	.8	.7	.6	.8	.8	23	1.9	
9	.8	BD	.7	.6	.5	1.2	1.9	.8	.7	.6	.5	.6	.6	.5	.6	.5	.6	.6	.6	.5	.5	.6	.6	.6	23	1.9	
10	.5	BD	.7	.7	.5	.6	.9	.9	1.5	.9	.7	.8	.7	.6	.6	.6	.6	.4	.4	.4	.4	.4	.5	.5	23	1.5	
11	.6	BD	.6	.6	.6	.5	1.0	1.0	.7	.7	.7	.6	.5	.4	.3	.3	.4	.5	.7	.7	.4	.5	.8	1.8	23	1.8	
12	2.3	BD	.7	.8	1.3	1.4	2.7	3.2	2.6	1.6	BC	BC	.5	.5	.4	.9	.8	1.1	.9	1.0	1.5	1.4	1.8	1.8	21	3.2	
13	1.5	BD	1.0	.9	.7	1.0	1.4	2.1	1.3	.8	.5	.5	.5	.4	.4	.4	.3	.3	.3	.6	.6	.7	1.0	.6	23	2.1	
14	.4	BD	.6	.6	.5	.6	1.0	1.1	.9	.8	.7	.6	.5	.5	.6	.6	.6	.7	.5	.6	.5	.3	.3	.2	23	1.1	
15	.2	BD	.3	.4	.3	.2	.2	.5	.6	.5	.4	.3	.2	.2	.2	.1	.1	.1	.1	.1	.2	.1	.2	.1	23	.6	
16	.2	BD	.3	.3	.2	.2	.6	.5	.3	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.2	.2	.2	.1	.1	23	.6	
17	.1	BD	.1	.2	.1	.3	.7	.7	1.1	.7	.5	.4	.3	.2	.2	.2	.3	.4	.4	.5	.3	.4	.5	.4	23	1.1	
18	.5	BD	1.0	1.0	.7	.8	.8	1.1	1.3	1.9	1.9	1.6	1.4	1.2	1.0	1.0	.9	.8	.4	.4	.3	.1	.1	.2	23	1.9	
19	.2	BD	.4	.4	.3	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	.4	
20	.0	BD	.0	.2	.4	.5	.5	.2	.1	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.2	.1	.3	.3	.2	23	.5	
21	.1	BD	.1	.1	.0	.1	.4	.3	.2	.2	.3	.3	.3	.2	.1	.1	.1	.1	.1	.0	.1	.1	.0	.0	23	.4	
22	.0	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
23	.0	BD	.0	.1	.1	.1	.3	.3	.5	.4	.3	.4	.4	.5	.3	.2	.1	.2	.2	.3	.2	.2	.2	.1	23	.5	
24	.1	BD	.2	.3	.4	.5	.8	.8	.9	.9	.6	.4	.5	.4	.3	.4	.7	.6	.5	.6	.5	.4	.3	.3	23	.9	
25	.2	BD	.2	.3	.3	.4	.5	.4	.3	.2	.2	.2	.2	.2	.2	.2	.1	.2	.2	.3	.5	.2	.2	.2	23	.5	
26	.1	BD	.0	.0	.1	.1	.2	.4	.6	BC	BC	.3	.3	.4	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2	21	.6	
27	.1	BD	.2	.1	.1	.1	.3	.9	.2	.1	.1	.3	.9	1.1	.4	.1	.1	.3	1.1	.9	.3	.1	.1	.1	23	1.1	
28	.1	BD	.1	.1	.1	.1	.2	.2	.4	.6	.6	.6	.6	.6	.5	.5	.5	.5	.5	.5	.4	.4	.4	.3	23	.6	
29	.4	BD	.3	.3	.2	.2	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	23	.4	
30	.1	BD	.8	.4	.2	.1	.2	.3	.1	.1	.1	1.9	.7	.1	.1	.1	.1	.1	.1	.1	.1	.3	.4	.5	23	1.9	
31																									0		
NO.:	28		28	28	28	28	28	28	28	27	26	27	28	28	28	28	28	27	27	27	27	27	27	27	27		
MAX:	2.3		1.0	1.0	1.3	1.4	2.7	3.2	2.6	1.9	1.9	1.9	1.5	1.2	1.0	1.4	1.0	1.1	1.1	1.0	1.5	1.4	1.8	1.8			
AVG:	.35		.34	.33	.31	.38	.61	.71	.67	.56	.46	.53	.48	.41	.34	.35	.33	.33	.35	.39	.36	.34	.37	.38			

MONTHLY OBSERVATIONS: 633 MONTHLY MEAN: .42 MONTHLY MAX: 3.2

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-183-0014 POC: 2  
 COUNTY: (183) Wake  
 CITY: (55000) Raleigh  
 SITE ADDRESS: 3801 SPRING FOREST RD.  
 SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (166) EASTERN PIEDMONT  
 URBANIZED AREA: (6639) RALEIGH, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.856111  
 LONGITUDE: -78.574167  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 100  
 PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: MAY 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	.2	BD	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.2	.2	.1	.1	.2	.3	.3	.4	.2	.1	.1	23	.4
2	.1	BD	.1	.1	.2	.7	1.5	.7	.4	.3	.3	.2	.2	.2	.1	.1	.1	.1	2.0	3.7	.7	.4	.6	.5	23	3.7
3	.2	BD	.3	2.8	5.7	4.0	2.1	1.0	.6	.5	.3	.2	.2	.2	.2	.2	1.0	2.9	1.1	.8	.8	.9	.8	1.5	23	5.7
4	.3	BD	.1	.1	.1	.5	1.7	3.7	1.0	.6	.3	.2	.2	.2	.5	1.8	.2	.6	.4	.3	.4	.4	.3	.3	23	3.7
5	.8	BD	.2	.2	.2	.2	.4	.5	.6	.3	.3	.6	.8	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	23	.8
6	.1	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	.1
7	.0	BD	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.4	2.3	2.6	23	2.6
8	2.9	BD	1.1	.3	.2	.3	1.4	.8	.4	.6	.6	.4	.2	.0	.0	.0	.0	.0	.1	.1	.4	.7	.4	.0	23	2.9
9	.0	BD	.0	.0	.0	.0	.1	.2	.3	.4	.2	.1	.0	.1	.1	.0	.0	.0	.0	.0	.1	.2	.0	.0	23	.4
10	.0	BD	.3	.2	.3	.4	.6	.7	BF	BF	.2	.4	.5	.2	.1	.1	.0	.1	.1	.1	.2	.2	.1	.1	21	.7
11	.2	BD	1.7	.8	.5	.4	.5	.6	AZ	AZ	AZ	.4	.4	.3	.3	.3	.3	.3	.3	.4	.5	.5	.9	.7	20	1.7
12	.6	BD	.6	.9	.9	1.4	1.2	1.7	1.0	.9	.8	.6	.5	.7	.6	.5	.5	.5	.5	.6	.6	.5	.5	.4	23	1.7
13	.3	BD	.2	.2	.1	.1	.3	.5	.4	.7	.3	.3	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	23	.7
14	.0	BD	.0	.0	.1	.3	.6	.6	.5	.3	1.4	.5	.8	.2	.1	.0	.0	.0	.0	.0	.0	.2	.0	.0	23	1.4
15	.0	BD	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	.1
16	.0	BD	.0	.0	.0	.0	.1	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.0	.0	23	.2
17	.0	BD	.2	.0	.0	.1	.2	.4	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	23	.7
18	.1	BD	.2	.2	1.0	1.7	2.3	.7	.3	.2	.2	.2	.2	.2	.2	.2	.2	.1	.1	.1	.2	.3	.7	.9	23	2.3
19	.8	BD	2.0	1.7	.5	.2	.2	.6	.2	.1	.1	.1	.2	.2	.2	.2	.2	.2	.1	.2	.2	.2	.2	.1	23	2.0
20	.2	BD	.1	.1	.1	.2	.3	.3	.4	.3	.2	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1	.0	23	.4
21	.1	BD	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.0	23	.2
22	.0	BD	.0	.0	.0	.2	.4	.5	.5	1.2	.3	.5	.2	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	23	1.2
23	.1	BD	.0	.1	.0	.0	.1	.1	.0	.0	.1	.1	.1	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	23	.1
24	.0	BD	.0	.0	.0	.0	.0	.3	BF	BF	BF	.1	.1	.1	.1	.1	.3	.0	.0	.0	.0	.0	.0	.0	20	.3
25	.0	BD	.0	.0	.0	.1	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	.5
26	.0	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
27	.0	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
28	.0	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0
29	.0	BD	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	.1
30	.0	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.2	23	.2
31	.3	BD	.1	.3	.2	.2	.3	.5	.6	.7	.7	.5	.4	.3	.2	.3	.3	.2	.1	.0	.0	.0	.0	.0	23	.7
NO.:	31		31	31	31	31	31	31	28	28	29	31	31	31	31	31	31	31	31	31	31	31	31	31		
MAX:	2.9		2.0	2.8	5.7	4.0	2.3	3.7	1.0	1.2	1.4	.6	.8	.7	.6	.5	1.8	2.9	2.0	3.7	.8	.9	2.3	2.6		
AVG:	.24		.23	.26	.33	.35	.48	.50	.31	.27	.23	.19	.18	.12	.10	.10	.16	.16	.17	.22	.15	.17	.24	.24		

MONTHLY OBSERVATIONS: 705 MONTHLY MEAN: .23 MONTHLY MAX: 5.7

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-183-0014 POC: 2  
 COUNTY: (183) Wake  
 CITY: (55000) Raleigh  
 SITE ADDRESS: 3801 SPRING FOREST RD.  
 SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (166) EASTERN PIEDMONT  
 URBANIZED AREA: (6639) RALEIGH, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.856111  
 LONGITUDE: -78.574167  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 100  
 PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JUNE 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM		
1	.0	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	.1	
2	.0	BD	.0	.0	.0	.0	.5	.5	.4	.6	.6	.9	.4	.4	.2	.1	.0	.1	.1	.3	.3	.2	.2	.3	.3	23	.9	
3	.2	BD	.1	.0	.0	.0	.1	.1	.2	.3	.2	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2	23	.3	
4	.2	BD	.1	.0	.1	.2	.5	.5	.4	.4	.6	1.1	.4	.1	.1	.2	.2	.2	.2	.2	.2	.3	.2	.1	.2	23	1.1	
5	.2	BD	.4	.4	.6	.5	.3	.4	.5	.2	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	.6	
6	.0	BD	.0	.0	.0	.0	.0	.1	.2	.3	.2	.1	.1	.1	.1	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0	23	.3	
7	.0	BD	.0	.0	.0	.2	.3	.3	BF	BF	.5	.3	.3	.1	.1	.1	.1	.1	.1	.2	.1	.1	.1	.0	.0	21	.5	
8	.0	BD	.2	.2	.2	.3	.4	.7	.9	.9	.6	.4	.3	.3	.2	.3	.3	.3	.6	.6	.6	.6	.7	.8	.8	23	.9	
9	.6	BD	.6	.6	.6	.6	.5	.3	.9	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.3	.3	.3	.2	.2	.2	23	.9	
10	.3	BD	.2	.2	.1	.1	.2	.3	.3	.2	.3	.2	.2	.1	.1	.1	.1	.1	.1	.2	.0	.1	.0	.0	.0	23	.3	
11	.0	BD	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	.1	
12	.0	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	0.0	
13	.0	BD	.0	.0	.0	.0	.0	.0	.2	AZ	AZ	AZ	.0	.0	.1	.1	.1	.2	.1	.5	.2	.0	.0	.7	.7	20	.7	
14	.3	BD	.1	.1	.0	.2	.3	.5	.3	.2	.2	.1	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	23	.5	
15	.0	BD	.0	.0	.1	.2	.2	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.1	.0	.0	23	.2	
16	.0	BD	.7	.5	.4	.5	.4	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	23	.7	
17	.0	BD	.0	.0	.0	.0	.1	.4	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	.4	
18	.0	BD	.0	.0	.0	.0	.1	.3	.3	.3	.3	.7	.7	.3	.2	.2	.3	.3	.2	.2	.2	.1	.1	.0	.0	23	.7	
19	.0	BD	.0	.0	.0	.1	1.3	2.0	.9	.3	.2	.2	.2	.1	.1	.0	.0	.0	.1	.2	.1	.1	.1	.1	.1	23	2.0	
20	.0	BD	.0	.0	.0	.0	.9	.7	.4	.4	.7	.5	.4	.3	.2	.2	.1	.0	.0	.0	.0	.1	.1	.1	.3	23	.9	
21	.8	BD	.7	2.0	2.0	1.0	.5	.4	.5	.5	BF	BF	BC	BC	BC	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2	18	2.0	
22	.2	BD	4.0	4.3	4.7	2.3	1.8	1.1	.8	.6	.5	.5	.3	.2	.2	1.2	1.2	.1	.0	.0	.0	.0	.0	.0	.0	23	4.7	
23	.0	BD	.0	.0	.1	.7	3.2	1.4	.6	.2	.2	.2	.2	.2	.2	.2	.2	.3	.4	.3	.3	.3	.2	.1	.1	23	3.2	
24	.1	BD	.0	.1	.4	.3	.3	.3	.3	.2	.2	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	23	.4	
25	.2	BD	.2	.2	.1	.1	1.0	.5	.3	.2	.1	.1	.1	.5	.4	.4	.8	1.5	1.3	1.3	.2	.1	.0	.0	.0	23	1.5	
26	.0	BD	.4	1.0	1.6	1.0	.5	.3	.4	.5	.5	.7	.7	.7	.6	.6	.6	.5	.4	.4	.4	.4	.3	.2	.2	23	1.6	
27	.1	BD	.2	.3	.2	.3	3.0	.9	1.1	1.3	.6	.4	.4	.4	.3	.3	.3	.6	.8	.8	.9	1.0	.8	.8	.8	23	3.0	
28	.6	BD	.4	.4	.5	.7	1.3	1.2	.8	.6	.5	.5	.5	.5	.6	.8	.6	.5	.7	1.8	13.4	3.7	1.3	.5	.5	23	13.4	
29	.6	BD	1.0	2.1	4.3	3.3	3.1	2.0	BF	BF	2.0	1.8	1.4	1.3	1.4	1.5	1.2	.9	.8	.8	.9	1.0	.9	.2	.2	21	4.3	
30	.1	BD	.1	.1	.2	.2	.4	.4	.3	.3	.4	.5	.7	1.3	1.1	.7	1.4	1.1	1.5	.5	.4	.4	.4	2.4	23	2.4		
31																											0	
NO.:	30		30	30	30	30	30	30	28	27	28	28	29	29	29	30	30	30	30	30	30	30	30	30	30			
MAX:	.8		4.0	4.3	4.7	3.3	3.2	2.0	1.1	1.3	2.0	1.8	1.4	1.3	1.4	1.5	1.4	1.5	1.5	1.8	13.4	3.7	1.3	2.4				
AVG:	.15		.31	.42	.54	.43	.71	.53	.41	.33	.36	.36	.28	.26	.24	.26	.27	.23	.26	.31	.63	.31	.21	.24				

MONTHLY OBSERVATIONS: 678 MONTHLY MEAN: .35 MONTHLY MAX: 13.4

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-183-0014 POC: 2  
 COUNTY: (183) Wake  
 CITY: (55000) Raleigh  
 SITE ADDRESS: 3801 SPRING FOREST RD.  
 SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (166) EASTERN PIEDMONT  
 URBANIZED AREA: (6639) RALEIGH, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.856111  
 LONGITUDE: -78.574167  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 100  
 PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JULY 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	.8	BD	.5	.6	.4	.4	.5	.4	.3	.3	.2	.1	1.0	2.0	.3	.3	.2	.3	.3	.1	.1	.1	.2	.6	23	2.0
2	.6	BD	.4	.2	.1	.1	.3	.1	.2	.6	.5	.6	.4	.3	.4	.4	.4	.4	.4	.4	.4	.3	.3	.3	23	.6
3	.2	BD	.2	.2	.2	.2	.6	1.7	6.5	1.7	1.0	.6	.5	.8	1.0	.9	.8	.4	.4	.1	.1	.1	.2	.7	23	6.5
4	1.3	BD	.7	.9	1.0	.8	1.3	.9	.7	2.3	1.1	.3	.3	.2	.4	.0	.0	.1	.1	.2	.2	.3	.5	.4	23	2.3
5	.4	BD	.3	.3	1.1	4.9	7.4	6.7	2.3	1.1	.8	.9	1.2	1.2	.8	.3	.2	.2	.2	.2	3.2	3.4	.7	.2	23	7.4
6	.1	BD	.1	.1	.2	.2	.4	.7	1.3	1.4	1.2	1.5	1.5	1.4	1.2	1.0	.3	.2	.2	.1	.2	.3	.3	.3	23	1.5
7	.3	BD	.2	.3	.2	.4	1.2	2.1	.7	1.2	1.9	1.2	.8	.6	.5	.5	.3	.4	.5	.8	.4	.5	.5	.4	23	2.1
8	.3	BD	4.5	6.8	3.9	1.9	5.2	4.2	1.5	.5	.3	.3	.3	.4	.3	.5	1.2	.3	.3	.8	.3	.3	.2	.6	23	6.8
9	3.1	BD	.4	.4	.4	.3	.4	.5	.8	2.9	2.2	2.0	.5	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	23	3.1
10	.0	BD	.0	.0	.0	.0	.2	2.6	3.1	1.1	.5	.2	.1	.1	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	23	3.1
11	.0	BD	.0	.0	.0	.0	.0	.1	.2	BF	BF	.2	.1	.1	.0	.0	.0	.1	.1	.0	.0	.1	.2	.2	21	.2
12	.2	BD	.1	.2	.2	.2	.3	.5	.6	.4	.3	.2	.2	.2	.1	.2	.2	.1	.1	.1	.1	.0	.0	.0	23	.6
13	.0	BD	.0	.0	.0	.0	.2	.4	.3	.1	.1	.1	.0	.1	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	23	.4
14	.2	BD	.2	.1	.0	.1	.0	.1	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.1	.2	.1	.1	.1	.1	23	.2
15	.1	BD	.1	.1	.0	.1	.1	.1	.1	.2	.1	.2	.2	.1	.1	.1	.0	.1	.0	.1	.1	.1	.1	.1	23	.2
16	.1	BD	.2	.6	1.4	2.2	1.6	.9	.6	.5	.4	.3	.3	.2	.2	.3	.1	.4	2.6	5.6	5.0	1.1	1.4	23	5.6	
17	2.7	BD	5.2	4.1	3.8	3.0	1.7	1.2	1.2	1.0	.8	.6	.6	.4	.4	.4	.2	.4	.2	.1	.2	.2	.1	.1	23	5.2
18	.1	BD	.2	.4	.5	.5	.9	1.9	3.3	3.0	3.3	6.6	3.0	1.2	.5	.3	.2	.1	.3	.4	.3	.2	.2	.3	23	6.6
19	.4	BD	.6	.6	.6	1.2	3.1	3.6	1.1	.8	3.1	3.3	2.5	2.0	.5	1.0	1.7	.9	.1	.0	.0	.1	.4	.2	23	3.6
20	.0	BD	.1	.4	.3	.3	.4	1.4	4.3	.9	.2	.1	.1	.3	.0	.1	.0	.0	.0	.0	.3	.9	.3	.6	23	4.3
21	.8	BD	.3	.2	.2	1.2	2.2	5.8	1.8	1.4	1.0	1.0	1.2	.8	.2	.1	.9	.1	.1	.1	.1	.0	.0	.0	23	5.8
22	.0	BD	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	.1
23	.0	BD	.0	.0	.1	.9	2.9	3.6	.7	.3	.2	.2	.2	.1	.2	.2	.2	.1	.1	.1	.0	.3	1.4	23	3.6	
24	3.8	BD	1.5	.7	.9	1.0	1.1	1.0	.7	BA	.6	.5	.5	.6	.4	.0	.1	.1	.2	.1	.0	.1	.3	.3	22	3.8
25	.3	BD	.2	.2	.2	.2	.4	1.3	BF	BF	.8	.7	.5	.5	.4	.4	.4	.4	.4	.4	.4	.3	.2	.2	21	1.3
26	.2	BD	.2	.1	.1	.1	.3	2.1	1.6	.6	.3	.3	.2	.2	.6	.6	1.2	1.4	.2	.2	.1	.3	1.1	1.1	23	2.1
27	.5	BD	2.7	1.0	1.9	3.7	5.5	7.9	3.6	3.2	1.7	.3	.3	2.2	1.6	1.2	1.2	.6	.2	.0	.0	.0	.0	23	7.9	
28	.0	BD	.3	.6	.8	2.4	7.3	7.8	2.0	.5	.2	.2	.2	.2	.9	1.3	1.1	1.5	.6	.3	.0	.0	.0	.0	23	7.8
29	.0	BD	.0	.0	.1	.2	.2	.4	.7	.6	.5	.4	.3	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	23	.7
30	.1	BD	.0	.3	.4	.5	.4	.2	.1	.2	.1	.1	.1	.1	.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	23	.5
31	.0	BD	.0	.0	.0	.0	.1	.1	.0	.1	.4	.9	.7	.4	.2	.1	.1	.1	.1	.1	.1	.2	.1	.1	23	.9
NO.:	31		31	31	31	31	31	31	30	28	30	31	31	31	31	31	31	31	31	31	31	31	31	31		
MAX:	3.8		5.2	6.8	3.9	4.9	7.4	7.9	6.5	3.2	3.3	6.6	3.0	2.2	1.6	1.3	1.7	1.5	.6	2.6	5.6	5.0	1.1	1.4		
AVG:	.54		.62	.63	.61	.87	1.49	1.95	1.35	.96	.80	.77	.57	.56	.38	.33	.35	.32	.19	.23	.42	.42	.25	.32		

MONTHLY OBSERVATIONS: 708 MONTHLY MEAN: .65 MONTHLY MAX: 7.9

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-183-0014 POC: 2  
 COUNTY: (183) Wake  
 CITY: (55000) Raleigh  
 SITE ADDRESS: 3801 SPRING FOREST RD.  
 SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (166) EASTERN PIEDMONT  
 URBANIZED AREA: (6639) RALEIGH, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.856111  
 LONGITUDE: -78.574167  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 100  
 PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: AUGUST 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	.1	BD	.0	.1	.1	.2	.2	.2	.3	.3	.5	.6	.5	.2	.2	.1	.0	.0	.0	.1	.1	.1	.1	.1	.1	23	.6
2	.0	BD	.0	.0	.0	.2	.3	1.3	2.4	2.2	1.1	.2	.1	.1	.1	.2	.8	.2	.1	.1	.1	.1	.1	.1	.1	23	2.4
3	.0	BD	.0	.0	.0	.1	.2	.2	.3	.4	.7	.7	.6	.6	.5	.5	.3	.2	.2	.3	.2	.1	.1	.1	.1	23	.7
4	.2	BD	.1	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.0	.0	.0	.1	.9	.7	.2	.1	.1	.1	23	.9
5	.1	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0	.0	23	.1
6	.0	BD	.0	.1	.1	.8	2.6	3.2	6.5	3.1	.4	.2	.2	1.4	1.8	1.0	.9	.6	.1	.1	.1	.0	.0	.0	.0	23	6.5
7	.0	BD	.1	.0	.0	.1	.1	.2	.4	.3	BC	BC	BC	BC	BC	2.1	.6	.1	.1	.0	.1	.0	.0	.0	.0	18	2.1
8	.0	BD	.1	.3	.5	.8	AZ	AZ	AZ	AZ	.6	.3	.3	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	18	.8
9	.0	BD	.0	.0	.1	.4	.8	1.4	BF	BF	.9	2.5	3.1	2.1	.9	.2	.2	.2	.1	.2	.2	.2	.1	.1	.1	21	3.1
10	.1	BD	.1	.1	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	23	.1
11	.0	BD	.1	.1	.1	.1	.1	.1	.2	.1	.1	.0	.0	.1	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	23	.2
12	.0	BD	.0	.0	.0	.0	.1	.3	.4	.4	.4	.4	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	23	.4
13	.2	BD	.3	.2	.1	.3	.5	.5	.4	.5	.3	.2	.1	.1	.1	.1	.1	.2	.2	.2	.3	.3	.3	.2	.2	23	.5
14	.3	BD	.2	.2	.2	.2	1.7	5.0	5.6	3.1	2.7	3.2	3.4	1.8	2.6	1.5	.6	.3	.3	.3	.4	.5	.5	.5	.5	23	5.6
15	.3	BD	.2	.3	.4	.5	2.1	5.3	5.1	4.1	4.4	4.0	4.0	2.1	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	23	5.3
16	.0	BD	.0	.0	.0	.0	AZ	AZ	AZ	AZ	.4	.4	.4	.4	.3	.3	.3	.3	.3	.3	.3	.2	.2	.2	.2	19	.4
17	.1	BD	.1	.1	.1	.3	.6	.7	.4	.3	.5	.4	.4	2.2	1.9	1.6	1.2	.4	.2	.2	.1	.2	.3	.5	.5	23	2.2
18	.1	BD	.0	.0	.0	.1	.4	.4	.3	.3	.2	.2	.3	.2	.1	.1	.1	.1	.2	.1	.1	.1	.1	.1	.1	23	.4
19	.1	BD	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	23	.1
20	.0	BD	.0	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	23	.1
21	.1	BD	.1	.2	.1	.1	.2	.3	.2	.1	.1	BF	BF	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	21	.3
22	.1	BD	.0	.0	.0	.0	.1	.2	.1	.0	.1	.0	.0	.0	.0	.1	.1	.1	.1	.1	.4	.1	.1	.0	.0	23	.4
23	.0	BD	.0	.1	.2	.1	.1	.5	.7	.3	.3	.3	.3	.3	.2	.1	.2	.2	.2	.2	.2	.2	.2	.1	.1	23	.7
24	.1	BD	.2	.2	.1	.2	.9	.7	.3	.2	.1	.1	.1	.1	.1	.1	.2	.3	.6	.6	.6	.3	.1	.0	.0	23	.9
25	.0	BD	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.1	.1	.0	.1	.0	.0	.1	.2	.2	.3	.6	.6	23	.6
26	.7	BD	.2	.1	.1	.1	.2	.2	.3	.4	.6	.4	.3	.2	.2	.2	.2	.1	.1	.1	.1	.1	.4	.0	.0	23	.7
27	.0	BD	.0	.0	.0	.0	.2	.3	.5	.3	.1	.1	.0	.0	.1	.6	.3	.1	.1	.1	.1	.1	.0	.0	.0	23	.6
28	.0	BD	.0	.0	.0	.2	.2	1.2	.3	.2	.1	.1	1.1	3.2	1.6	.4	.2	.1	.1	.0	.0	.2	1.3	1.2	.2	23	3.2
29	1.4	BD	.1	.0	.0	.1	.3	.6	1.3	.6	.4	.5	.4	.5	.5	.5	.5	.5	.4	.3	.2	.2	.2	.1	.1	23	1.4
30	.1	BD	.1	.1	.1	.3	.5	.3	.6	.3	1.3	2.2	.5	.7	.2	.1	.1	.2	.1	.1	.2	.3	.2	.1	.1	23	2.2
31	.1	BD	.1	.1	.1	.2	2.1	.8	.2	.1	.1	.1	.1	.2	.1	.2	.2	.2	.2	.8	1.6	4.1	13.7	1.6	23	13.7	
NO.:	31		31	31	31	31	30	29	28	28	28	29	29	30	30	31	31	31	31	31	31	31	31	31	31		
MAX:	1.4		.3	.3	.5	.8	2.6	5.3	6.5	4.1	4.4	4.0	4.0	3.2	2.6	2.1	1.2	.6	.6	.9	1.6	4.1	13.7	1.6			
AVG:	.14		.07	.07	.08	.18	.49	.84	.97	.65	.55	.60	.58	.58	.42	.33	.26	.16	.14	.19	.22	.26	.61	.20			

MONTHLY OBSERVATIONS: 695 MONTHLY MEAN: .37 MONTHLY MAX: 13.7

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-183-0014 POC: 2  
 COUNTY: (183) Wake  
 CITY: (55000) Raleigh  
 SITE ADDRESS: 3801 SPRING FOREST RD.  
 SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (166) EASTERN PIEDMONT  
 URBANIZED AREA: (6639) RALEIGH, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.856111  
 LONGITUDE: -78.574167  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 100  
 PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: SEPTEMBER 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	3.9	BD	.4	.3	.2	.2	.6	.7	.6	.5	.5	.8	.8	.5	.3	.4	.3	.3	.2	.2	.4	.2	.1	.0	23	3.9	
2	.1	BD	.4	.2	.1	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	.4
3	.0	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	23	.2
4	.0	BD	.0	.0	.0	.0	.1	.1	.1	.1	BF	BF	BF	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	20	.1
5	.0	BD	.1	.2	.2	.1	.2	.2	.2	.2	.2	.2	.2	.4	.2	.4	.5	.3	.1	.2	.3	.2	.2	.1	23	.5	
6	.1	BD	.1	.2	.3	.3	.4	.5	.4	.3	.7	.7	.5	.5	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	.7
7	.0	BD	.0	.0	.0	.1	.1	.2	.2	.1	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.1	.1	.2	.1	23	.2	
8	.1	BD	.1	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.4	.2	.0	.0	.0	.0	.0	.0	.0	23	.4
9	.0	BD	.3	.1	.1	.1	.0	.1	.2	.6	.6	.4	.3	.2	.2	.3	.4	.4	.3	.2	.2	.2	.2	.3	23	.6	
10	.3	BD	.2	.2	.2	.2	.5	.7	1.0	1.3	1.5	.6	.5	.5	.7	.8	.6	.5	.5	.5	.4	.3	.7	.5	23	1.5	
11	.4	BD	.5	.4	1.2	1.4	2.3	1.9	.8	.6	.6	.5	.6	.5	.5	.5	.5	.4	.4	.4	.4	.3	.2	.2	23	2.3	
12	.2	BD	.2	.1	.2	.6	1.1	1.7	1.6	.6	.5	.5	.4	.4	.4	.4	.4	.4	.3	.3	.3	.8	.4	.2	23	1.7	
13	.2	BD	.3	.4	.3	.2	.4	.7	.3	.4	.4	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.3	.2	.1	23	.7	
14	.1	BD	.5	.3	.2	.2	.2	.3	.2	.1	.1	.1	.1	.1	.0	.1	.1	.1	.1	.3	.5	.5	.2	.1	23	.5	
15	.1	BD	.1	.2	.3	.2	.5	.5	.8	.9	.5	.3	.3	.3	.2	.2	.2	.2	.2	.1	.1	.1	.1	.1	23	.9	
16	.1	BD	.1	.1	.1	.2	.1	.1	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.4	.3	.1	23	.4	
17	.1	BD	.1	.2	.1	.1	.1	.3	.4	.3	.3	.3	.2	.1	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	23	.4	
18	.1	BD	.1	.1	.1	.1	.1	.1	BF	BF	.1	.0	.0	.0	.0	.0	.1	.1	.0	.1	.0	.1	.1	.0	21	.1	
19	.0	BD	.0	.0	.1	.1	.1	.1	.2	.3	.4	.4	.3	.4	.4	.5	.6	.4	.4	.3	.3	.3	.3	.2	23	.6	
20	.3	BD	.4	.2	.3	.2	.4	.5	.6	.4	.4	.4	.3	.3	.3	.3	.3	.3	.2	.3	.2	.1	.2	.2	23	.6	
21	.2	BD	.3	.3	.5	1.0	1.1	1.2	.8	.5	.7	1.9	1.0	.3	.4	.8	1.1	.6	.4	.4	.3	.4	.4	.3	23	1.9	
22	.2	BD	.2	.2	.2	.4	.4	.7	.7	1.2	1.3	1.0	.9	.5	.4	.3	.3	.2	.3	.4	.3	.3	.3	.3	23	1.3	
23	.3	BD	.5	.6	.7	.7	.4	.6	.6	.6	.6	.5	.5	.4	.4	.3	.3	.4	.5	.4	.3	.2	.2	.4	23	.7	
24	.9	BD	.5	.4	.3	.2	.4	.4	.4	.4	.8	.8	.7	.6	.5	.5	.5	.5	.4	.4	.3	.3	.2	.2	23	.9	
25	.2	BD	.2	.3	.4	.8	.9	1.0	.9	.8	.6	.5	.5	.4	.4	.4	.4	.5	.6	.5	.5	.4	.4	.3	23	1.0	
26	.3	BD	.3	.2	.3	.4	.8	1.4	.9	.6	.6	.6	.7	.6	.5	.5	.5	.6	.6	.6	.5	.4	.3	.2	23	1.4	
27	.2	BD	.2	.1	.3	.4	.9	1.1	.6	1.1	.8	.6	.5	.5	.5	.4	.5	.5	.4	.6	.5	.3	.2	23	1.1		
28	.2	BD	.2	.2	.2	.4	.9	1.1	.8	.7	1.0	.8	.7	.7	.4	.3	.4	.5	.4	.2	.1	.1	.1	.1	23	1.1	
29	.1	BD	.1	.0	.1	.0	.1	.1	.1	.1	.1	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.0	.0	.0	23	.1	
30	.0	BD	.0	.0	.1	.1	.2	.4	.6	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2	.4	.3	.3	.1	.1	23	.6	
31																										0	
NO.:	30		30	30	30	30	30	30	29	29	29	29	29	30	30	30	30	30	30	30	30	30	30	30	30		
MAX:	3.9		.5	.6	1.2	1.4	2.3	1.9	1.6	1.3	1.5	1.9	1.0	.7	.7	.8	1.1	.6	.6	.6	.6	.8	.7	.5			
AVG:	.29		.21	.18	.24	.29	.45	.56	.49	.46	.48	.43	.37	.29	.28	.29	.31	.28	.24	.25	.23	.23	.19	.14			

MONTHLY OBSERVATIONS: 685 MONTHLY MEAN: .31 MONTHLY MAX: 3.9

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-183-0014 POC: 2  
 COUNTY: (183) Wake  
 CITY: (55000) Raleigh  
 SITE ADDRESS: 3801 SPRING FOREST RD.  
 SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (166) EASTERN PIEDMONT  
 URBANIZED AREA: (6639) RALEIGH, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.856111  
 LONGITUDE: -78.574167  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 100  
 PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: OCTOBER 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	.2	BD	.1	.1	.1	.1	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1	.1	.1	.1	.1	23	.3
2	.1	BD	.0	.0	.0	.0	.1	.2	.1	BF	BF	.1	.1	.1	.1	.1	.2	.3	.1	.0	.0	.0	.0	.0	.0	21	.3
3	.0	BD	.0	.0	.0	.1	.3	.3	.2	.1	.0	.0	.0	.1	.1	.3	.4	.4	.4	.4	.4	.3	.3	.2	23	.4	
4	.2	BD	.1	.1	.2	.2	.4	.3	.4	.4	.4	.6	.8	1.0	1.0	.7	.5	.4	.5	.7	.5	.7	.8	.5	23	1.0	
5	.1	BD	.1	.1	.1	.2	.5	1.4	3.1	BA	BA	.5	.5	.4	.4	.4	.4	.4	.4	.4	.4	.3	.3	.4	21	3.1	
6	.6	BD	.5	.2	.2	.2	.5	.5	.5	.5	.3	.3	.3	.3	.2	.2	.2	.2	.2	.2	.2	.3	.2	.2	.1	23	.6
7	.1	BD	.1	.2	.2	.2	.3	.2	.2	.1	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2	23	.3
8	.3	BD	.2	.1	.1	.3	.4	.4	.4	.3	BA	.3	.3	.2	.2	.2	.2	.2	.2	.1	.2	.2	.2	.1	.1	22	.4
9	.1	BD	.1	.2	.1	.1	.1	.2	BC	BC	BC	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	.2
10	.0	BD	.0	.1	.3	.3	.4	.4	.2	.1	.2	.2	.2	.2	.2	.2	.2	.2	.1	.2	.3	.2	.2	.1	23	.4	
11	.1	BD	.3	.4	.6	.4	.9	1.1	1.2	.9	.6	.6	.6	.5	.5	.5	.5	.6	.5	.6	.4	.5	1.2	1.1	23	1.2	
12	.9	BD	1.3	1.2	1.0	1.3	2.6	2.4	1.3	.6	.6	1.2	.5	1.1	5.3	2.6	1.2	1.0	.4	.3	.4	1.3	.7	.8	23	5.3	
13	.6	BD	.4	.3	.3	.3	.5	.6	.5	.3	.3	.2	.2	.2	.3	.3	.3	.4	.5	.3	.3	.5	.6	.4	23	.6	
14	.4	BD	.4	.3	.3	.4	.3	.4	.5	.3	.2	.1	.1	.1	.1	.1	.1	.2	.2	.3	.2	.2	.1	.0	23	.5	
15	.0	BD	.0	.0	.0	.0	.2	.4	.7	.5	.3	.3	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	.0	.2	23	.7	
16	.4	BD	.1	.5	1.0	2.0	2.4	3.1	5.4	3.4	1.5	1.1	.8	.9	.5	.3	.3	.4	.8	1.1	.9	.8	1.1	1.3	23	5.4	
17	1.3	BD	1.0	.9	.9	1.0	1.2	1.8	1.0	.6	.5	.5	.5	.4	.5	.5	.5	.5	.3	.4	.3	.1	.1	.0	23	1.8	
18	.0	BD	.0	.0	.1	.2	.6	.5	.6	.4	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	23	.6	
19	.0	BD	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.2	.2	.1	.1	.1	.1	.3	.4	.5	.5	.7	.5	23	.7	
20	.2	BD	.3	.2	.2	.2	.7	.9	.7	.7	1.3	1.2	1.5	1.8	.7	.3	.2	.2	.3	.5	1.0	4.2	1.8	3.2	23	4.2	
21	1.2	BD	3.8	.8	.4	.4	1.5	2.2	1.2	.6	.4	.3	.3	.3	.3	.3	.5	.6	.6	1.1	.8	.6	.6	.9	23	3.8	
22	.8	BD	1.3	1.2	.9	1.3	1.9	2.0	1.8	.8	.6	BF	BF	.7	1.3	1.5	1.4	1.1	1.4	1.6	2.1	1.6	1.6	1.6	21	2.1	
23	1.4	BD	1.8	1.8	1.4	2.0	3.5	4.1	2.2	1.5	1.6	1.1	.8	.7	.6	.7	.7	1.0	.8	1.0	1.1	1.0	.4	.3	23	4.1	
24	.2	BD	.2	.1	.2	.4	1.1	2.1	1.8	1.1	.9	1.5	1.2	.7	.6	.6	.6	1.0	1.4	1.2	1.5	1.9	1.1	1.1	23	2.1	
25	.6	BD	.9	.8	1.0	1.6	2.0	2.1	4.1	2.8	.8	.5	.2	.1	.1	.2	.3	.5	.6	.2	.6	.3	.2	.1	23	4.1	
26	.1	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	23	.1
27	.0	BD	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	23	.1
28	.1	BD	.3	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.1	.0	.2	23	.3	
29	.2	BD	.1	.1	.0	.0	.0	.0	.1	.1	.3	.5	.4	.4	.4	.4	.3	.2	.1	.1	.1	.1	.0	.1	23	.5	
30	.0	BD	.0	.1	.1	.1	.2	.2	.2	.2	.2	.4	.3	.4	.4	.4	.5	.6	.4	.4	.6	.5	.7	.5	.4	23	.7
31	.4	BD	.4	.5	.4	.4	.6	1.0	AZ	AZ	AZ	.6	.6	.6	.6	.4	.4	.4	.4	.3	.5	.5	.5	.4	20	1.0	
NO.:	31		31	31	31	31	31	31	29	27	26	30	30	31	31	31	31	31	31	31	31	31	31	31	31		
MAX:	1.4		3.8	1.8	1.4	2.0	3.5	4.1	5.4	3.4	1.6	1.5	1.5	1.8	5.3	2.6	1.4	1.1	1.4	1.6	2.1	4.2	1.8	3.2			
AVG:	.34		.45	.34	.33	.45	.76	.94	.99	.62	.46	.44	.38	.39	.48	.38	.34	.37	.36	.39	.44	.55	.43	.46			

MONTHLY OBSERVATIONS: 700 MONTHLY MEAN: .48 MONTHLY MAX: 5.4

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Dec. 15, 2015

(42401) Sulfur dioxide

SITE ID: 37-183-0014 POC: 2  
 COUNTY: (183) Wake  
 CITY: (55000) Raleigh  
 SITE ADDRESS: 3801 SPRING FOREST RD.  
 SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (166) EASTERN PIEDMONT  
 URBANIZED AREA: (6639) RALEIGH, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.856111  
 LONGITUDE: -78.574167  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 100  
 PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environment And Natural Resources  
 MONITOR TYPE: SLAMS  
 COLLECTION AND ANALYSIS METHOD: (560) INSTRUMENTAL Pulsed Fluorescent 43  
 PQAQ: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: NOVEMBER 2012

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	.4	BD	1.0	.9	.9	1.0	1.0	1.3	1.0	.6	.4	.4	.3	.4	.3	.3	.3	.2	.2	.2	.2	.4	.7	.7	23	1.3	
2	.6	BD	.6	.6	.7	.8	1.4	1.9	2.4	2.3	1.8	1.8	1.3	1.7	1.7	1.3	1.4	1.4	1.5	1.2	1.3	1.0	1.0	1.1	23	2.4	
3	.9	BD	.6	.9	.9	.8	.8	1.2	3.1	4.6	3.7	.7	2.9	1.9	.7	.5	.4	.6	1.1	.9	1.1	.7	1.0	1.4	23	4.6	
4	.9	BD	.4	.4	.5	.6	.6	.6	.7	.8	.8	.8	.8	.7	.7	.7	.7	.7	.6	.6	.5	.5	.5	.5	23	.9	
5	.5	BD	.3	.3	.6	.7	.7	1.0	1.5	2.0	1.9	BF	BF	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	10	2.0	
6	AN	BD	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
7	AN	BD	AN	AN	AN	AN	AN	AN	AN	BA	BA	BA	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
8	AN	BD	AN	AN	AN	AN	AN	AN	AN	BA	BA	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
9	AN	BD	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	BC	BC	1.2	1.0	1.0	2.2	2.3	2.8	2.9	2.9	4.0	2.9	10	4.0	
10	4.2	BD	2.7	2.6	2.5	2.6	2.5	2.4	1.9	1.7	1.2	.7	.6	.5	.6	.8	.8	1.6	2.5	3.0	3.1	2.4	1.2	1.1	23	4.2	
11	.6	BD	.3	.3	.2	.2	.5	1.2	1.1	2.5	2.2	1.8	1.3	1.2	.5	.4	.6	.9	.6	.4	.2	.1	.0	.0	23	2.8	
12	.0	BD	.0	.0	.0	.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	23	.2
13	.0	BD	.0	.0	.0	.0	-.1	.1	.1	.4	.1	BF	BF	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	.4
14	.1	BD	.2	.3	.6	.6	.6	.7	.7	.6	.5	.4	.4	.4	.4	.5	.5	.6	.5	.4	.4	.4	.4	.4	.4	23	.7
15	.4	BD	.3	.5	.6	.5	.4	.4	.4	.6	.7	.6	.5	.4	.3	.2	.2	.1	.1	.1	.1	.1	.1	.2	23	.7	
16	.2	BD	.3	.3	.3	.5	.4	.5	.7	.7	.7	.7	1.6	1.6	1.4	1.1	.8	.6	1.3	1.1	1.2	1.2	1.1	.6	23	1.6	
17	.6	BD	.7	.7	.7	.9	.9	1.2	1.4	1.0	.8	.7	.6	.5	.5	.5	.6	.6	.6	.5	.3	.4	.5	.4	23	1.4	
18	.4	BD	.3	.2	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.3	.2	.2	.2	.2	.1	23	.4	
19	.2	BD	.1	.2	.3	.3	.1	.1	.1	BA	BA	BA	BA	.3	.2	.1	.0	.1	.1	.1	.1	.1	.0	.0	19	.3	
20	.1	BD	.1	.0	.1	.1	.2	.2	.6	.6	.6	.5	.3	.3	.2	.1	.1	.2	.4	.5	.2	.2	.1	.0	23	.6	
21	.0	BD	.0	.0	.0	.0	.1	.1	.3	.6	.4	.5	.6	.8	1.0	1.0	.8	.8	1.1	1.6	.8	.6	1.1	1.1	23	1.6	
22	1.0	BD	.9	.7	.6	.7	1.0	1.1	1.2	1.1	.8	.6	.5	.4	.4	.5	.7	.6	1.0	.5	.5	1.0	1.3	2.3	23	2.3	
23	1.5	BD	2.2	2.5	2.5	2.3	2.9	3.2	2.5	1.6	1.5	1.3	1.3	1.1	1.0	1.1	1.2	1.3	1.2	1.4	1.5	.9	.4	.4	23	3.2	
24	.2	BD	.2	.3	.2	.3	.3	.5	.6	.5	1.1	1.0	1.1	.5	.4	.5	.6	.6	.7	1.4	7.0	3.4	5.6	4.5	23	7.0	
25	3.1	BD	.8	.5	.5	.4	.5	.7	.9	1.2	.9	.8	.8	1.0	.8	.7	.7	.9	1.1	.9	.9	.8	.7	.7	23	3.1	
26	.6	BD	.5	.3	.9	1.1	1.0	4.2	3.2	3.6	BF	1.6	1.2	1.1	.9	.7	.8	1.5	1.9	1.9	2.1	1.9	2.2	1.9	22	4.2	
27	1.1	BD	.6	.7	.7	.9	1.4	2.0	2.5	2.2	2.3	1.6	1.3	1.1	.9	2.1	5.3	1.1	.4	.4	.4	.5	.4	.5	23	5.3	
28	1.1	BD	1.0	.7	.6	.5	.4	.6	1.5	1.8	1.7	2.5	2.9	2.1	2.1	3.1	2.8	3.1	3.9	5.3	4.1	3.6	3.8	4.0	23	5.3	
29	3.3	BD	2.0	2.6	3.2	3.6	3.9	5.5	5.0	3.0	1.9	1.7	1.9	2.8	2.1	1.3	1.3	2.4	3.6	2.5	3.9	4.3	2.7	4.4	23	5.5	
30	2.5	BD	3.3	2.8	2.3	3.0	4.0	4.4	4.2	3.0	1.9	1.3	1.2	1.2	1.1	1.0	1.1	2.0	1.9	1.2	1.8	1.6	1.4	1.8	23	4.4	
31																										0	
NO.:	26		26	26	26	26	26	26	26	25	24	23	23	25	26	26	26	26	26	26	26	26	26	26	26		
MAX:	4.2		3.3	2.8	3.2	3.6	4.0	5.5	5.0	4.6	3.7	2.5	2.9	2.8	2.1	3.1	5.3	3.1	3.9	5.3	7.0	4.3	5.6	4.5			
AVG:	.94		.75	.74	.79	.87	.99	1.36	1.45	1.49	1.19	.98	1.04	.89	.78	.76	.87	.93	1.13	1.13	1.35	1.14	1.19	1.19			

MONTHLY OBSERVATIONS: 588 MONTHLY MEAN: 1.04 MONTHLY MAX: 7.0

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

(42401) Sulfur dioxide

SITE ID: 37-183-0014 POC: 2  
 COUNTY: (183) Wake  
 CITY: (55000) Raleigh  
 SITE ADDRESS: 3801 SPRING FOREST RD.  
 SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35  
 MONITOR COMMENTS:

STATE: (37) North Carolina  
 AQCR: (166) EASTERN PIEDMONT  
 URBANIZED AREA: (6639) RALEIGH, NC  
 LAND USE: RESIDENTIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7446-09-5  
 LATITUDE: 35.856111  
 LONGITUDE: -78.574167  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 100  
 PROBE HEIGHT:

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

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (560) INSTRUMENTAL Pulsed Fluorescent 43

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

REPORT FOR: DECEMBER 2012

DURATION: 1 HOUR

UNITS: Parts per billion

MIN DETECTABLE: .2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	2.7	BD	2.1	2.4	2.3	2.1	2.3	2.3	3.0	1.8	1.6	1.4	1.0	.7	.7	.7	.7	1.0	1.3	1.6	1.8	2.3	1.5	2.0	23	3.0	
2	2.1	BD	1.9	1.8	1.8	1.7	1.8	1.3	.7	.7	.7	.6	.6	.6	.5	.4	.4	.4	.4	.3	.3	.2	.2	.1	23	2.1	
3	.1	BD	.2	.4	.7	.6	.5	.7	.7	.5	.4	.4	.3	.3	.2	.2	.3	1.0	1.2	.7	.5	.5	.8	.3	23	1.2	
4	.2	BD	.0	.1	.0	.5	2.2	2.8	2.7	1.6	1.5	.5	.3	.2	.1	.2	.2	.3	.6	.7	.3	.3	.1	.1	23	2.8	
5	.1	BD	.0	.1	.1	.0	.1	.3	.2	.3	.2	.2	.2	.8	.3	.2	.0	.0	.0	.0	.1	.1	.1	.3	23	.8	
6	.4	BD	.0	.3	.7	.7	.8	.8	.8	.7	BF	.6	.6	.6	.5	.5	.6	.5	.4	.5	.4	.3	.3	.3	22	.8	
7	.3	BD	.2	.1	.1	.1	.2	.2	.2	.2	.1	.2	.2	.3	.2	.1	.1	.1	.2	.1	.0	.0	.0	.0	23	.3	
8	.0	BD	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.3	.3	.3	.1	.2	.4	23	.4	
9	.3	BD	.1	.1	.0	.1	.0	.1	.2	.5	.5	.3	.3	.1	.0	.0	.1	.4	.9	.7	.4	.1	.1	.0	23	.9	
10	.0	BD	.0	.0	.0	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	23	.2	
11	.3	BD	.2	.1	.0	.0	.0	.1	BF	BC	BC	.0	.0	.0	.1	.2	.2	.1	.2	.4	.6	.7	.4	.4	20	.7	
12	.6	BD	.5	.5	.6	.5	.6	1.0	1.4	1.7	1.8	1.9	1.8	1.8	1.7	1.6	1.2	.7	.7	.8	.7	.7	.6	.5	23	1.9	
13	.7	BD	.9	1.0	1.2	.9	1.1	1.4	1.5	1.6	1.5	1.3	1.2	1.1	1.0	.9	.8	.8	.7	1.1	.9	.9	.8	.9	23	1.6	
14	.6	BD	.2	.2	.1	.2	.9	1.6	1.9	2.1	.9	1.4	1.2	.9	.6	.5	.6	1.0	3.4	3.7	6.1	4.4	3.3	4.0	23	6.1	
15	3.8	BD	3.3	2.9	2.5	2.6	2.5	2.3	2.4	2.2	1.0	.6	.4	.6	.3	.4	.7	.7	.6	.6	.5	.4	.4	.4	23	3.8	
16	.4	BD	.2	.1	.1	.1	.0	.1	.2	.2	.2	.2	.2	.2	.1	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	23	.4
17	.0	BD	.0	.0	.0	.0	.0	-.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	.1
18	.0	BD	.0	.0	.0	.0	.0	.1	.1	.0	BF	BF	.2	.3	.1	.2	.2	.1	.0	.0	.0	.0	.1	.4	21	.4	
19	.3	BD	.2	.2	.4	.9	1.5	2.1	2.7	2.6	1.4	.8	.6	.6	.6	.5	.7	2.6	3.3	2.3	2.5	4.5	3.4	3.2	23	4.5	
20	2.3	BD	.7	.6	.7	.8	.7	.9	1.1	1.2	.8	.8	.9	.8	.6	.5	.5	.5	.4	.2	.1	.0	.0	.0	.0	23	2.3
21	.0	BD	.0	.0	.0	.0	.0	.2	.1	.0	.1	.2	.1	.1	.1	.2	.3	.4	.4	.2	.2	.2	.2	.3	23	.4	
22	.3	BD	.1	.1	.1	.1	.1	.2	.3	.4	.5	.4	.3	.3	.4	.3	.4	.4	1.4	1.1	1.2	2.3	2.4	1.2	23	2.4	
23	.6	BD	.5	.5	.5	.5	.5	.5	1.3	1.2	1.2	.8	.6	.4	BF	BC	.4	.6	.8	.9	.8	.8	.6	.7	21	1.3	
24	.5	BD	.3	.3	.3	.3	.4	.6	.7	.9	1.0	1.0	1.1	1.3	1.2	1.1	.9	.8	.6	.4	.2	.1	.1	.0	23	1.3	
25	.0	BD	.0	.0	.0	.0	.1	.0	.1	.1	.2	.3	.2	.2	.2	.2	.2	.2	.2	.1	.1	.2	.3	.4	23	.4	
26	.7	BD	.9	.5	.4	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.3	23	.9	
27	.1	BD	.4	.5	.5	.5	.5	.5	.6	.6	.5	AZ	AZ	.3	.3	.3	.2	.2	.2	.2	.2	.4	.7	1.5	21	1.5	
28	3.2	BD	3.3	3.6	2.9	1.9	1.8	2.3	2.7	1.4	1.0	.7	.7	.6	.5	.5	.6	.7	.8	.5	.5	.4	.4	.4	23	3.6	
29	.3	BD	.3	.3	.2	.2	.2	.1	.1	.1	.1	.1	.2	.3	.2	.2	.2	.1	.2	.6	.5	.7	.9	1.3	23	1.3	
30	1.3	BD	3.0	2.5	1.8	1.2	1.1	.8	.8	.8	1.3	2.2	2.0	1.3	1.0	1.0	.9	.9	1.1	1.0	.6	.6	.6	.7	23	3.0	
31	.8	BD	.9	1.1	1.3	1.4	1.6	2.2	2.0	1.4	1.0	.8	.6	.5	BF	.5	.5	.6	.9	.7	.7	.5	.4	.4	22	2.2	
NO.:	31		31	31	31	31	31	31	30	30	28	29	30	31	29	30	31	31	31	31	31	31	31	31			
MAX:	3.8		3.3	3.6	2.9	2.6	2.5	2.8	3.0	2.6	1.8	2.2	2.0	1.8	1.7	1.6	1.2	2.6	3.4	3.7	6.1	4.5	3.4	4.0			
AVG:	.74		.66	.65	.62	.58	.70	.82	.96	.83	.70	.61	.53	.49	.40	.39	.39	.50	.69	.64	.67	.70	.61	.67			

MONTHLY OBSERVATIONS: 702 MONTHLY MEAN: .63 MONTHLY MAX: 6.1

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

QUALIFIER CODES:

Qualifier Code	Qualifier Description	Qualifier Type
AE	Shelter Temperature Outside Limits	NULL
AM	Miscellaneous Void	NULL
AN	Machine Malfunction	NULL
AT	Calibration	NULL
AV	Power Failure	NULL
AZ	Q C Audit	NULL
BA	Maintenance/Routine Repairs	NULL
BC	Multi-point Calibration	NULL
BD	Auto Calibration	NULL
BE	Building/Site Repair	NULL
BF	Precision/Zero/Span	NULL
BJ	Operator Error	NULL
SA	Storm Approaching	NULL

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