

Introduction to Standard Reports



How to get information out of AQS

- Via AQS Standard Reports
 - Run from AQS
 - Requires AQS user-id and password
- Via Non AQS Data Sources using AQS Data
 - Data Mart
 - Air Data
 - Discoverer and Discoverer Replacement



Site & Monitor Reports

- Site metadata
 - Location, nearby streets
 - Open Path Set Up
 - Which PM_{2.5}, lead or NO₂ Monitor is the Primary Monitor
 - AMP380 (Site Description)
- Monitor metadata
 - How a given pollutant is measured
 - Sampling length
 - Monitoring frequency
 - Agencies responsible for the monitor and analysis
 - Monitoring objectives
 - Collocation information
 - AMP 390 (Monitor description), AMP220 (Monitor Networks)



Detail Data Reports

- “Raw” data from AQS
 - Can import information into spreadsheet for further processing
 - Open Path Set Up
- Extraction Reports
 - Provide data in AQS transaction format with Insert, Delete or Update codes
 - Useful for duplicating and reloading data
 - AMP500 – Extract Site/Monitor data, AMP501 (Extract Raw Data), AMP503 (Extract Blanks data), AMP350, AMP350MX, AMP350P, AMP350NW (Raw Data records)



Summary Data Reports

- Contains the calculated summary values from AQS
 - Multi-hour Averages (e.g. 8-hour running average)
 - Daily Summaries
 - Site Summaries (PM_{2.5} and Lead Only)
 - Quarterly Summaries
 - Annual Summaries
 - Site Annual Summaries (PM_{2.5} and Lead Only)
 - AMP450 (Quick Look), AMP435 (Daily Summary), AMP355 (Combined Site Sample Values)



Quality Assurance Reports

- Quality Assurance Reports
 - Provide Detail and Summary data on Quality Assurance measures
 - AMP256 (QA Data Quality Indicator Report)
 - AMP251 (QA Raw Assessment report)
 - AMP504 (Extract QA Data)



Raw Data Qualifier report

- Raw data points that have qualifiers
 - Null data code qualifiers
 - Quality assurance qualifiers
 - Exceptional event qualifiers
 - Includes any Regional Office concurrence information
 - AMP360 – Raw Data Qualifier report



Data Certification Reports

- Used to Certify Quality Assurance Measurements
- AMP600 – Certification Evaluation and Concurrence Report



Design Values Report

- Generates the statistics used for NAAQS determinations.
- Also allows the 1) assessment of the effect of exceptional event flagging on Design Values, and 2) the assessment of attainment issues based on partial data.
- AMP480 – Design values report



Standard Reports

- Retrieval
 - Standard report selection



The Process of Creating a Report – Choosing the “Criteria Set”

1. Select report (Report Code field)
2. Specify Output type (Report, Workfile, XML)
3. Establish report-selection criteria
 1. Geography
 2. Pollutants
 3. Date
 4. Screening group
4. Modify report Sort Order criteria (where available)
5. Modify output Report Options (where available)
6. Generate Report
7. As you leave Reports form, prompted to save the Criteria Set.

General Issues

- Do NOT run reports without specifying some limiting selection criteria
- Almost all reports require date-selection criteria
- Sort Order and Report Options available on reports where data structure allows
- Oracle provides output in several formats. PDF generally most reliable.
- Do not use the initial browser window (that started AQS) for any other purpose. If not blank gray, reports will not run properly.
- Email vs online delivery



Standard Reports: Criteria Set

Standard Report Criteria Selection (National Air Data Group)

Criteria Set | Data Selection | Sort Order | Report Options | Retrieve Reports

Criteria Set [] Desc []

Owner [CHRIS] [CHAPMAN] Type [PRIVATE]

Report Code [] Report Name []

Run Online

Send via Email

Step 1:
Pick Your Report

Generate Report

Overview of “and/or” in selections

Standard Report Criteria Selection (National Air Data Group) AMP350

Criteria Set | **Data Selection** | Sort Order | Report Options | Retrieve Reports

Monitor / Geographic Criteria

| State Code | County Code | Site Id | Parameter Code | POC | City Code | AGCR Code | UAR Code | CBSA Code | CSA Code | EPA Region Code |
|------------|-------------|---------|----------------|-----|-----------|-----------|----------|-----------|----------|-----------------|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Protocol Criteria

| Pollutant Type | Parameter Code | Method Code | Duration Code |
|----------------|----------------|-------------|---------------|
| CRITERIA | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Date Criteria

| Start Date | End Date |
|------------|------------|
| YYYY MM DD | YYYY MM DD |
| | |
| | |

Screening Group

Monitor Network

| |
|--|
| |
| |
| |

Monitor Type

| |
|--|
| |
| |
| |

Ge

- **AND within a row**
 - State and county AND site AND parameter AND method AND duration...
- **OR between rows in block**
 - State/County OR State/County or...
- **AND between blocks**
 - State AND Pollutant AND date...



Example 1: and/or in Selections

Standard Report Criteria Selection (National Air Data Group) AMP350

Criteria Set | Data Selection | Sort Order | Report Options | Retrieve Reports

Monitor / Geographic Criteria

| State Code | County Code | Site Id | Parameter Code | POC | City Code | AQCR Code | UAR Code | CBSA Code | CSA Code | EPA Region Code |
|------------|-------------|---------|----------------|-----|-----------|-----------|----------|-----------|----------|-----------------|
| 19 | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Protocol Criteria

| Pollutant Type | Parameter Code | Method Code | Duration Code |
|----------------|----------------|-------------|---------------|
| CRITERIA | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Date Criteria

Start Date: YYYY MM DD: 1998 01 01

End Date: YYYY MM DD: 1998 01 31

Screening Group

Agency Role

PQAO

Agency

1080 University Hygienic Laboratory

Monitor Network

Monitor Type

Generate Report

- All monitors in Iowa reported by University Hygienic Laboratory during January '98
- State 19 AND reporting agency 1080 AND all pollutants AND (>19980101 AND <19980131)



Example 2: and/or in Selections (cont.)

Standard Report Criteria Selection (National Air Data Group) AMP350

Criteria Set | Data Selection | Sort Order | Report Options | Retrieve Reports

Monitor / Geographic Criteria

| State Code | County Code | Site Id | Parameter Code | POC | City Code | AQCR Code | UAR Code | CBSA Code | CSA Code | EPA Region Code |
|------------|-------------|---------|----------------|-----|-----------|-----------|----------|-----------|----------|-----------------|
| 36 | | | | | | | | | | 01 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Protocol Criteria

| Pollutant Type | Parameter Code | Method Code | Duration Code |
|----------------|----------------|-------------|---------------|
| CRITERIA | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Date Criteria

Start Date: YYYY MM DD: 1998 01 01

End Date: YYYY MM DD: 1998 01 31

Screening Group

Agency Role: PQA0

Monitor Network

Monitor Type

- All criteria monitors in New York or New England during January '98
- (State 36 OR region 01) AND (only criteria pollutants) AND (>19980101 AND <19980131)



Example 3: and/or in Selections (cont.)

Standard Report Criteria Selection (National Air Data Group) AMP350

Criteria Set | Data Selection | Sort Order | Report Options | Retrieve Reports

Monitor / Geographic Criteria

| State Code | County Code | Site Id | Parameter Code | POC | City Code | AQCR Code | UAR Code | CBSA Code | CSA Code | EPA Region Code |
|------------|-------------|---------|----------------|-----|-----------|-----------|----------|-----------|----------|-----------------|
| 36 | | | | | | | | | | 01 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Protocol Criteria

| Pollutant Type | Parameter Code | Method Code | Duration Code |
|----------------|----------------|-------------|---------------|
| CRITERIA | 44201 | | |
| CRITERIA | 42401 | | |
| | | | |
| | | | |

Date Criteria

| Start Date | End Date |
|------------|------------|
| YYYY MM DD | YYYY MM DD |
| 1998 01 01 | 1998 01 31 |
| | |

Screening Group

Monitor Network

| Monitor Network | M |
|-----------------|---|
| | |
| | |
| | |

- Ozone or sulfur dioxide monitors in New York and Region 1 during January '98
- (State 36 AND region 01) AND (44201 OR 42401) AND (>19980101 AND <19980131)
- This is a Null dataset, "No Data found"



Standard Reports: Sort Order

Standard Report Criteria Selection (National Air Data Group) AMP350

Criteria Set | Data Selection | **Sort Order** | Report Options | Retrieve Reports

Sort Order

| Order | Column Name | Allowed Range | |
|-------|----------------|---------------|----|
| | | Lo | Hi |
| 1 | STATE_CODE | 1 | 5 |
| 2 | COUNTY_CODE | 1 | 5 |
| 3 | SITE_ID | 1 | 5 |
| 4 | PARAMETER_CODE | 1 | 5 |
| 5 | POC | 1 | 5 |
| | | | |

↑ Move highlighted column up

↓ Move highlighted column down

Generate Report Restore Report Defaults



Report options to consider

- Applicable standard
 - Depends on the pollutant(s) you choose
- Exceptional events – on summary reports, show summary data with EDT ID
 - 0
 - 0 – No data has been flagged
 - OR
 - 1, 2, and 5
 - 1 – The summary excludes all flagged data
 - 2 – The summary does not exclude any data
 - 5 – The summary excludes regionally concurred flagged data
 - The Design Value reports (AMP480) only use 1,2 and 5



Standard Reports: Report Options

Standard Report Criteria Selection (National Air Data Group) AMP480

Criteria Set | Data Selection | Sort Order | Report Options | Retrieve Reports

| | |
|----------------------------|--------------------------------|
| SINGLE EVENT PROCESSING | EXCLUDE REGIONALLY CONCURRED E |
| WORKFILE DELIMITER | , |
| USER SITE METADATA | STREET ADDRESS |
| MERGE PDF FILES | YES |
| QUARTERLY DATA IN WORKFILE | NO |
| | |
| | |
| | |

Option Values

Find %

| |
|-------------------------------------|
| Option_Value |
| INCLUDE EVENTS |
| EXCLUDE EVENTS |
| EXCLUDE REGIONALLY CONCURRED EVENTS |

Find OK Cancel

Applicable Standards Information

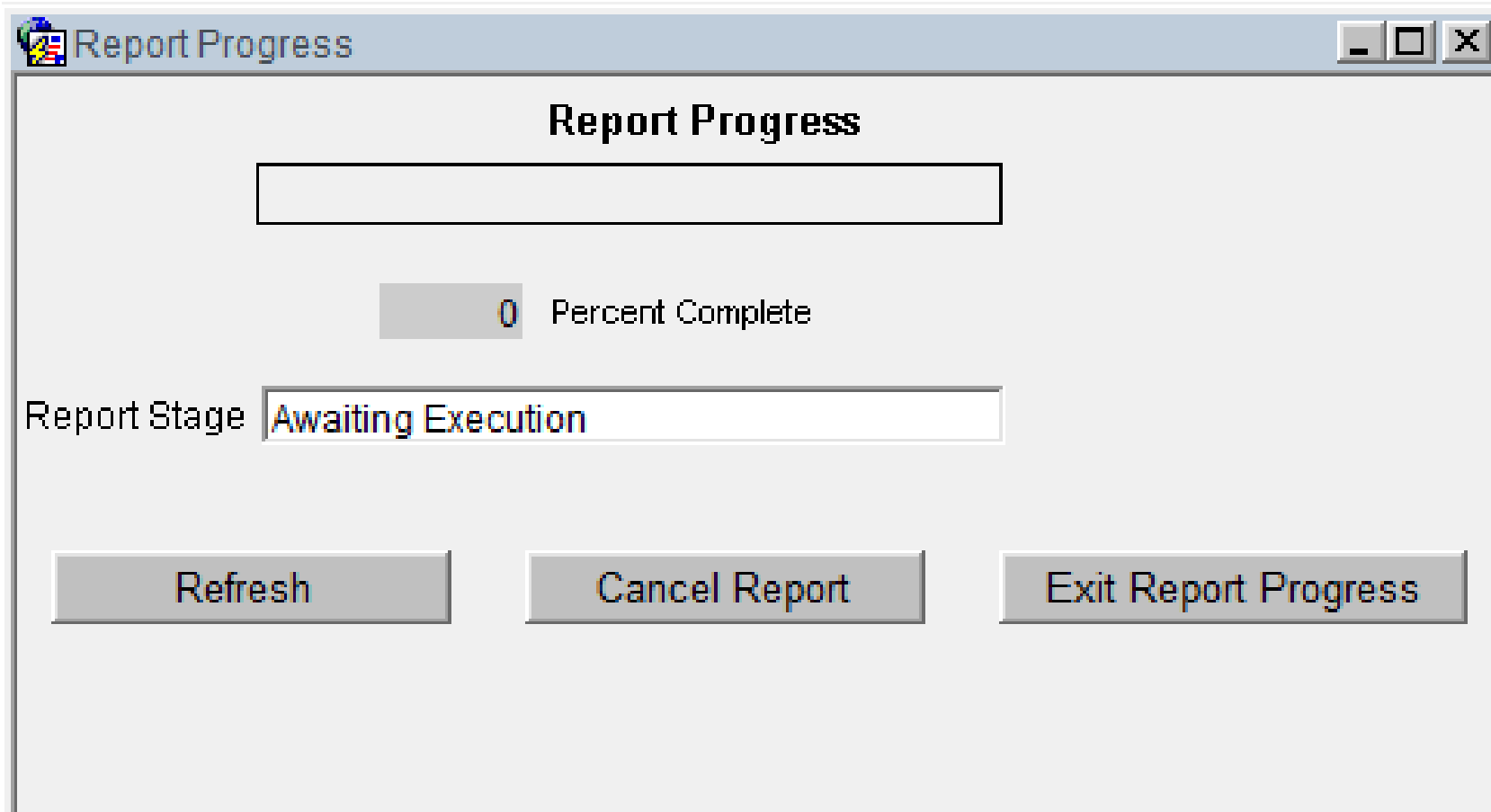
| |
|-------------------|
| Lead 3-Month 2009 |
| Ozone 8-Hour 2008 |
| PM10 24-hour 2006 |
| SO2 1-hour 2010 |
| NO2 1-hour |
| PM25 24-hour 2013 |
| PM25 Annual 2013 |

Generate Report

Defaults are shown; Where applicable, the drop



Standard Reports: Progress Popup



Standard Reports: Retrieve Reports

Standard Report Criteria Selection (Read Only)

Criteria Set | Data Selection | Sort Order | Report Options | Retrieve Reports

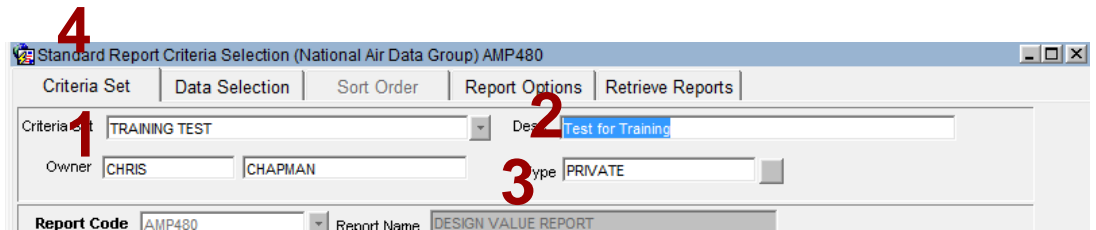
| RR ID | User Id | Report Code | Request Type | Request Date | Report Stage | % Complete |
|---------|---------|-------------|--------------|---------------------|------------------------|------------|
| 1212352 | CIX | LOAD | REPORT | 08/05/2014 02:44 PM | | |
| 1212351 | CIX | AMP504 | BATCH | 08/05/2014 02:14 PM | Completed | 100 |
| 1212350 | CIX | AMP501 | BATCH | 08/05/2014 02:13 PM | Completed | 100 |
| 1212349 | CIX | AMP501 | REPORT | 08/05/2014 02:12 PM | Completed | 100 |
| 1212348 | CIX | AMP504 | REPORT | 08/05/2014 02:11 PM | Completed | 100 |
| 1212347 | CIX | AMP251 | REPORT | 07/23/2014 10:20 AM | Completed | 100 |
| 1212346 | CIX | AMP256 | REPORT | 07/23/2014 10:16 AM | Completed | 100 |
| 1212344 | CIX | AMP256 | REPORT | 07/22/2014 02:09 PM | Failed - Call Helpdesk | 0 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Retrieve Report | Refresh Query | Cancel Report | Delete Report



Saving a Criteria Set

- Saves the Query... Not the Results of the Query
- Go to the “Criteria Set” Tab
 - 1) Enter a Name
 - 2) Enter a Description
 - 3) Mark as
 - Private” (Just for You)
 - “Public” (For Anyone)
 - 4) Save / Commit



The screenshot shows a software window titled "Standard Report Criteria Selection (National Air Data Group) AMP480". The window has several tabs: "Criteria Set", "Data Selection", "Sort Order", "Report Options", and "Retrieve Reports". The "Criteria Set" tab is active. It contains the following fields:

- Criteria Set:** A dropdown menu with "TRAINING TEST" selected. A red number "1" is next to it.
- Description:** A text box containing "Test for Training". A red number "2" is next to it.
- Owner:** Two text boxes containing "CHRIS" and "CHAPMAN".
- Type:** A dropdown menu with "PRIVATE" selected. A red number "3" is next to it.
- Report Code:** A dropdown menu with "AMP480" selected.
- Report Name:** A text box containing "DESIGN VALUE REPORT".

A red number "4" is positioned above the "Criteria Set" dropdown menu.

Put it into practice - Exercise 6 (run a standard report (was Exercise 1.2))



PM2.5 - Local Conditions (88101)

Wisconsin

Micrograms/cubic meter (LC) (105)

| 24-HOUR | | | | | | | | | | 1ST | 2ND | 3RD | 4TH | 98TH | WTD | | |
|-------------|-------------|------|---------------|---------|--|------|------|------|------|------|------|------|---------------------|---------------|------|-----|--|
| SITE ID | P O C | PQAO | CITY | COUNTY | ADDRESS | YEAR | METH | #OBS | MAX | MAX | MAX | MAX | PERCENTILE VALUE | ARITH MEAN | CERT | EDT | |
| 55-003-0010 | 1 | 1175 | Not in a city | Ashland | BAD RIVER TRIBAL SCHOOL - ODANAH | 2010 | 117 | 60 | 17.9 | 17.3 | 15.6 | 14.0 | 17.3 | 5.28 | | 0 | |
| 55-003-0010 | 2 | 1175 | Not in a city | Ashland | BAD RIVER TRIBAL SCHOOL - ODANAH | 2010 | 117 | 60 | 18.1 | 17.5 | 15.6 | 13.7 | 17.5 | 5.34 | | 0 | |
| 55-009-0005 | 1 | 1175 | Green Bay | Brown | EAST HIGH, 1415 E. WALNUT | 2010 | 118 | 336 | 45.5 | 42.3 | 40.5 | 38.9 | 35.1 | 9.97 | | 0 | |

Note: The * indicates that the mean does not satisfy summary criteria.

98th percentile completeness for PM2.5 24-hour (2006) standard. Summary criteria met when all 4 site-level quarterly summaries are present, and one of the following is true: quarters are 75% complete, or Annual 98th percentile value greater than the 24-hour standard (35 ug/m3). "Wtd Arith Mean" for PM2.5 24-annual (2006) standard is based on quarterly means. Summary criteria are met when the percent of observations (quarterly) are >= 75%. (See AQS Data Dictionary section 4.281 and 40 CFR Part 50.13.).

National Ambient Air Quality Standards

| Pollutant | Primary Standards | | Secondary Standards | |
|---|------------------------|---|---------------------|----------------|
| | Level | Averaging Time | Level | Averaging Time |
| Particulate Matter (PM _{2.5}) | 15.0 µg/m ³ | Annual ⁽⁶⁾ (Arithmetic Average) | Same as Primary | |
| | 35 µg/m ³ | 24-hour ⁽⁷⁾ | Same as Primary | |

⁽⁶⁾ To attain this standard, the 3-year average of the weighted annual mean PM2.5 concentrations from single or multiple community-oriented monitors must not exceed 15.0 µg/m³.

⁽⁷⁾ To attain this standard, the 3-year average of the 98th percentile of 24-hour concentrations at each population-oriented monitor within an area must not exceed 35 µg/m³ (effective December 17, 2006).



Quicklook

QUICK LOOK REPORT (AMP450)

Aug. 29, 2011

Nitrogen dioxide (NO2) (42602)

Wisconsin

Parts per billion (008)

| SITE ID | P O C | PQAO | CITY | COUNTY | ADDRESS | YEAR | METH | COMP QTRS | 1ST | 2ND | 98TH PCTL | OBS | PCT COMP | ARITH MEAN | CERT | EDT |
|-------------|-------------|------|------------|-----------|---|------|------|--------------|-------------|-------------|--------------|------|-------------|---------------|------|-----|
| | | | | | | | | | MAX 1-HR | MAX 1-HR | | | | | | |
| 55-041-0007 | 1 | 1175 | Crandon | Forest | FIRE TOWER RD, POTAWATOMI SITE | 2010 | 082 | 2 | 15.0 | 9.0 | 9.0 | 4364 | 50 | 1.20* | | 0 |
| 55-071-0007 | 1 | 1175 | Two Rivers | Manitowoc | MANITOWOC/WOODL ND DUNES, 2315 GOODWIN RD | 2010 | 075 | 0 | 11.0 | 10.0 | 10.0 | 2016 | 23 | 2.56* | | 0 |
| 55-079-0026 | 1 | 1175 | Milwaukee | Milwaukee | DNR SER HDQRTS, 2300 N M. L. KING JR DR | 2010 | 074 | 4 | 112.0 | 92.0 | 53.0 | 8608 | 98 | 12.90 | | 0 |

Note: The * indicates that the mean does not satisfy summary criteria.

“Comp qtrs” are complete quarters. The number of quarterly summaries, with corresponding pollutant standard and exceptional data type, where the summary criterion is met. For NO2, to have a complete quarter, the number of valid days in a quarter compared to number of total days in a quarter must be >= 75%.

“Arith Mean” is arithmetic mean. For NO2, this is the average of the hourly values for the year. This is defined on pages 4-20 and 4-21 of the AQS Data Dictionary.

The "Summary Criteria" column indicates whether or not the annual summary is complete as required by 40 CFR Part 50. i.e. If the mean is valid by these rules, it is set to 'Y', and if it is not, it is set to 'N'. For the NO2 annual standard, 75% of the hours for the year must have values. (See AQS Data Dictionary section 4.278 and 40 CFR Part 50.11.)

National Ambient Air Quality Standards

| Pollutant | Primary Standards | | Secondary Standards | |
|----------------------------------|----------------------------|--------------------------------|---------------------|----------------|
| | Level | Averaging Time | Level | Averaging Time |
| Nitrogen Dioxide | 53 ppb (3) | Annual (Arithmetic Average) | Same as Primary | |
| | 100 ppb | 1-hour (4) | None | |

(4) To attain this standard, the 3-year average of the 98th percentile of the daily maximum 1-hour average at each monitor within an area must not exceed 100 ppb (effective January 22, 2010).



Quicklook

Ozone (44201)

Wisconsin

Parts per million (007)

1-HOUR

| SITE ID | P O C | PQAO | CITY | COUNTY | ADDRESS | YEAR | METH | VALID DAYS | NUM DAYS | 1ST | 2ND | 3RD | 4TH | DAY | EST | MISS | CERT |
|-------------|-------------|------|---------------------|------------|--|------|------|---------------|-------------|------|------|------|------|------|-------|-------|------|
| | | | | | | | | | | MAX | MAX | MAX | MAX | MAX> | DAYS> | DAYS< | |
| | | | | | | | | | REQ | 1-HR | 1-HR | 1-HR | 1-HR | STD | STD | STD | EDT |
| 55-117-0006 | 1 | 1175 | Not in a city | Sheboygan | E12886 TOWER RD KOHLER ANDRE PARK, 1520 OLD PARK ROAD | 2010 | 087 | 182 | 184 | .100 | .099 | .096 | .093 | 0 | 0.0 | 0 | 0 |
| 55-123-0008 | 1 | 1175 | Not in a city | Vernon | WILDCAT MTN, HWY 33, ONTARIO | 2010 | 087 | 182 | 184 | .079 | .072 | .068 | .067 | 0 | 0.0 | 0 | 0 |
| 55-125-0001 | 1 | 1175 | Boulder Junction | Vilas | TROUT LAKE NURSERY, COUNTY HWY M | 2010 | 087 | 183 | 184 | .074 | .068 | .068 | .066 | 0 | 0.0 | 1 | 0 |
| 55-127-0005 | 1 | 1175 | Lake Geneva | Walworth | LAKE GENEVA NADP SITE, RR4 ELGIN CLUB RD | 2010 | 087 | 183 | 184 | .087 | .074 | .074 | .072 | 0 | 0.0 | 1 | 0 |
| 55-131-0009 | 1 | 1175 | Slinger | Washington | SLINGER, HWY 60 & SCENIC, POLK TWNSHP | 2010 | 087 | 184 | 184 | .083 | .075 | .070 | .068 | 0 | 0.0 | 0 | 0 |
| 55-133-0027 | 1 | 1175 | Waukesha | Waukesha | 1310 CLEVELAND AVE | 2010 | 087 | 184 | 184 | .082 | .079 | .073 | .071 | 0 | 0.0 | 0 | 0 |

National Ambient Air Quality Standards

| Pollutant | Primary Standards | | Secondary Standards | |
|-----------|-------------------------|-----------------------------|---------------------|----------------|
| | Level | Averaging Time | Level | Averaging Time |
| Ozone | 0.075 ppm (2008 std) | 8-hour (8) | Same as Primary | |
| | 0.08 ppm (1997 std) | 8-hour (9) | Same as Primary | |
| | 0.12 ppm | 1-hour (10) | Same as Primary | |

(8) To attain this standard, the 3-year average of the fourth-highest daily maximum 8-hour average ozone concentrations measured at each monitor within an area over each year must not exceed 0.075 ppm. (effective May 27, 2008)

(9) (a) To attain this standard, the 3-year average of the fourth-highest daily maximum 8-hour average ozone concentrations measured at each monitor within an area over each year must not exceed 0.08 ppm.

(b) The 1997 standard—and the implementation rules for that standard—will remain in place for implementation purposes as EPA undertakes rulemaking to address the transition from the 1997 ozone standard to the 2008 ozone standard.

(c) EPA is in the process of reconsidering these standards (set in March 2008).

(10) (a) EPA revoked the [1-hour ozone standard](#) in all areas, although some areas have continuing obligations under that standard ("anti-backsliding").

(b) The standard is attained when the expected number of days per calendar year with maximum hourly average concentrations above 0.12 ppm is ≤ 1 .



Maximum Values

MAXIMUM VALUES REPORT

PM10 Total 0-10um STP (81102)

State: Kansas
 Duration: 24-HR BLK AVG
 Year: 2009

Primary: 150
 Secondary: 150

Unit: Micrograms/cubic meter
 (25 C)

| Site ID | POC | County Name | City Name | Methods | 1st Max | 2nd Max | 3rd Max | 4th Max | 5th Max | Num | Num | EDT | |
|-------------|-----|-------------|-----------|---------|----------------|----------|----------|----------|----------|-----|-----|-----|--|
| | | | | | 6th Max | 7th Max | 8th Max | 9th Max | 10th Max | Obs | Exc | ID | |
| 20-173-0009 | 1 | Sedgwick | Wichita | 079 | 55 | 44 | 42 | 40 | 40 | 363 | 0 | 1 | |
| | | | | | 03/06:00 | 10/01:00 | 07/11:00 | 02/06:00 | 04/09:00 | | | | |
| | | | | | 40 | 39 | 39 | 39 | 38 | | | | |
| | | | | | 04/22:00 | 06/06:00 | 06/26:00 | 06/27:00 | 01/12:00 | | | | |
| | | | | | Maximum Values | | | | | | | | |
| 20-173-0009 | 1 | Sedgwick | Wichita | 079 | 66 | 55 | 44 | 42 | 40 | 365 | 0 | 2 | |
| | | | | | 04/08:00 | 03/06:00 | 10/01:00 | 07/11:00 | 02/06:00 | | | | |
| | | | | | 40 | 40 | 39 | 39 | 39 | | | | |
| | | | | | 04/09:00 | 04/22:00 | 06/06:00 | 06/26:00 | 06/27:00 | | | | |
| | | | | | Maximum Values | | | | | | | | |
| 20-173-0009 | 1 | Sedgwick | Wichita | 079 | 66 | 55 | 44 | 42 | 40 | 365 | 0 | 5 | |
| | | | | | 04/08:00 | 03/06:00 | 10/01:00 | 07/11:00 | 02/06:00 | | | | |
| | | | | | 40 | 40 | 39 | 39 | 39 | | | | |
| | | | | | 04/09:00 | 04/22:00 | 06/06:00 | 06/26:00 | 06/27:00 | | | | |

Multiple lines are due to multiple event types. Check your report criteria.



Design Values

- available for PM10, PM2.5, SO2, NO2, ozone

PRELIMINARY DESIGN VALUE REPORT

Pollutant: Ozone(44201)

Standard Units: Parts per million(007)

NAAQS Standard: Ozone 8-Hour 2008

Statistic: Annual 4th Maximum **Level:** .075

Design Value Year: 2010

REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

State: North Carolina

| Site ID | Poc STREET ADDRESS | 2010 | | | | 2009 | | | | 2008 | | | | 3 - Year | | |
|---------------|------------------------|------------|------------------|---------|------|------------|------------------|---------|------|------------|------------------|---------|------|------------------|--------------|----------------|
| | | Valid Days | Percent Complete | 4th Max | Cert | Valid Days | Percent Complete | 4th Max | Cert | Valid Days | Percent Complete | 4th Max | Cert | Percent Complete | Design Value | D. V. Validity |
| 37-183-0014 1 | 3801 SPRING FOREST RD. | 212 | 99 | .071 | | 201 | 94 | .068 | | 211 | 99 | .078 | Y | 97 | .072 | Y |
| 37-183-0016 1 | 201 NORTH BROAD STREET | 209 | 98 | .073 | | 201 | 94 | .069 | | 208 | 97 | .078 | Y | 96 | .073 | Y |

Pollutant: Ozone(44201)

Standard Units: Parts per million(007)

NAAQS Standard: Ozone 8-Hour 2008

Statistic: Annual 4th Maximum **Level:** .075

Design Value Year: 2009

REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

State: North Carolina

| Site ID | Poc STREET ADDRESS | 2009 | | | | 2008 | | | | 2007 | | | | 3 - Year | | |
|---------------|------------------------|------------|------------------|---------|------|------------|------------------|---------|------|------------|------------------|---------|------|------------------|--------------|----------------|
| | | Valid Days | Percent Complete | 4th Max | Cert | Valid Days | Percent Complete | 4th Max | Cert | Valid Days | Percent Complete | 4th Max | Cert | Percent Complete | Design Value | D. V. Validity |
| 37-183-0014 1 | 3801 SPRING FOREST RD. | 201 | 94 | .068 | | 211 | 99 | .078 | Y | 204 | 95 | .084 | Y | 96 | .076 | Y |
| 37-183-0016 1 | 201 NORTH BROAD STREET | 201 | 94 | .069 | | 208 | 97 | .078 | Y | 214 | 100 | .080 | Y | 97 | .075 | Y |

Each design value is for a 3-year period.



Help



Where to Find AQS Help

- On-Line Help from the Application
- AQS Documentation
- On the Phone
- Internet Training
- AQS Regional Contacts
- Other Users



From the Application

- “Help” From the Menu
 - Topics
 - Short-Cut Keys
 - Display Error
- Field-Level Help

Help

Help

Keys

Ctrl+F1

Display Error

Shift+F1

About

| | | |
|------------------------------|---|--|
| Horizontal Method | 012 | GPS CARRIER PHASE STATIC RELATIVE POSITION |
| Horizontal Accuracy (Meters) | 3.04 | Source Map Scale (Non-GPS) 24000 |
| Vertical Measure (Meters) | Description of the accuracy as a range of the latitude/longitude reported in meters. Only the least accurate measurement needs to be recorded whether is latitude or longitude. | |
| Vertical Method | 000 | UNKNOWN |
| Street Address | HEALTH DEPT, 300 E MAIN STREET | |

Enter a valid Dominant Source code that identifies the primary source of the pollutant being monitored.

Record: 1/?

... List of Valu...

<OSC>



Help within AQS

Data Completeness Workfile

When user requests a work file, two separate files will be produced:

- Summary level information on a per EPA Region, State, Reporting Organization, Parameter, and Monitor Type basis.
- Monitor level information, which contains month-by-month counts and percentages of samples collected by the monitor.

| Field | Summary Workfile Format |
|-------|-----------------------------|
| 1 | EPA REGION |
| 2 | STATE |
| 3 | REPORTING ORGANIZATION NAME |
| 4 | MONITOR TYPE |
| 5 | PARAMETER NAME |
| 6 | NUMBER MONITORS EVALUATED |
| 7 | AVERAGE COMPLETENESS |
| 8 | NUMBER NOT REPORTING |

| Field | Monitor Workfile Format |
|-------|-------------------------|
| 1 | MONITOR TYPE |
| 2 | SITE_ID (ST-CNT-SITE) |
| 3 | PARAMETER CODE |
| 4 | POC |
| 5 | REGION |

User Support



EPA Helpdesk

- 1-866-411-4372
- epacallcenter@epa.gov
- 2 “Levels” of Support
 - Level 1: Reset Passwords
 - Level 2: AQS Specific Issues

CDX Helpline

- 1-888-890-1995
- nodehelpdesk@epacdx.net

AQS Documentation

- Manuals and Guides:

<https://www.epa.gov/aqs/aqs-manuals-and-guides>

- AQS Data Coding Manual
- AQS Input Transaction Formats

- AQS Fundamentals and AQS User Guide:

<https://www.epa.gov/aqs/aqs-users-guide-0>

- AQS Data Dictionary:

<https://www.epa.gov/aqs/aqs-data-dictionary>

- Memos:

<https://www.epa.gov/aqs/aqs-data-dictionary>

(under AQS Information)



Teleconference Training From NADG

- New User Orientation – Pamela McIntyre/ Donnie Brown
 - Monthly on the 3rd Wednesday
 - Walk-Through Basic Functions
- Tribal Q&A – Pamela McIntyre/ Donnie Brown
 - Bi-Monthly on the 2nd Wednesday



Additional Training Resource

- All AQS Training is archived at:
<https://www.epa.gov/aqs/aqs-training>



THE END



AQS Regional Contacts

- Mary Jane Cuzzupe
 - (617) 918-8383
- Henry Feingersh (II)
 - (212) 637-3382
- Pauline DeVose (III)
 - (215) 814-2186
- Darren Palmer (IV)
 - (404) 562-9052
- Jesse McGrath (V)
 - (312) 886-1532
- Trisha Curran(VI)
 - (214) 665-8245
- James Regehr (VII)
 - (913) 551-7167
- Joe Delwiche (VIII)
 - (303) 312-6448
- Fletcher Clover (IX)
 - (415) 972-3991
- Jan Noel (X)
 - (206) 553-1691

