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



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 Rep	ort Criteria Selection	National Air Data Gro	up)		_ 🗆 🗙
Criteria Set	Data Selection	Sort Order	Report Options	Retrieve Reports	
Criteria Set			- Desc]
Owner CHR	IS CHAPMA	AN	Type PRIV	'ATE	
Report Code	[Report Name	●Ste	p 1:	
	Run Online Send via Email		•Pick You	<mark>ır Report</mark>	
		Ge	nerate Report		



Overview of "and/or" in selections





Example 1: and/or in Selections

15

🕵 Standard Report	t Criteria Selec	ction (Nation	al Air Data Gr	oup) AM	P350						
Criteria Set	Data Selec	tion S	ort Order	Repo	ort Options	Retrieve	Reports				
			Мо	nitor / G	Geographic	: Criteria					
	County Si Code Id	ite Param Code		City Code	AQCR Code	UAR Code	CBSA Code	CSA Code	EPA Region Code		
	*	-			-			v			
Pollutant Type CRITERIA		Parameter Code	Method Cod		Duration Code		Start Date YYYY 1998	MM DD 01 01 Screening	End Date YYYY MM DD 1998 01 31 Group		
						Agency	Role P	QAQ			
Monitor Network Monitor Type Agency Agency All monitors in lowa reported by University Hygienic Laboratory University Hygienic Laboratory											
							•	State 19	9 AND repoi	rting agency	
Standar	d Report	ts						(>1998	0101 AND <	<19980131)

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

🙀 Standard Report Criteria Selection (National Air Data Group) AMP350 Retrieve Reports Criteria Set Data Selection Sort Order Report Options Monitor / Geographic Criteria Site State County Parameter City AQCR UAR CBSA CSA EPA Region Code Code ld Code POC. Code Code Code Code Code Code 36 01 • Date Criteria **Protocol Criteria** Start Date End Date Parameter YYYY MM DD YYYY MM DD Pollutant Type Method Code Code Duration Code 1998 01 01 1998 01 31 CRITERIA ۰ Screening Group -

Monitor Type

G

-

-

Agency Role PQAO

- 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)



- 0 ×

-

Monitor Network

•

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



17



Standard Reports: Sort Order

🙀 Standard Report	Criteria Selection (N	lational Air Data Gro	oup) AMP350		
Criteria Set	Data Selection	Sort Order	Report Options	Retrieve Reports	
	S	ort Order	Allow Range	ed e	
Orde ▲ 1 2 3 4 5 ▼	STATE_CODE COUNTY_CODE SITE_ID PARAMETER_CODE POC			Hi 5 5 5 5 5 5 5 5 5 5 5 5 5	
	Gen	erate Report	Restore	Report Defaults	



Standard Reports

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 Repo	rt Criteria Selection (N	National Air Data Gro	oup) AMP480			
Criteria Set	Data Selection	Sort Order	Report Options	Retrieve Reports	Ontion Values	XI
					5 Jac	
SINGLE EVENT	FPROCESSING	EXCLUDE REGIONA	LLY CONCURRED E		Find %	
WORKFILE DE	LIMITER	,			INCLUDE EVENTS EXCLUDE EVENTS	
USER SITE ME	TADATA	STREET ADDRESS			EXCLUDE REGIONALLY CONCUR	RRED EVENTS
MERGE PDF FI	LES	YES			X	
QUARTERLYD	ATA IN WORKFILE	NO				
		1				
					4	
_		1		-	Eind	QK Cancel
			Lead 3-Month 2 Ozone 8-Hour 2	2009		Y Y
			PM10 24-hour 2	2006		•
			SO2 1-hour 201	10		
			PM25 24-hour 2	2013		Defaulte ar
			PM25 Annual 2	013		Defaults and
		Genera	ate Report			shown;
						Where
						applicable,
20 S	tandard Repo	rts				the drop

Standard Reports: Progress Popup







Standard Reports: Retrieve Reports

					Detrieur	Duranta	
interia Set	Data Selecti	ion Sort	Order Re	port Options	Retrieve	Reports	
RR ID User	rld Re	eport Code	Request Type	Request Date		Report Stage	% Complet
1212352	(L	OAD	REPORT	08/05/2014 0	2:44 PM		
1212351 CIX	(MP504	BATCH	08/05/2014 0	2:14 PM	Completed	100
1212350 CIX	(MP501	BATCH	08/05/2014 0	2:13 PM	Completed	100
1212349 CIX	(A	MP501	REPORT	08/05/2014 0	2:12 PM	Completed	100
1212348 CIX	(A	MP504	REPORT	08/05/2014 0	2:11 PM	Completed	100
1212347 CIX	(MP251	REPORT	07/23/2014 1	0:20 AM	Completed	100
1212346 CIX	(A	MP256	REPORT	07/23/2014 1	0:16 AM	Completed	100
1212344 CIX	م (A	MP256	REPORT	07/22/2014 0	2:09 PM	Failed - Call Helpdesk	0
 -							
	Detries	In Depart	Defreeh Oue	0	neel Deper	t 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

. 4											
🕼 Standard Report Criteria Selection (National Air Data Group) AMP480											
Criteria Set	Data Selection Sort Or	der Report Options Retrieve Reports									
	IG TEST	Des Test for Training									
Owner CHRIS	CHAPMAN										
Report Code A	IP480 Report N	TESIGN VALUE REPORT									



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



Quicklook

QUICK LOOK REPORT (AMP450)

Aug. 29, 2011

PM2.5 - Local Conditions (88101) Wisconsin Micrograms/cubic meter (LC) (105) 24-HOUR 98TH WTD Р 0 1ST 2ND 3RD PERCENTILE ARITH 4 THSITE ID C PQAO CITY COUNTY ADDRESS METH #OBS MAX MAX MAX MAX VALUE MEAN CERT EDT YEAR 55-003-0010 1 1175 Not in a city Ashland BAD RIVER 2010 117 60 17.9 17.3 15.6 14.0 17.3 5.28 0 TRIBAL SCHOOL – ODANAH 55-003-0010 2 1175 Not in a city Ashland 17.5 BAD RIVER 2010 117 60 18.1 15.6 13.7 17.5 5.34 0 TRIBAL SCHOOL – ODANAH 1 1175 Green Bay 55-009-0005 2010 118 336 45.5 42.3 40.5 38.9 35.1 9.97 0 Brown EAST HIGH. 1415 E. WALNUT 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

	Primar	y Standards	Secondary Standards					
Pollutant	Level	Averaging Time	Level	Averaging Time				
<u>Particulate</u> <u>Matter</u> (PM _{2.5})	15.0 µg/m ³	Annual <u>(6)</u> (Arithmetic Average)	Same a	s 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 $35 \ \mu g/m^3$ (effective December 17, 2006).



Standard Reports

25

Ouicklook

QUICK LOOK REPORT (AMP450)

Aug. 29, 2011

Nitrogen	dioxid	ie (NO2)	(42602)	42602) Wisconsin						Parts per billion (00)						(008)	
SITE ID		P O C PQAC) CITY	COUNTY	ADDRESS	YEAR	METH	COMP QTRS	1ST MAX 1-HR	2ND MAX 1-HR	98TH PCTL	OBS	PCT COMP	ARITH MEAN	CERT	EDT	
55-041-0	007	1 1175	Crandon	Forest	FIRE TOWER RD, POTAWATOMI SITE	2010	082	2	15.0	9.0	9.0	4364	50	1.20*		0	
55-071-0	007	1 1175	Two Rivers	Manitowoc	MANITOWOC/WOODI ND DUNES, 2315 GOODWIN RD	2010	075	0	11.0	10.0	10.0	2016	23	2.56*		0	
55-079-0	026	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 $\geq 75\%$.

"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

	Prim	ary Standards	Secondary Standards					
Pollutant	Level	Averaging Time	Level	Averaging Time				
<u>Nitrogen</u> Dioxide	53 ppb (<u>3)</u>	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																
	Р						VALID	NUM	1ST	2ND	3RD	4TH	DAY	EST	MISS	
	0						DAYS	DAYS	MAX	MAX	MAX	MAX	MAX>	DAYS>	DAYS<	
SITE ID	C PQAC	CITY C	COUNTY	ADDRESS	YEAR	METH	MEAS	REQ	1-HR	1-HR	1-HR	1-HR	STD	STD	STD	CERT EDT
				E12886 TOWER RD)											
55-117-0006	1 1175	Not in a city	Sheboygan	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, ONTARIC	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	2010	087	184	184	.082	.079	.073	.071	0	0.0	0	0

National Ambient Air Quality Standards

	Prin	nary Standards	Secondary Standards				
Pollutant	Level	Averaging Time	Level	Averaging Time			
<u>Ozone</u>	0.075 ppm (2008 std)	8-hour <u>(8)</u>	Same a	as Primary			
	0.08 ppm (1997 std)	8-hour ⁽⁹⁾	Same a	as Primary			
	0.12 ppm	1-hour (10)	Same a	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 <u>1-hour ozone standard</u> 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: Duration: Year:	Kansas 24-HR BLK 2009	AVG					Maximum Valu] Sec	Primary: 150 condary: 150 Unit: Micr (25	ograms/c	ubic met	er
Site ID 20-173-0009	POC 1	County Name City Name Sedgwick Wichita	079	Methods	1st Max 6th Max 55 03/06:00	2nd Max 7th Max 44 10/01:00	3rd Max 8th Max 42 07/11:00	4th Max 9th Max 40 02/06:00	5th Max 10th Max 40 04/09:00	Num Obs 363	Num Exc O	EDT ID 1
					40 04/22:00	39 06/06:00	39 06/26:00 Maximum Valu	39 06/27:00 es	38 01/12:00			
Site ID 20-173-0009	POC 1	County Name City Name Sedgwick Wichita	079	Methods	1st Max 6th Max 66 04/08:00	2nd Max 7th Max 55 03/06:00	3rd Max 8th Max 44 10/01:00	4th Max 9th Max 42 07/11:00	5th Max 10th Max 40 02/06:00	Num Obs 365	Num Exc O	EDT ID 2
					40 04/09:00	40 04/22:00	39 06/06:00	39 06/26:00	39 06/27:00			
Site ID 20-173-0009	POC 1	County Name City Name Sedgwick Wichita	079	Methods	1st Max 66 04/08:00	2nd Max 7th Max 55 03/06:00	Maximum Valu 3rd Max 8th Max 44 10/01:00 39	4th Max 9th Max 42 07/11:00	5th Max 10th Max 40 02/06:00	Num Obs 365	Num Exc O	EDT ID 5
					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.



Standard Reports

28

Design Values – available for PM10, PM2.5, SO2, NO2, ozone

PRELIMINARY DESIGN VALUE REPORT

<pre>Pollutant: Ozone(44201) Standard Units: Parts per million(007)</pre>				Design Value Year: 2010											
NAAQS Standard: Ozone 8-Hour 2008				REPOR	T EXC	LUDES M	EASURE	MENTS	WITH	REGIONA	LLY (CONCURR	ED EVENT	FLAGS	
Statistic: Annual 4th Maximum	1 L	evel:.07	5		St	tate:	North	n Caro	lina						
	Valid	2010 Percent	4th		Valid	2009 Percent	4th		Valid	2008 Percent	4th	ا م ا	3 - Y Percent	ear Design	D. V.
Site ID Poc STREET ADDRESS	Days	Complete	Max	Cert	Days	Complete	Max	Cert	Days	Complete	Max	- Cert	Complete	Value	Validity
37-183-0014 1 3801 SPRING FOREST RD. 37-183-0016 1 201 NORTH BROAD STREET	212 209	99 98	.071 .073		201 201	94 94	.068 .069		211 208	99 97	.078 .078	Y Y	97 96	.072 .073	Y Y

Pollutant: Ozone(44201)

Standard Units: Parts per million(007) NAAQS Standard: Ozone 8-Hour 2008 Design Value Year: 2009

REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

Statistic: Annual 4th Max	imum I	evel:.0	75		S	tate:	North	h Caro	lina						
	Valid	2009 Percent	4th		 Valid	2008 Percent	4th		 Valid	2007 Percent	4th		3 - Y Percent	ear Design	D. V.
Site ID Poc STREET ADDRESS	Days	Complete	Max	Cert	Days	Complete	Max	Cert	Days	Complete	Max	Cert	Complete	Value	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 STREE	т 201	94	.069		208	97	.078	Y	214	100	.080	Y	97	.075	Y

Each design value is for a 3-year period.





Where to Find AQS Help

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



31

From the Application

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

UNKNOWN

	He	lp		
	He	elp		
	Ke	IYS	Ctrl+F1	
	Di	splay Error	Shift+F1	
	Ap	out		
st ac	curate	measurement needs to b	e recorded whether is	latitude or longitude.

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

... List of Valu...

GPS CARRIER PHASE STATIC RELATIVE POSITION

Description of the accuracy as a range of the __llatitude/longitude reported in meters. Only the lea

Source Map Scale (Non-GPS) 24000

<OSC>





Horizontal Method 012

Vertical Method 000

3.04

AQS Help

Street Address HEALTH DEPT, 300 E MAIN STREET

Record: 1/?

Horizontal Accuracy (Meters)

> Vertical Measure (Meters)

Help within AQS

l AQSHelp - Microsoft Internet Explorer provided by EPA - version 6									
File Edit View Favorites Tools Help									
🚱 Back 🔹 📀 🐁 😰 🏠 🔎 Search 🤺 Favorites 🤣 🔗 - 🌺 🚍 + 🛄 🏭 💽									
ddress 🕘 https://iasint.rtpnc.epa.gov/aqsweb/helpfiles/helpfile.htm 💿 🄁 Go 🛛 Links 🎽 😏 SnagIt 🖹 🖆									
Index Search			<< >>>						
Type in the keyword to find:	Data Completeness Workfile								
	When use	r requests a work file, two separate files will be produce	d:						
A	 Summary level information on a per EPA Region, State, Reporting Organization. Parameter. and Monitor Type basis. 								
Accuracy Report	∎∎ Mon	itor level information, which contains month-by-month co	ounts and percentages of samples collected by the monitor.						
Add A New Role									
Add A New Oser Admin Message of the Day	Field	Field Summary Workfile Format							
Air Quality Index Report Air Quality Index Summary Report (AMP4108) Air Quality Index Workfile format Air Quality Report All Parameters Format All Parameters Quick Look Work File Format All Roles	1	EPA REGION							
	2	STATE	_						
	3	REPORTING ORGANIZATION NAME							
	4	MONITOR TYPE							
Annual Summary Annlication Administrator	5	PARAMETER NAME							
Application Audits	6	NUMBER MONITORS EVALUATED							
B	7	AVERAGE COMPLETENESS							
Batch Batch load formats	8 NUMBER NOT REPORTING								
Browse	Browse								
CA Dump	Field	Monitor Workfile Format							
California Dump Bucket Carbon Monoxide Format	1	MONITOR TYPE							
Carbon Monoxide Work File Format CDX	2	SITE_ID (ST-CNT-SITE)							
CDX application Certification	3	PARAMETER CODE							
Comment form	4 POC								
ê 🖉			Second intranet						



User Support

EPA Helpdesk

- 1-866-411-4372
- <u>epacallcenter@epa.gov</u>
- 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

