

AQS

(Air Quality System)

CARB PQAQ Training Module III

July 29, 2015

Fletcher Clover EPA Region 9

What does this demo cover?

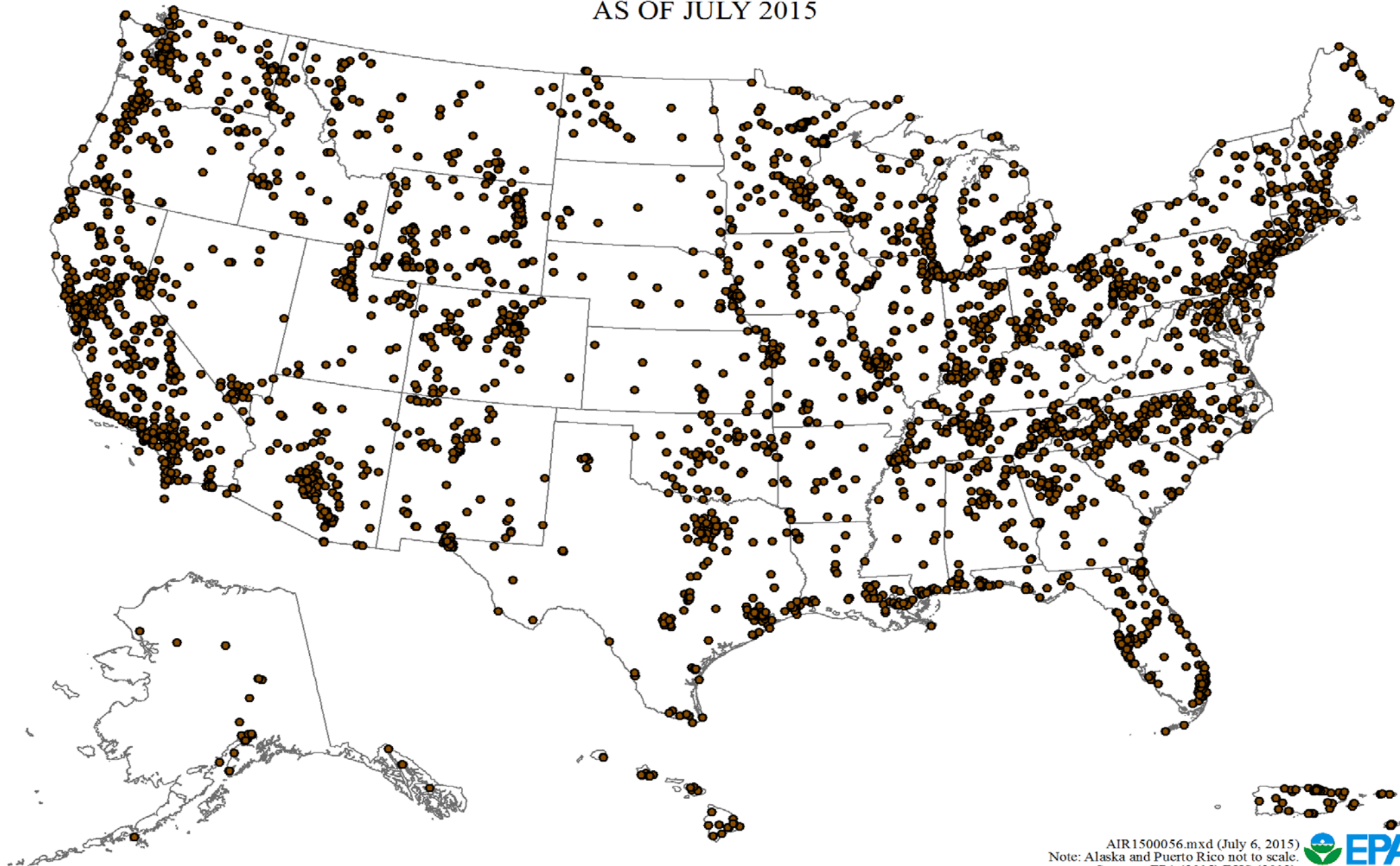
- Overview and requirements
- Annual data certification and concurrence process
- How to certify your data using AQS and the AMP600 report
- How to register for AQS
- How to access AQS
- Resources

AQS Overview and Requirements

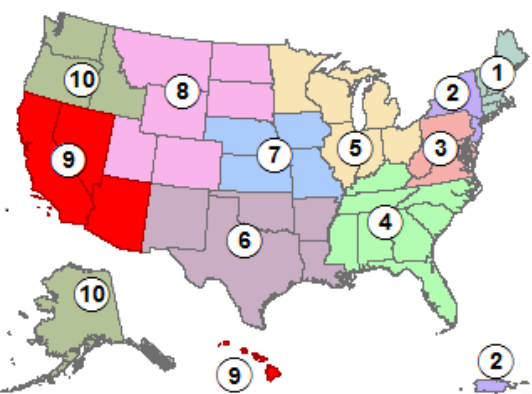
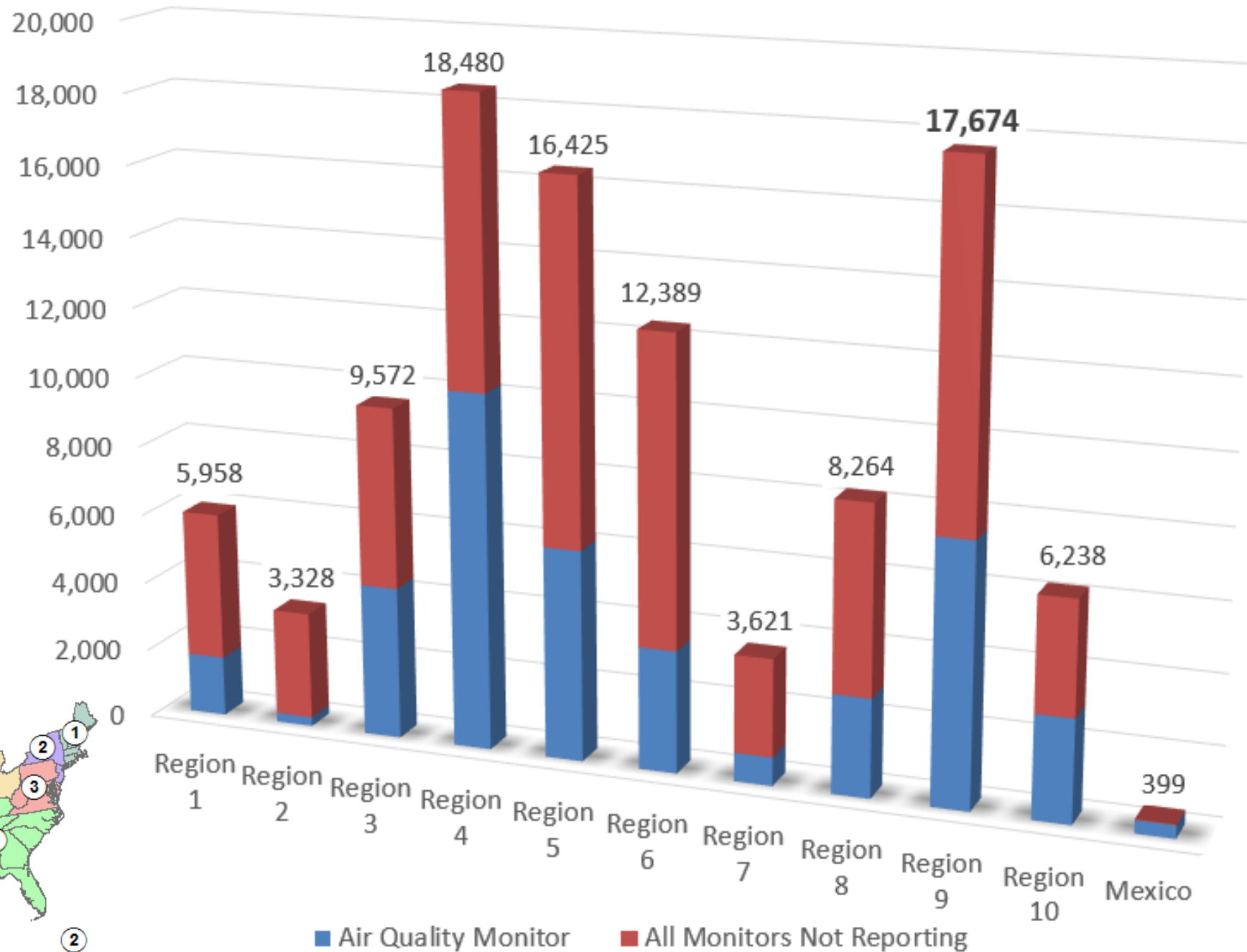
- EPA's database for regulatory actions
- Thousands of monitors, with billions of data points, from 1957 to present
- Includes the following types of data:
 - Ambient concentrations
 - Monitor/site metadata
 - QA data (precision & accuracy)

ACTIVE AQS SITES

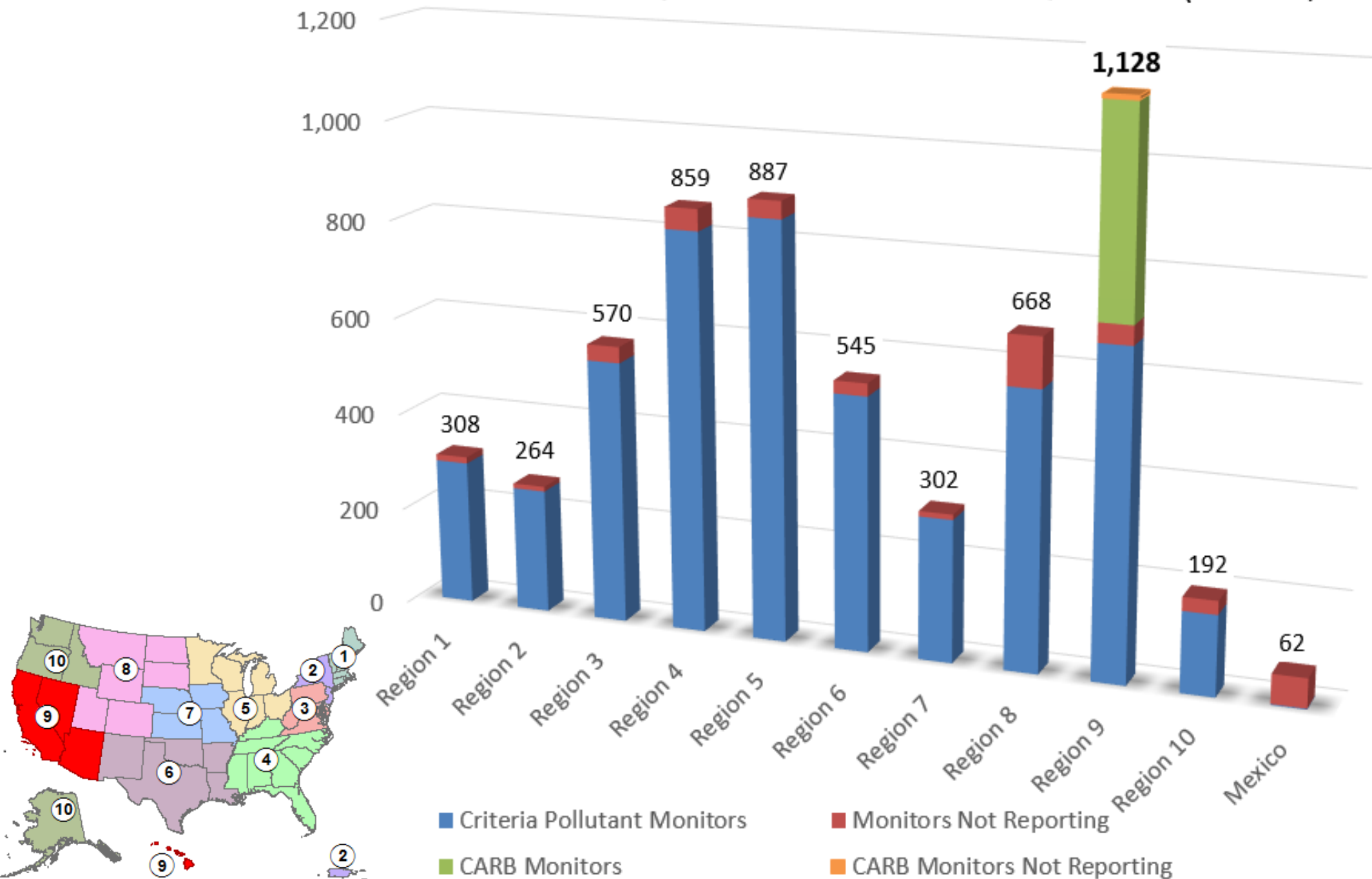
AS OF JULY 2015



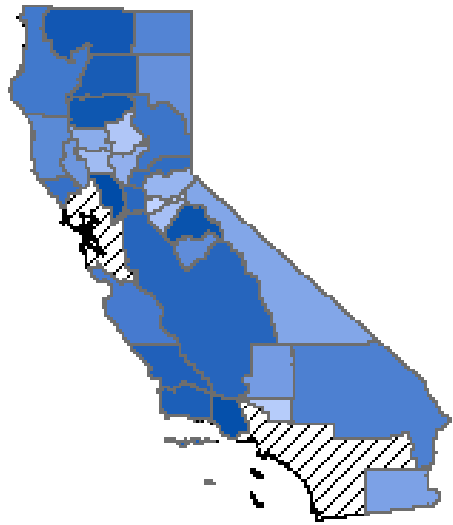
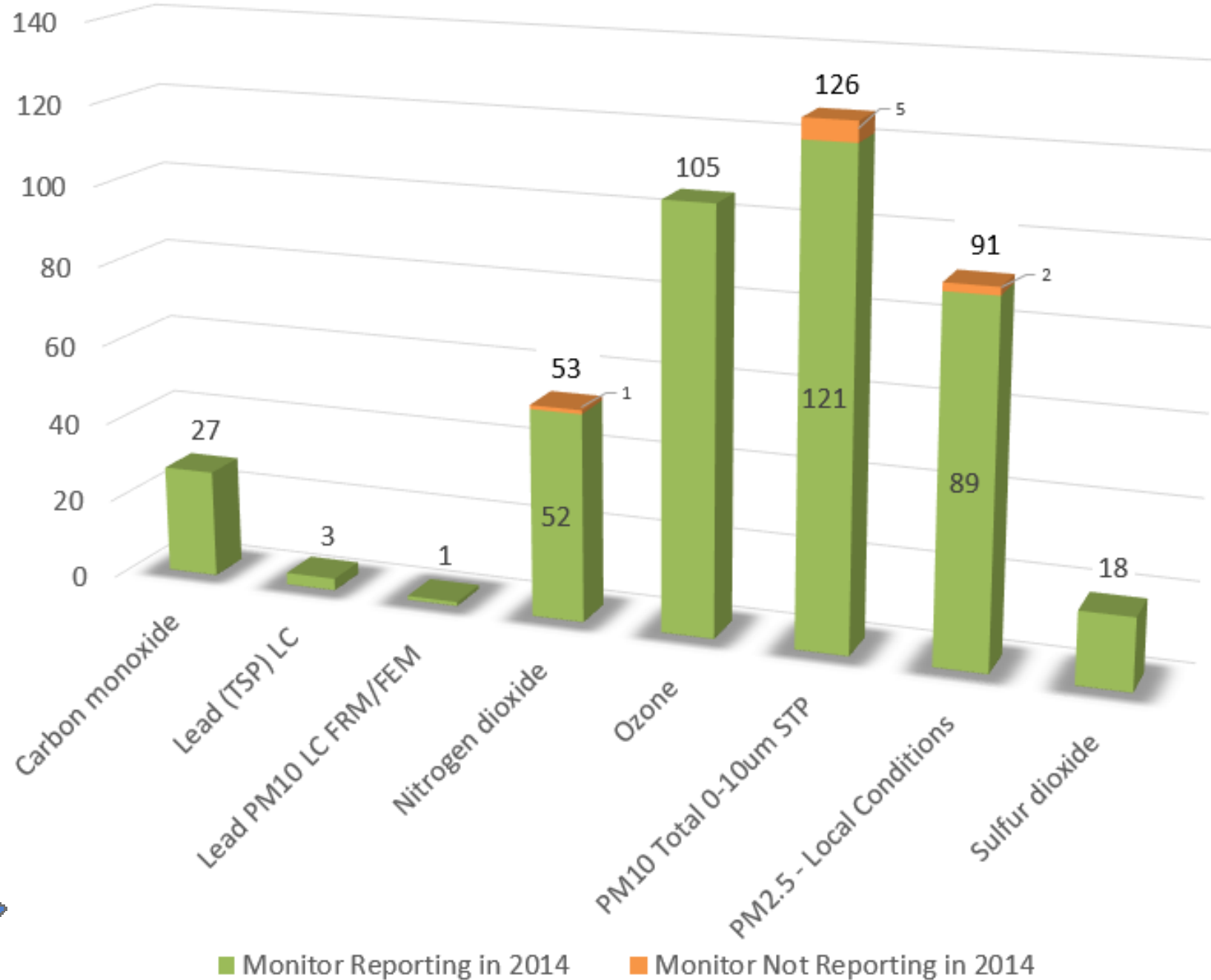
AIR QUALITY MONITORS IN AQS - 2014 (Total: 102,348)



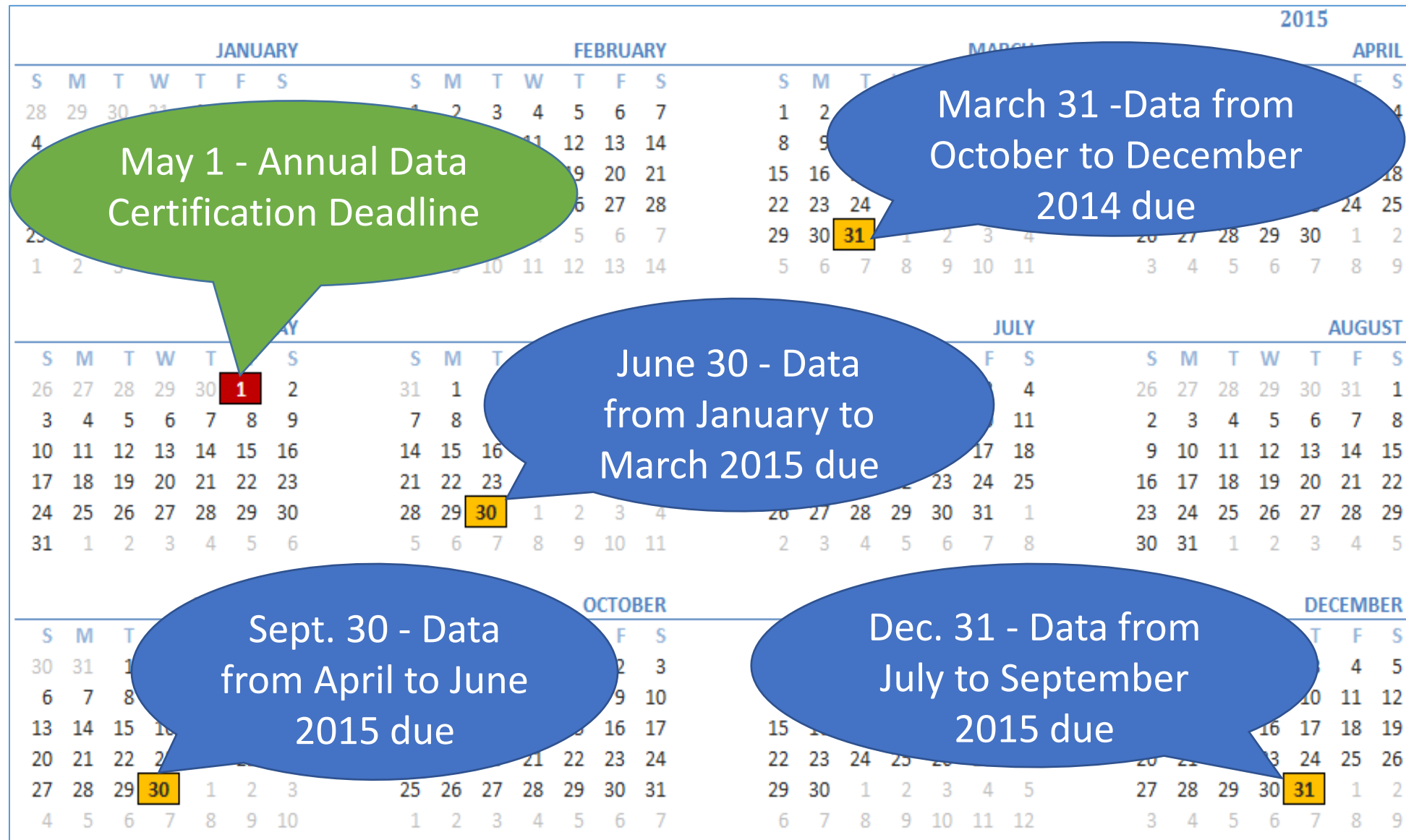
CRITERIA POLLUTANT AIR QUALITY MONITORS IN AQS - 2014 (Total: 5,785)



CARB'S CRITERIA POLLUTANT AIR QUALITY MONITORS - 2014 (Total: 424)



AQS Data Submittal Schedule - 2015



The Actual Requirement in CFR Language

- §58.15 - Annual air monitoring data certification:
- “(a) The State, or where appropriate local, agency shall submit to the EPA Regional Administrator an annual air monitoring data certification letter to certify data collected at all SLAMS and at all FRM, FEM, and ARM SPM stations that meet criteria in appendix A to this part from January 1 to December 31 of the previous year....”

1) letter

(2) Annual data certification letter is due by May 1 of each year.

2) AMP450 NC

(b) Along with each certification letter, the State shall submit to the Administrator (through the appropriate Regional Office) an annual summary report of all the ambient air quality data collected at all SLAMS and at SPM stations using FRM, FEM, or ARMs. ...”

3) AMP600

(c) Along with each certification letter, the State shall submit to the Administrator (through the appropriate Regional Office) a summary of the precision and accuracy data for all ambient air quality

- What this all means: ***Once the package is sent to EPA, the data are certified.*** It is the letter that certifies your data; the AQS reports are a tool that help you certify the data.

Certifying agencies must use the AMP600-driven process for certifying data. Follow these steps:

- 1. Run the AMP600 report to review and make changes as needed.*
- 2. Add monitoring agency certification flags using the AQS Data Certification form.*
- 3. Run the AMP600 report a second time to generate a copy to send in with your data certification letter.*
- 4. Run the AMP450NC Quick Look summary report (if necessary) to send in with your data certification letter.*

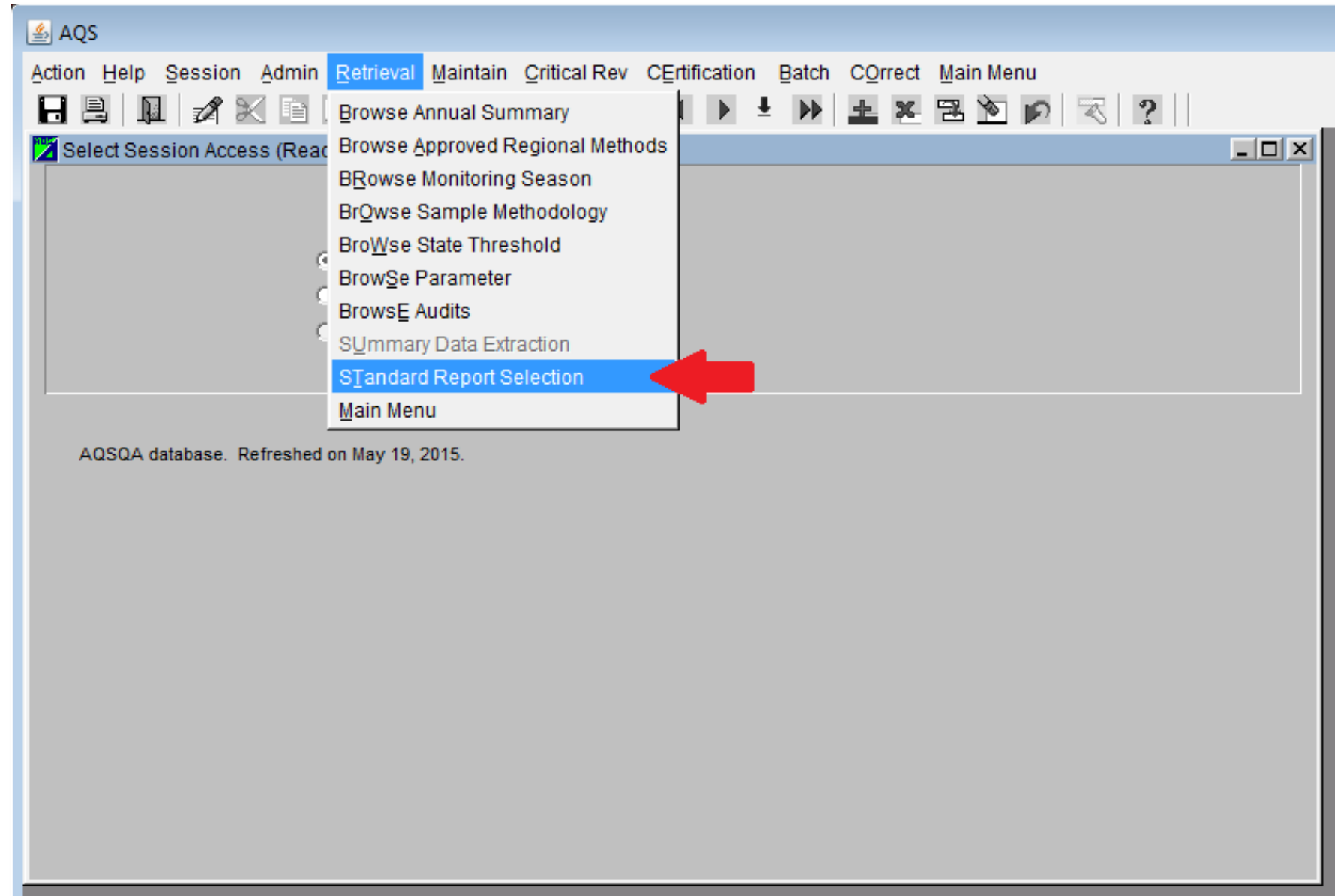
Even if ARB sends the certification letter to EPA for your district's data – you are still involved!

If ARB Certifies your data:

- Review AQS reports quarterly for your District's sites (AMP430, AMP256, AMP350)
- March each year:
 - Review AMP600 report for your sites or other AQS reports as needed
 - Work with ARB to resolve any data issues identified
- Provide justification for missing data and for sites that AQS recommends against certification in your certification letter to ARB
- Email signed certification letter to ARB by date specified by ARB (April 15, 2015) so that your data can be included in annual certification to EPA.

How do you certify data in AQS?

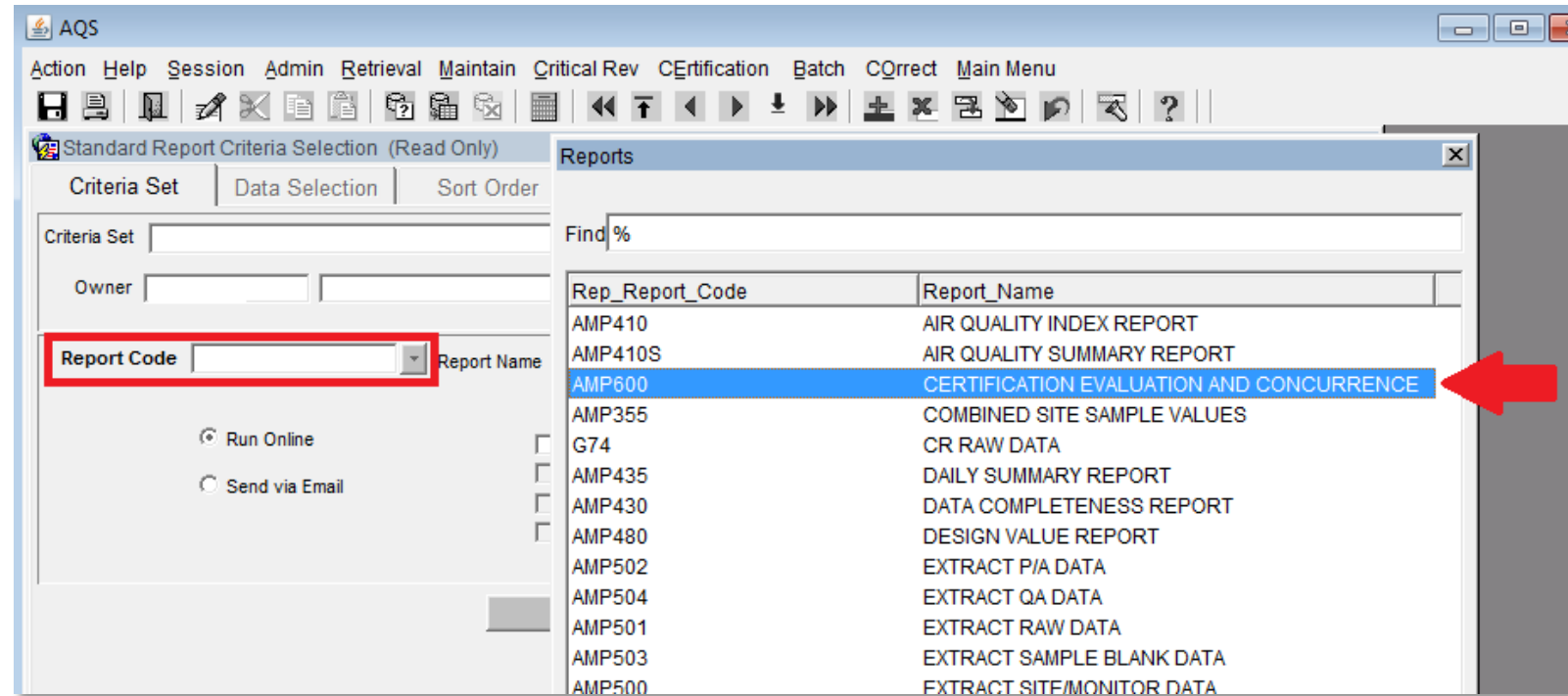
- To run an AMP600 report, go to the **Retrieval** menu, and select **Standard Report Selection**



How do you certify data in AQS?

Use the **Report Code** drop-down menu to select the report to run. Reports include:

- *QuickLook* (AMP450)
- *Raw Data Report* (AMP350)
- **Certification and Evaluation and Concurrence Report (AMP600).**



How do you certify data in AQS?

There are five tabs in the AMP600:

1. **Criteria Set tab**
2. **Data Selection tab**
3. *Sort Order*
4. *Report Options*
5. *Retrieve Reports*

AQS

Action Help Session Admin Retrieval Maintain Critical Rev Certification Batch Correct Main Menu

Standard Report Criteria Selection (Read Only) AMP600

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

Monitor / Geographic Criteria

State Code	County Code	Site Id

Protocol Criteria

Pollutant Type	Parameter Code
CRITERIA	

Date Criteria

Start Date: 2014 End Date: 2014

Agency Role: CERTIFYING

Agency: 1104 US EPA - Region 9

Generate Report

AMP600 Report

- The Report cover page shows how you made your selection:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY			
User ID: FRX		CERTIFICATION EVALUATION AND CONCURRENCE	
Report Request ID: 1335355		Report Code: AMP600	
PROTOCOL SELECTIONS		AGENCY SELECTIONS	
Parameter	Parameter	Method	Duration
Classification			
CRITERIA		US EPA - Region 9	
SELECTED OPTIONS			
Option Type		Option Value	
MERGE PDF FILES		YES	
AGENCY ROLE		CERTIFYING	
DATE CRITERIA			
Start Date		End Date	
2014		2014	

AMP 600 Report

- The Report Summary page shows an overview of how the agency performed:

Data Evaluation and Concurrence Report Summary						Jul. 22, 2015
Certification Year: 2014						
Certifying Agency (CA): US EPA - Region 9 (1104)						
Pollutants in Report:						
<u>Parameter Name</u>	<u>Code</u>	<u>Monitors Evaluated</u>	<u>Monitors Recommended for Concurrence by AQS</u>	<u>Monitors NOT Recommended for Concurrence by AQS</u>		
PM2.5 - Local Conditions	88101	2	0	2		
PQAOs in Report:						
<u>PQAO Name</u>	<u>PQAO Code</u>	<u>TSA Date</u>				
US EPA - Region 9	1104					
Summary of 'N' flags for all pollutants:						
<u>PQAO</u>	<u>Code</u>	<u>AQS Site-ID</u>	<u>POC</u>	<u>AQS Recommended Flag</u>	<u>Cert. Agency Recommended Flag</u>	<u>Reason for AQS Recommendation</u>
1104	88101	06-003-9999	3	N		Flow Rate Audit completeness < 65%.
1104	88101	06-003-9999	1	N		Flow Rate Audit completeness < 65%.
Signature of Monitoring Organization Representative: _____						

- The rest of the AMP600 is broken down by pollutant – gaseous (CO, NO₂, Ozone and SO₂), and particulate (PM₁₀, PM_{2.5}) and lead (Pb).

A few things about PM_{2.5} in the AMP600:

PM2.5 Criteria					
Assessment	Current CFR Requirement or Guidance	Green (Acceptable)	Yellow (Warning)	Red (Recommend N Flag)	Comments
Routine Data Completeness	75%	≥80%	80-70%	<70%	Based on CFR criteria for data use 100 * number of creditable samples/number of scheduled samples in monitor sample period
QAPP Approval	Approval date within 5 years of current date	Approval date within 5 years of current date	Approval date between 5-10 years	Not approved and/or approval date greater than 10 years	Could be sole reason for "N" flag if QAPP not approved.
Flow Rate Audit Completeness	2 /year every 6 months	2/year every 5-7 months or 3 or 4 with one audit in 3 or 4 quarters	2 across 2 quarters	1 audit	Semi-annual flow rate audits. Based on how long sampler operated. If sampler operates <9 months at least 1 is expected. If operated >9 months two audits expected.
Flow Rate Audit Bias	+ 4% of transfer standard ± 5% from design	≤ + 4% of transfer standard ≤ ± 5% from design	+ 5-6% of transfer standard ± 6-7% from design	> + 6% of transfer standard > ± 7% from design	design = design flow rate Average PD for audits at monitor level Value should reflect AMP-256 value
Collocation Completeness	75%	≥75%	65-74%	<65%	By method designation Summary level= average of completeness of site level values Site level = number of reported observations /30 Based on how long sampler operated
Collocation Precision	10%	≤ 10%	11-25%	>25%	By method designation Same statistics as AMP-256 for summary level and site level. Value should reflect AMP-256 value
PM2.5 PEP Completeness	5 or 8	5 or 8	3-4 or 6-7	< 3 or 6	Not a monitoring Org responsibility
PEP Bias	+10%	< +10%	+ 11-30%	>+ 30%	Value should reflect AMP-256 value
Outliers					Not implemented in 2014

Available at <http://www.epa.gov/ttn/amtic/files/ambient/qaqc/AMP600datacert.pdf>

A few things about PM_{2.5} in the AMP600:

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year:2014

Certifying Agency: US EPA - Region 9 (1104)

Parameter: PM2.5 - Local Conditions (88101)

PQAO Name: US EPA - Region 9 (1104)

Quality Assurance Project Plan Approval Date: 06/15/2014

Collocation Summary

	# Sites	# Sites	%	CV	Criteria
Method	# Sites	Req	Collocated	Est	Met?
170	1	1	100	11.31	Y

PEP Summary

#	# Audited	# PEP	# PEP	%	Criteria
Methods	Methods	Required	Submitted	Complete	Met?
1	1	5	1	20	Y

Monitors Summaries

Routine Data (ug/m3)										Flow Rate Audit		Collocation			PEP		Concurrence Flag		
AQS Site ID	POC	Method	Monitor Type	Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Bias	% Complete	CV	% Complete	PQAO Crit. Met	PQAO Crit. Met	QAPP Appr.	AQS Rec Flag	CA Rec Flag	EPA Concur
06-003-9999	1	145	SLAMS	9.25	.9	33.0	0	0	98	+/-	0			Y	Y	Y	N		
06-003-9999	3	170	SLAMS	8.42	-4.0	112.0	0	0	97	+/-	0	12.45	100	Y	Y	Y	N		

Assessment	Current CFR Requirement or Guidance	Green (Acceptable)	Yellow (Warning)	Red (Recommend N Flag)	Comments
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170	1	1	1	100	11.31	12.45	Y

PEP Summary

# Methods	# Audited Methods	# PEP Required	# PEP Submitted	% Complete	Bias	Criteria Met?
1	1	5	1	20	-3.95	Y

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Routine Data (ug/m3)									Flow Rate Audit		Collocation			PEP	QAPP Appr.	Concurrence Flag		
			Monitor	Exceed.Outlier					%	%		PQAO	PQAO	AQS Rec		CA Rec	EPA	
AQS Site ID	POC	Method	Type	Mean	Min	Max	Count	Count	Complete	Bias	Complete	CV	Complete	Crit. Met		Crit. Met	Flag	Flag
06-003-9999	1	145	SLAMS	9.25	.9	33.0		0	98	+/-	0			Y	Y	Y	N	
06-003-9999	3	170	SLAMS	8.42	-4.0	112.0		0	97	+/-	0	12.45	100	Y	Y	Y	N	

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										Bias	% Complete	CV	% Complete	PQA Crit. Met	CA Rec EPA
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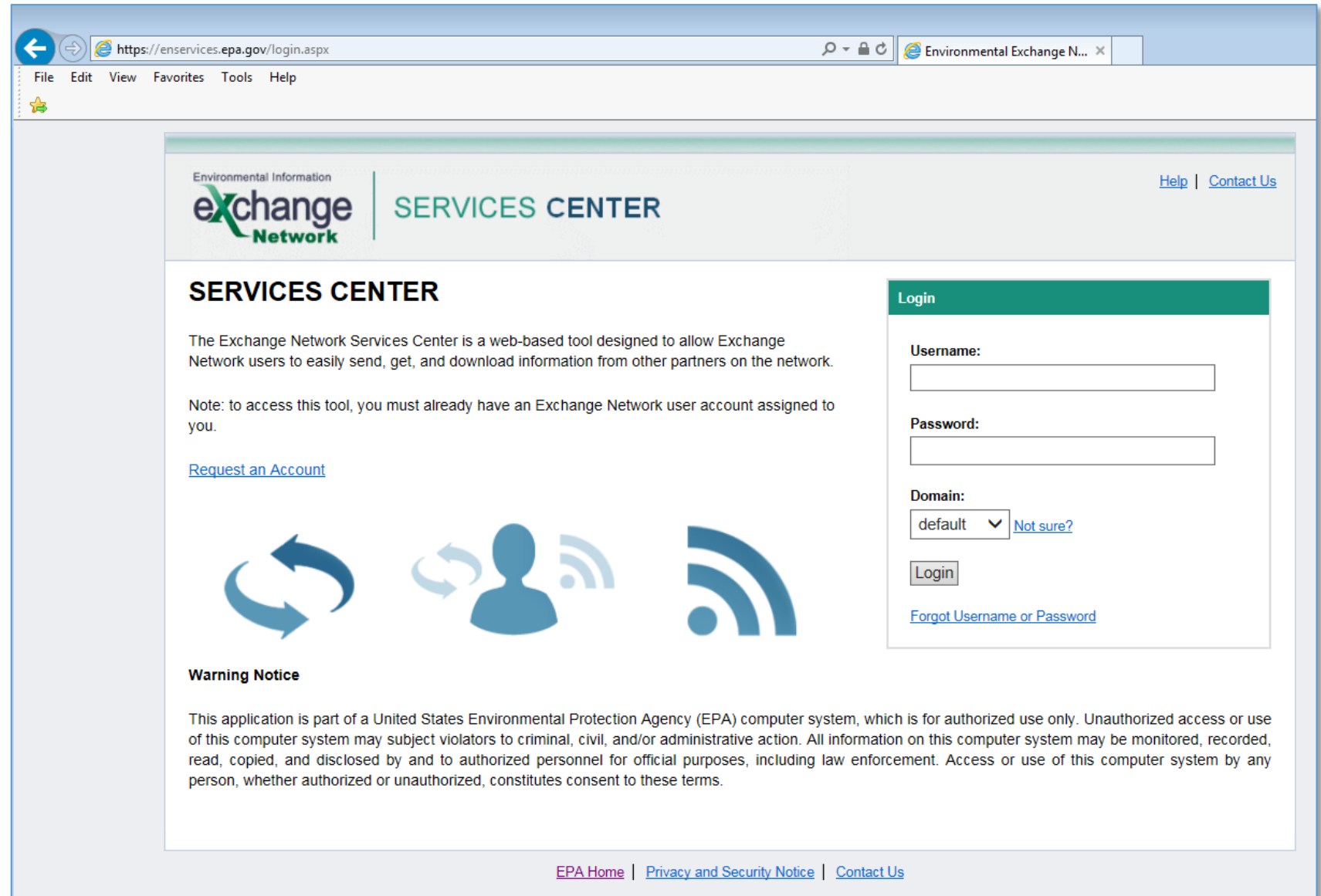
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		Type	Max			Count	Count												
06-003-9999	1	145	SLAMS	9.25	.9	33.0	0		98	+/-	0			Y	Y	Y	N		
06-003-9999	3	170	SLAMS	8.42	-4.0	112.0	0		97	+/-	0	12.45	100	Y	Y	Y	N		

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How do you upload semi-annual flow audit data?

To load the missing semi-annual flow audit data, use the Exchange Network:

- URL:
<https://enservices.epa.gov/login.aspx>
- Username = your email address (from AQS Profile)
- Password: Same as CDX Web password



The screenshot shows a web browser window with the URL <https://enservices.epa.gov/login.aspx>. The page header includes the "Environmental Information exchange Network" logo and the "SERVICES CENTER" title. The main content area is titled "SERVICES CENTER" and contains a description: "The Exchange Network Services Center is a web-based tool designed to allow Exchange Network users to easily send, get, and download information from other partners on the network." Below this is a note: "Note: to access this tool, you must already have an Exchange Network user account assigned to you." and a link to "Request an Account". There are three icons: a circular arrow, a person with a circular arrow, and a Wi-Fi symbol. A "Warning Notice" section states: "This application is part of a United States Environmental Protection Agency (EPA) computer system, which is for authorized use only. Unauthorized access or use of this computer system may subject violators to criminal, civil, and/or administrative action. All information on this computer system may be monitored, recorded, read, copied, and disclosed by and to authorized personnel for official purposes, including law enforcement. Access or use of this computer system by any person, whether authorized or unauthorized, constitutes consent to these terms." On the right side, there is a "Login" form with fields for "Username:", "Password:", and "Domain:" (with a dropdown menu showing "default" and a link "Not sure?"). There is a "Login" button and a link "Forgot Username or Password". The footer includes links for "EPA Home", "Privacy and Security Notice", and "Contact Us".

How do you upload semi-annual flow audit data?

- Select 'My Services Center'

The screenshot shows the EPA Exchange Network Services Center website. At the top, the logo for the 'Exchange Network' is on the left, and the text 'SERVICES CENTER' is on the right. A red arrow points down to the 'My Services Center' tab in the navigation bar. The 'My Services Center' tab is highlighted. Below the navigation bar, there are three main sections: 'MY SERVICES CENTER', 'EXCHANGE NETWORK SERVICES', and 'NEWS & DATA CHANNELS'. The 'MY SERVICES CENTER' section has a description: 'Quickly access the services and queries you use and check the status of your requests' followed by a 'GO' button. A red arrow points to this 'GO' button. To the right of the 'MY SERVICES CENTER' section is a 'My Quick Links' box with a 'Manage' link. It contains four links: 'AQS QA', 'Exchange Network', 'Exchange Network Discovery Services (ENDS)', and 'Production CDX Web'. Below the 'My Quick Links' box is a green box with an exclamation mark icon and the text: 'Check out our News Feed for the latest on what's happening with the Exchange Network Services Center'. At the bottom of the page, there is a footer with links: 'EPA Home', 'Privacy and Security Notice', and 'Contact Us'.

Environmental Information
exchange Network

SERVICES CENTER

Logged In: clover.fletcher@epa.gov
[My Profile](#) | [Help](#) | [Contact Us](#) | [Logout](#)

Home **My Services Center** Exchange Network Services News & Data Channels

MY SERVICES CENTER
Quickly access the services and queries you use and check the status of your requests **GO**

EXCHANGE NETWORK SERVICES
Send, get, and download information from Exchange Network partners **GO**

NEWS & DATA CHANNELS
View news and data feeds from Exchange Network partners, subscribe to channels of interest, or contribute your own content to these channels **GO**

My Quick Links [Manage](#)

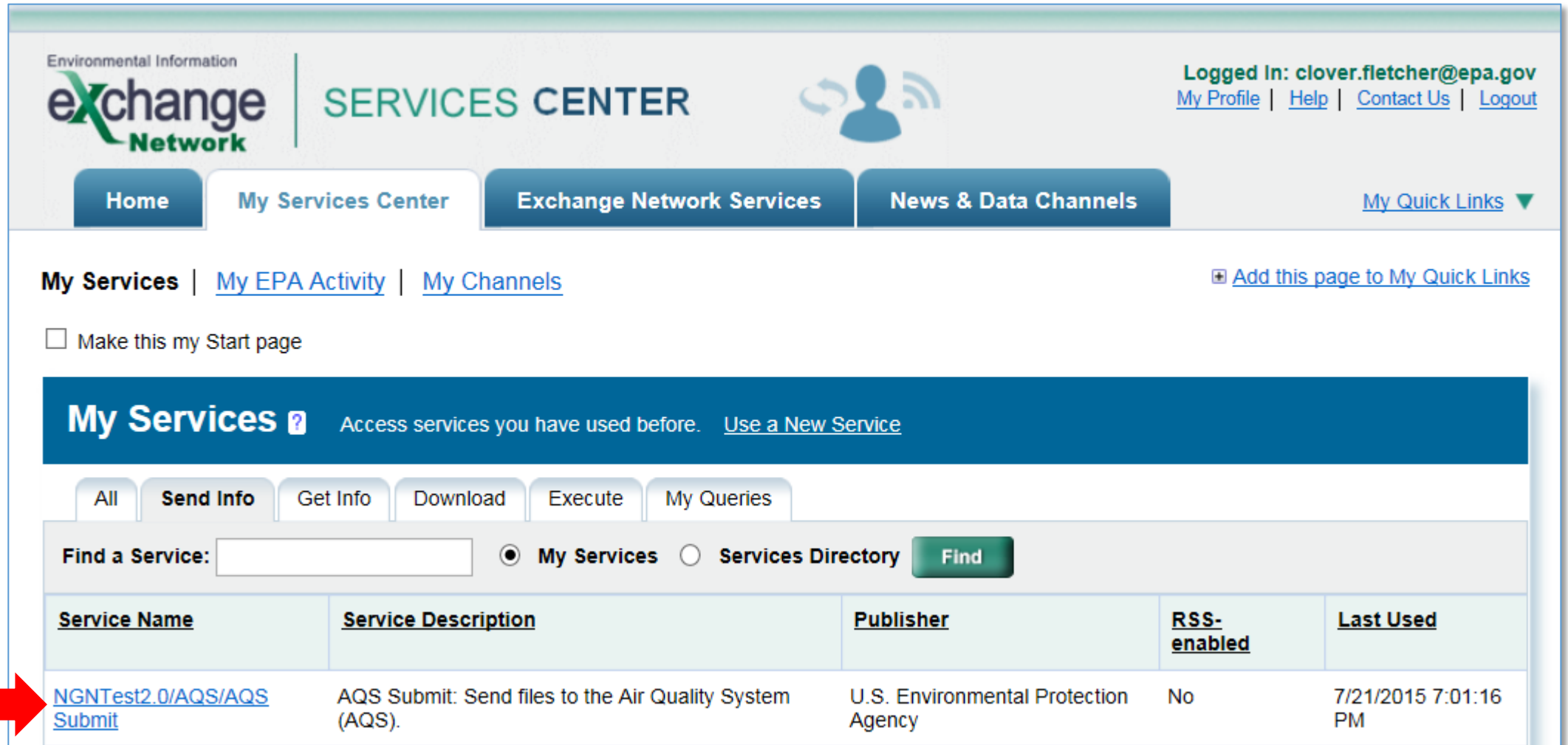
- » [AQS QA](#)
- » [Exchange Network](#)
- » [Exchange Network Discovery Services \(ENDS\)](#)
- » [Production CDX Web](#)

Check out our News Feed for the latest on what's happening with the Exchange Network Services Center

[EPA Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

How do you upload semi-annual flow audit data?

- Click on the Service Name used to upload data to AQS



Environmental Information
exchange Network

SERVICES CENTER

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[Home](#) | [My Services Center](#) | [Exchange Network Services](#) | [News & Data Channels](#) | [My Quick Links](#) ▼

My Services | [My EPA Activity](#) | [My Channels](#) | [+ Add this page to My Quick Links](#)

☐ Make this my Start page

My Services ? Access services you have used before. [Use a New Service](#)

[All](#) | [Send Info](#) | [Get Info](#) | [Download](#) | [Execute](#) | [My Queries](#)

Find a Service: ☒ **My Services** ☐ **Services Directory** [Find](#)

<u>Service Name</u>	<u>Service Description</u>	<u>Publisher</u>	<u>RSS-enabled</u>	<u>Last Used</u>
NGNTest2.0/AQS/AQS Submit	AQS Submit: Send files to the Air Quality System (AQS).	U.S. Environmental Protection Agency	No	7/21/2015 7:01:16 PM

How do you upload semi-annual flow audit data?

1. Browse to a document to upload
2. Enter a notification email
3. Enter your AQS user ID
4. Enter the screening group for the data
5. Enter the file type
6. Enter the final processing step
7. Enter Stop on Error option
8. Click the SEND DATA button

Environmental Information
exchange Network | **SERVICES CENTER**

Logged In: [clover.fletcher@epa.gov](#)
[My Profile](#) | [Help](#) | [Contact Us](#) | [Logout](#)

[Home](#) | [My Services Center](#) | [Exchange Network Services](#) | [News & Data Channels](#) | [My Quick Links](#) ▼

(Added to My Quick Links)

Express Request: AQS Submit ?

Select a Document to Upload (max. size 1 GB):
C:\Users\fclover\Desktop\AQS DEMO DATA\T... [Browse...](#)

You have selected the following file(s):
TO UPLOAD PM25_QA_semi_annual_flow_rate_audit_2014.txt
[View](#) | [Remove](#)

Enter Sender's Email Address to Notify of Transaction Status Changes:

AQS User ID:

Additional Data Flow Specific Information:
Screening Group :

File Type :

Final Processing Step :

Stop On Error :

► [Provide information \(metadata\) about this Document \(recommended\)](#)

[Cancel](#) [SEND DATA](#)

You are currently using the following Service:

Service Name
AQS Submit

Description
AQS Submit: Send files to the Air Quality System (AQS).

Transaction Type
Submit

Dataflow
AQS

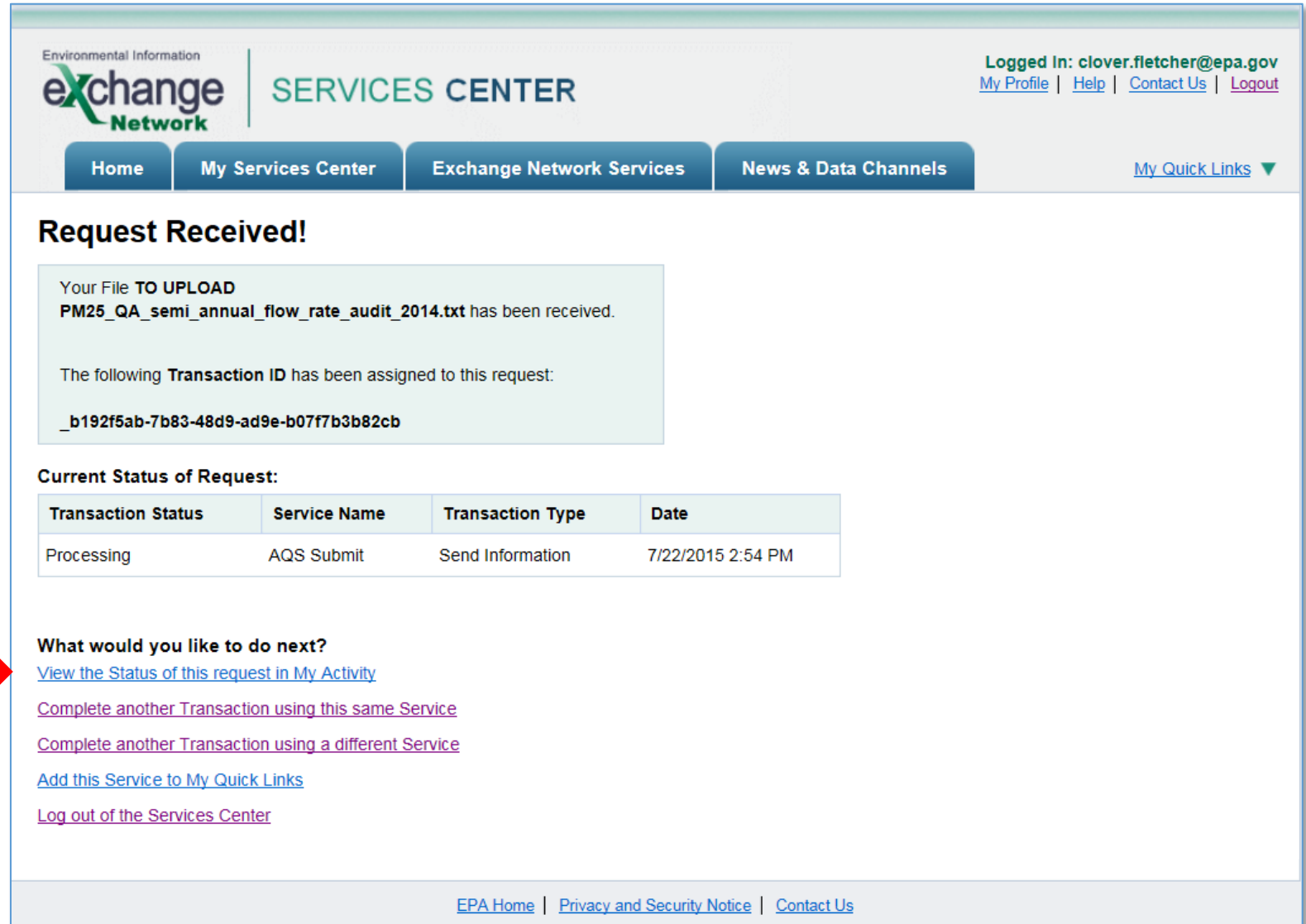
Node
NGNTest2.0

Publisher
U.S. Environmental Protection Agency
[Click here for Additional service help information](#)

[Select a different Service](#)

How do you upload semi-annual flow audit data?

- Click on *View the Status of this request in My Activity*
- You will receive an email notifying you the status of the transaction



The screenshot shows the EPA Exchange Network Services Center interface. At the top, there is a header with the 'exchange Network' logo and 'SERVICES CENTER' text. A user is logged in as 'clover.fletcher@epa.gov'. Below the header is a navigation bar with buttons for 'Home', 'My Services Center', 'Exchange Network Services', and 'News & Data Channels'. A 'My Quick Links' dropdown menu is also visible.

The main content area displays a 'Request Received!' message. It states that a file named 'PM25_QA_semi_annual_flow_rate_audit_2014.txt' has been received. Below this, it provides a Transaction ID: '_b192f5ab-7b83-48d9-ad9e-b07f7b3b82cb'.

Below the message is a table titled 'Current Status of Request:'.

Transaction Status	Service Name	Transaction Type	Date
Processing	AQS Submit	Send Information	7/22/2015 2:54 PM

Below the table, there is a section titled 'What would you like to do next?' with several links: 'View the Status of this request in My Activity', 'Complete another Transaction using this same Service', 'Complete another Transaction using a different Service', 'Add this Service to My Quick Links', and 'Log out of the Services Center'.

A red arrow points to the 'View the Status of this request in My Activity' link.

At the bottom of the page, there is a footer with links for 'EPA Home', 'Privacy and Security Notice', and 'Contact Us'.

How do you upload semi-annual flow audit data?

- Click on *View the Status of this request in My Activity*
- Click on *Refresh Activity* to see the status of the transaction
- You will receive an email notifying you the status of the transaction

The screenshot displays the EPA Exchange Network Services Center interface. At the top, the header includes the 'exchange Network' logo, 'SERVICES CENTER', and a user profile icon. The user is logged in as 'clover.fletcher@epa.gov'. Navigation tabs include 'Home', 'My Services Center', 'Exchange Network Services', and 'News & Data Channels'. Below the header, there are links for 'My Services', 'My EPA Activity', and 'My Channels'. A checkbox option 'Make this my Start page' is present. The main section is titled 'My EPA Activity' with a subtitle 'View the status of your transactions'. A filter bar shows 'Filter By: Transaction ID' with a dropdown menu set to '_1975080b-269d-4648-b' and buttons for 'Filter' and 'Clear'. Below the filter bar, a table displays transaction details. The table has columns: 'Service Name', 'Dataflow Name', 'Transaction Status', 'Transaction Type', 'Date', 'Transaction ID', and 'Documents'. The first row shows 'AQS Submit' for the service, 'AQS' for the dataflow, and a detailed 'COMPLETED' status for the transaction. A red box highlights the 'Transaction Status' column. To the right of the table, there is a 'Refresh Activity' button with a red arrow pointing to it.

Environmental Information
exchange Network

SERVICES CENTER

Logged In: clover.fletcher@epa.gov
[My Profile](#) | [Help](#) | [Contact Us](#) | [Logout](#)

[Home](#) | [My Services Center](#) | [Exchange Network Services](#) | [News & Data Channels](#) | [My Quick Links](#)

[My Services](#) | [My EPA Activity](#) | [My Channels](#) | [Add this page to My Quick Links](#)

☐ Make this my Start page

My EPA Activity View the status of your transactions

Filter By: Transaction ID [Filter](#) [Clear](#)

1 - 1 of 1 [< Previous](#) 1 [Next >](#) [Refresh Activity](#)

Service Name	Dataflow Name	Transaction Status	Transaction Type	Date	Transaction ID	Documents
AQS Submit	AQS	COMPLETED: Number of data rows successfully staged: 5. Number of rows that failed to stage: None. Number of transactions successfully loaded: 5. Number of transactions with Load error: 0.	Send Info	7/22/2015 3:16:40 PM	_1975080b-269d-4648-b279-4dd6bc8191ec	TO UPLOAD PM25_QA_semi_annual_flow_rate_audit_2014.txt.zip

How do you certify data in AQS?

- Run the AMP600 again to verify the changes have taken effect

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year: 2014

Certifying Agency: US EPA - Region 9 (1104)

Parameter: PM2.5 - Local Conditions (88101)

PQAO Name: US EPA - Region 9 (1104)

Quality Assurance Project Plan Approval Date: 06/15/2014

Collocation Summary

Method	# Sites	# Sites Req	# Sites Collocated	% Collocated	CV Est	CV UB	Criteria Met?
170	1	1	1	100	11.31	12.45	Y

PEP Summary

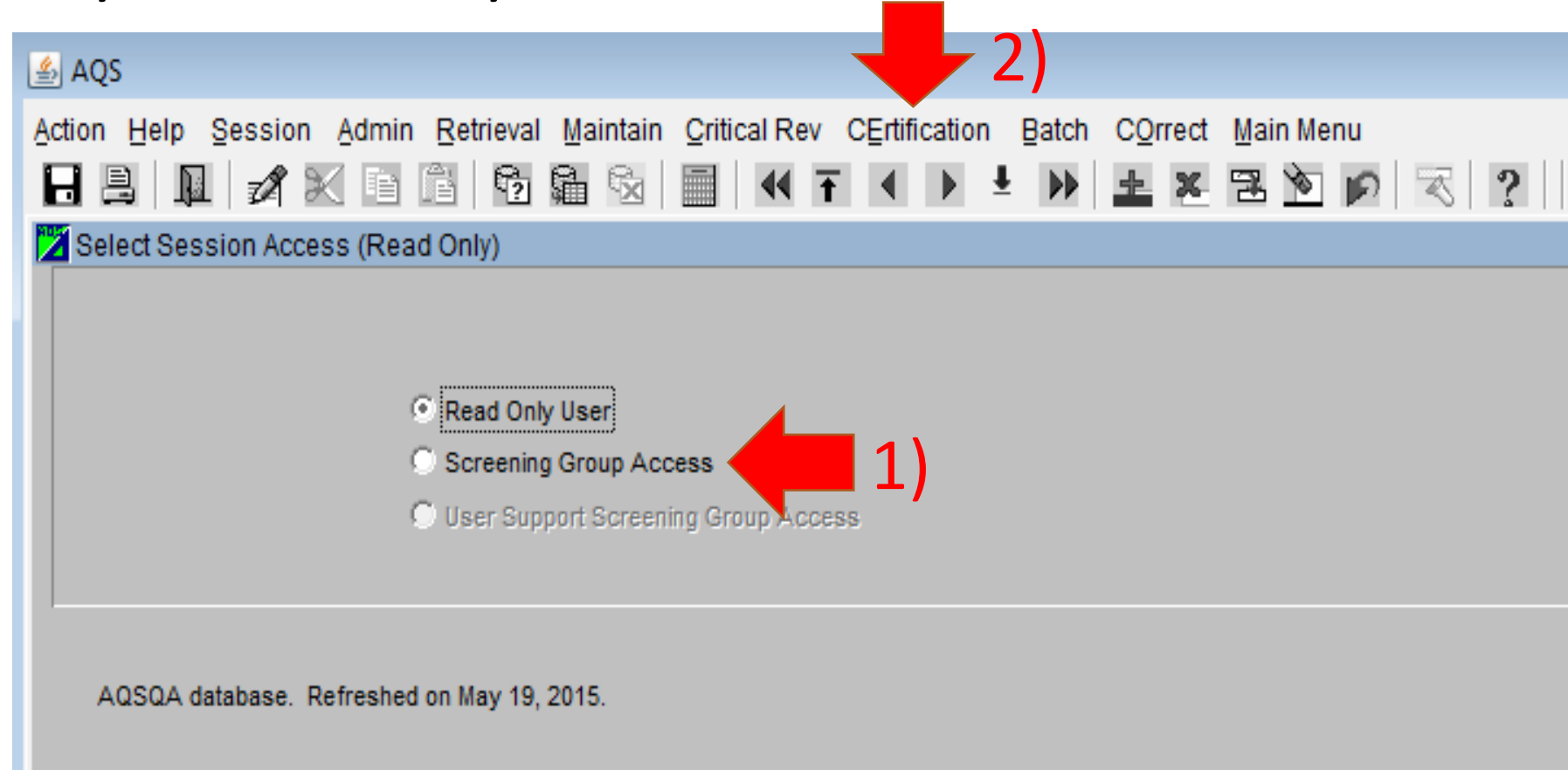
# Methods	# Audited Methods	# PEP Required	# PEP Submitted	% Complete	Bias	Criteria Met?
1	1	5	1	20	-3.95	Y

Monitors Summaries

Routine Data (ug/m3)									Flow Rate Audit		Collocation			PEP		Concurrence Flag			
AQS Site ID	POC	Method	Monitor Type	Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Bias	% Complete	CV	% Complete	PQAO Crit. Met	PQAO Crit. Met	QAPP Appr.	AQS Rec Flag	CA Rec Flag	EPA Concur
06-003-9999	1	145	SLAMS	9.25	.9	33.0	0		98	+0.13	100			Y	Y	Y	Y		
06-003-9999	3	170	SLAMS	8.42	-4.0	112.0	0		97	-1.27	100	12.45	100	Y	Y	Y	Y		

How do you certify data in AQS?

- Add a certifying agency flag under the *Monitoring Agency Request* column:
 - Log in under the certifying agency's screening group
 - Click 'Certification' to access the Data Certification form



How do you certify data in AQS?

- Add a certifying agency flag under the *Monitoring Agency Request* column:
- Add your selection criteria
- Click the *Execute Query* button

AQS

Action Help Session Admin Retrieval Maintain Critical Rev Certification Batch COrrect Main Menu

Data Certification (50 Test User Screening Group)

Query Criteria

Year 2014 Agency 1104 County Code Site ID CBESA Code

State Classification CRITERIA Parameter

Certifications

Year	AQS Monitor ID	AQS Recommended Flag	Monitoring Agency Request	EPA Evaluation Value	Monitoring Agency Comment

How do you certify data in AQS?

Add a certifying agency flag under the *Monitoring Agency Request* column:

1. Add a flag to each monitor
 - A “Y” flag means that you agree with the AQS “Y” recommendation
 - A “N” flag means that you disagree with the AQS recommendation; an explanation is required if you disagree
2. If there are many monitors, use the shortcut button at the bottom of the screen
 - Flags will automatically be added that will reflect the AQS-recommended flag
 - You can edit flags if you disagree
3. Don't forget to click *Save* to save flags

AQS

Action Help Session Admin Retrieval Maintain Critical Rev Certification

Data Certification (50 Test User Screening Group)

Query Criteria

Year 2014 Agency 1104 US EPA - Region 9

State

Classification CRITERIA Parameter

Certifications

Year	AQS Monitor ID	AQS Recommended Flag	Monitoring Agency Request	EPA Evaluation Value
2014	06-003-9999-88101-1	Y	Y	
2014	06-003-9999-88101-3	Y	Y	

☐ Initialize Monitoring Agency Requested Values

☐ Initialize Official Certification Flags

How do you certify data in AQS?

- Run the AMP600 a final time; this copy should be signed by your agency's air pollution control officer or other designated official and included as part of the annual data certification package

Data Evaluation and Concurrence Report for Particulate Matter																			
Certifying Year:2014																			
Certifying Agency: US EPA - Region 9 (1104)																			
Parameter: PM2.5 - Local Conditions (88101)																			
PQAO Name: US EPA - Region 9 (1104)																			
Quality Assurance Project Plan Approval Date: 06/15/2014																			
Collocation Summary									PEP Summary										
		# Sites	# Sites		%	CV		Criteria		#	# Audited	# PEP	# PEP	%		Criteria			
	Method	# Sites	Req	Collocated	Collocated	Est	CV UB	Met?		Methods	Methods	Required	Submitted	Complete	Bias	Met?			
	170	1	1	1	100	11.31	12.45	Y		1	1	5	1	20	-3.95	Y			
Monitors Summaries																			
Routine Data (ug/m3)										Flow Rate Audit		Collocation		PEP		Concurrence Flag			
AQS Site ID	POC	Method	Monitor Type	Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Bias	% Complete	CV	% Complete	PQAO Crit. Met	PQAO Crit. Met	QAPP Appr.	AQS Rec Flag	CA Rec Flag	EPA Concur
06-003-9999	1	145	SLAMS	9.25	.9	33.0		0	98	+0.13	100			Y	Y	Y	Y	Y	
06-003-9999	3	170	SLAMS	8.42	-4.0	112.0		0	97	-1.27	100	12.45	100	Y	Y	Y	Y	Y	

How do you certify data in AQS?

To summarize:

1. Run the AMP600 report to review and make changes as needed.
2. Add monitoring agency certification flags using the AQS Data Certification form.
3. Run the AMP600 report a 2nd time to generate a copy to send in with your 2014 data certification letter.
4. Run the AMP450NC Quick Look summary report (if necessary) to send in with your 2014 data certification letter.

For districts that ARB submits data for, submit a signed certification letter with justifications by date specified by ARB (April 15, 2015) so that your data can be included in annual certification to EPA.

How do you certify data in AQS?

Reports and letters should be sent to Deborah Jordan, Director, Air Division (Jordan.Deborah@epa.gov) in lieu of the Regional Administrator, Meredith Kurpius (Kurpius.Meredith@epa.gov), and myself (Clover.Fletcher@epa.gov). Electronic formats are preferred, but hard copy is acceptable. Hardcopy should be mailed to,

Deborah Jordan

Director, Air Division

75 Hawthorne Street, MS AIR-1

San Francisco, CA 94105-3901

Contacts for ARB-certified District Data:

	District	Contact
1-Point QC	Submit to ARB	Ranjit Bhullar, ranjit.bhullar@arb.ca.gov
Annual Summary Completeness	Submit to ARB	Gayle Sweigert, gayle.sweigert@arb.ca.gov
Flow Rate Verification	Submit to ARB	Ranjit Bhullar, ranjit.bhullar@arb.ca.gov
Missing Audit Information		Ranjit Bhullar, ranjit.bhullar@arb.ca.gov

And QAPPs: Patrick Rainey, patrick.rainey@arb.ca.gov

(from <http://www.arb.ca.gov/aaqm/qa/videos/certificationproject/certpresentation.pdf>)

How do you register to AQS?

Register for AQS: go to <http://www.epa.gov/ttn/> and select the *AQS – Air Quality System* link, and select User Registration

The image shows two pages of the Air Quality System - User Registration form. The left page is the 'User Section' and the right page is the 'AQS User Security Guidelines Signature Page'.

Page 1: Air Quality System - User Registration

User Section Type all known entries before printing.

First Name Initial Last Name

Agency

Address

City County

State Zip Code E-Mail

Phone Fax

User Type (Check one) ☐ State ☐ Tribe ☐ EPA Regional Office ☐ Other Federal
☐ Local ☐ Contractor ☐ EPA Headquarters
If none of these apply, contact epacallcenter@epa.gov

User Signature Date 7/6/15

Agency Name Agency Code

AQS Contact Name

Phone Number

FAX Number

Screening Group Name(s) (If other than Read Only access requested)

Agency AQS Contact Signature Date:

State/Tribe Section *If this registration is for a local agency that needs State/Tribal approval, both the Agency and State/Tribal sections and Contact signatures must be provided. Otherwise, skip this section.

State/Tribe AQS Contact Signature Date:

EPA Region Section

If you receive an AQS User Registration request, please forward the email request to hamlin.michael@epa.gov

Page 2: AQS User Security Guidelines Signature Page

I have read the AQS User Security Guidelines and will comply with what has been outlined to insure the security of AQS is not violated.

Agency of AQS User

Printed Name of AQS User

Signature of AQS User

Date

Email or FAX both sheets to EPA, NADG - EPACallCenter@epa.gov or (919) 541-7674

How do you access AQS?

- Make sure Java is installed (available for free from <http://www.java.com>)
- Launch AQS (bookmark is <https://aqs.epa.gov/aqs/>)
 - Go to <http://www.epa.gov/ttn/> and select the *AQS – Air Quality System* link, and select [AQS Web Application](#).
 - Click the [Proceed to AQS](#) button, and the [I agree to these terms and want to enter the AQS application](#) link.

AQS Home	<h2>AQS Web Application Warning</h2> <p>The Air Quality System (AQS) is a United States Environmental Protection Agency (EPA) system for the collection, storage, and distribution of air quality data for regulatory purposes only. Unauthorized access or use of this computer system may subject violators to civil and criminal penalties. Access or use of this computer system by any person, whether authorized or unauthorized, is prohibited.</p> <p>AQS is exclusively for the use of federal, State, Territorial, and Tribal environmental agencies.</p> <p>Please be aware that AQS has certain browser requirements. You must be running Internet Explorer 6.0 or higher. Please go to the AQS Web Application Setup page if you need to complete any setup.</p> <p>I agree to these terms and want to enter the AQS application. </p> <p>I would like to go to publicly accessible reports from AQS.</p>
Basic Information	
AQS Web Application	
AQS Discoverer	
Manuals & Guides	
Obtaining AQS Data	
Precision and Accuracy Data	
AQS Conferences	
Frequent Questions	
Memos	

Resources

- EPA's AQS Website: <http://www.epa.gov/ttn/airs/airsaqs/>
 - Manuals, AQS Users Guide, training materials, codes, data files
- AQS RSS feed: http://www.epa.gov/ttn/airs/airsaqs/aqs_user_info_rss.xml
 - Latest AQS updates and webinar information
- EPA's AMTIC website: <http://www.epa.gov/ttn/amtic/>
 - Monitoring schedules and technical guidance
- EPA Helpdesk: (866) 411-4372, EPACALLCENTER@epa.gov (option 9)
 - First line for technical support for AQS
- ENSC Helpdesk: (888) 890-1995, nodehelpdesk@epacdx.net (option 2)
 - For issues uploading data to AQS
- Regional AQS Contact: Fletcher Clover (415) 972-3991, clover.fletcher@epa.gov