

AQS New User Orientation



Objectives

- Accessing and Navigating within AQS
- Resources available on the AQS Website
- AQS Support

This presentation will provide you with information pertaining to all three objectives.

Accessing and Navigating within AQS

Accessing and Navigating within AQS:

- Brief overview
- AQS components
- Registration process
- Initial setup
- Logon to application
- Navigation

What is AQS?

- Repository of air quality data collected by EPA, state, local, and tribal agencies.
- Administered by US EPA National Air Data Group (NADG) of the Office of Air Quality Planning and Standards (OAQPS) in RTP, NC
- Technology Transfer Network (TTN) Air Quality System (AQS) website:
<http://www.epa.gov/ttn/airs/airsaqs/index.htm>

AQS Web is the application or software interface used to load and retrieve data.

EPA NADG is the owner of the application.

The EPA TTN Air Quality System Website is the AQS Website.

User Access Information

- Accounts
 - AQS (Oracle)
 - CDX
- User Roles
- Screening Groups
- Account Passwords

- Account Privileges determined from access request form.
- EPA Regional office contact submits request.
- AQS account is set up by EPA NADG.
- EPA Central Data Exchange (CDX) account set up CDX support.
- CDX support can be reached at (888)-890-1995.
- CDX is a separate application used to transfer data to AQS.

User Roles

Determines Type of Access

- Read Only
- Update
 - Raw Data
 - Precision and Accuracy

- Type of access in AQS determined by your user role.
- All users have Read Only access.
- Update access controlled by screening group.

Screening Groups

- Controls update access to data
- Data is “owned” by a screening group
- Screening group access vs read only user

Screening Groups are groups designated by EPA to control update authority to specific sites and monitors.

Users that initiate updates to AQS data are allowed to update only data owned by their screening group.

When you are within a screening group you will only be able to see data (production and preproduction) owned by that screening group.

Read Only access allows you to see ALL data in production.

Account Passwords

Oracle: No password required

AQS: Minimum eight alphanumeric characters, at least one numeric not as the first, one alpha, and no special characters, dictionary words or user-id followed by numbers. NOT case sensitive. Must be changed every 90 Days.

CDX: Minimum of eight characters (at least one numeric and one alpha) and IS case sensitive. Must be changed every 90 Days. This password can be synchronized with your AQS password.

If your password has expired you will get a prompt from the logon screen to change it prior to accessing AQS.

Account information can be found by clicking on the User Registration link on the sidebar of the AQS website and then the accountinfo link in the body of the page.

AQS Password

- Initial AQS password provided by User Support
- Change your initial AQS password at first logon

CDX Password Synchronization

- Changes CDX password to your current AQS password
- Synchronization is Optional

CDX Synchronization changes your **current** CDX password to your **current** AQS password. All uppercase characters will be converted to lowercase.

Specific Hardware/Software

System Requirements/Recommendations:

➤ Hardware:

PC: IBM Compatible

Disk space: 180 MB

- Additional space will be needed for data files
- Processor: Pentium 133 MHz for Windows 2000, 233MHz for XP
- Memory: 64MB RAM or more

Video Card: XGA (1024X768 resolution) or better

- Display: 256 colors or better

➤ Software:

- Platforms: Windows 2000, XP
- Java 2 Runtime Environment 5+
- Adobe Acrobat Reader
- Zip/Unzip Utility (e.g. PKUNZIP)

➤ Connectivity: Microsoft Internet Explorer 6.0+, Netscape 7.0+ and Internet access TCP/IP or EPA WAN

- Adobe Acrobat Reader (free from Adobe)

This information is available on the AQS Website as an FAQ item under Installation.

Client Components and System Requirements

- Java Runtime Environment(JRE)
- Adobe Acrobat Reader
- Unzip utility
- Any pop-up blocker must allow pop-ups from <https://iasint.rtpnc.epa.gov>
- Enable automatic prompting for file downloads
- “Do not save encrypted files to disk” option should NOT be selected in your Browser

Adobe Acrobat Reader is used to read AQS reports. The default format for AQS standard reports is PDF.

An unzip utility may be needed to unzip zipped files created by the reports.

Browser Settings:

- Allow pop ups from AQS site.
- Enable automatic prompting for file downloads with Internet Explorer. To do this, first access Tools from the menu bar and then Internet Options from the drop down. Following click on the Security Tab and then highlight the internet icon by clicking on it. Then click on the custom level button at the bottom of the security screen. Next, find the “downloads” section on the custom level popup and click on “automatic prompting for file downloads”.
- To uncheck the “Do not save encrypted files to disk” option in Internet Explorer access Tools from the menu bar and then Internet Options from the drop down. Next, click on the Advanced Tab and uncheck “Do not save encrypted files to disk” in the Security section on this screen.

AQS Logon

- Access via the AQS Web Home page, <http://www.epa.gov/ttn/airs/airsaqs/aqsweb/aqswwebhome.htm>, "Proceed to AQS" link.
- After agreeing to the terms, the application will start.
- Enter your user-id and password. The Database name (AQSPROD) is already specified

Enter your user-id and password. The Database name (AQSPROD) is already specified.

Accessing and Navigating within AQS Demo

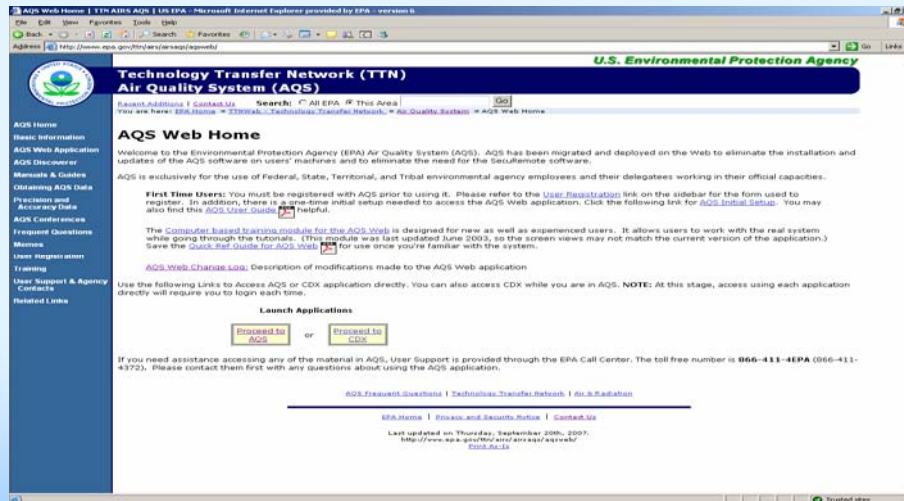


EPA TTN Website (AQS Homepage)



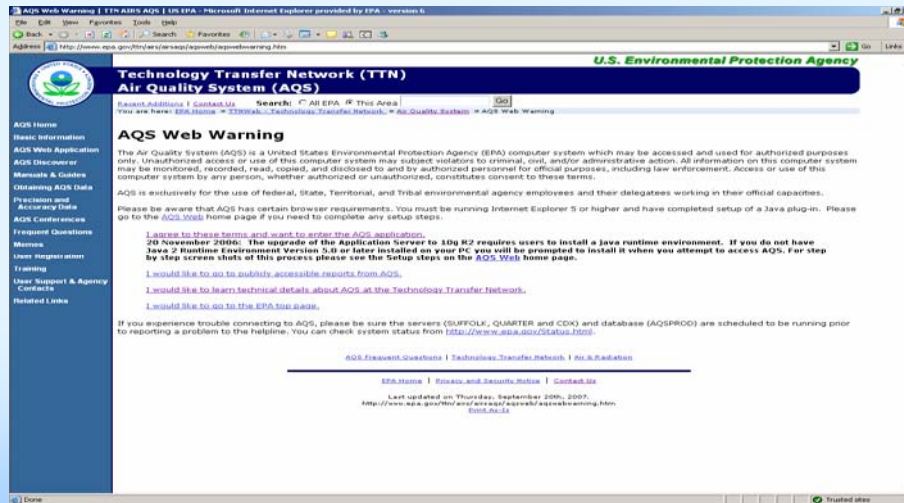
AQS Website or the EPA Technology Transfer Network Air Quality System Website is located at www.epa.gov/ttn/airs/airsaqs.

EPA TTN Website



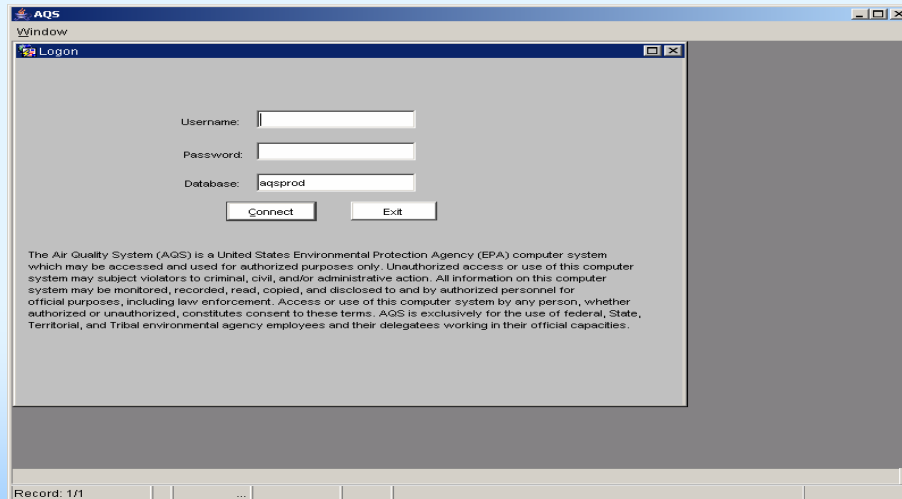
AQS Web can be accessed/launched from the AQS Website home page or from: <http://www.epa.gov/ttn/airs/airsaqs/aqsweb/aqswebhome.htm> by clicking on the "Proceed to AQS" box.

Warning Notice



Read the Warning Notice and if you agree to the terms click on “I agree to the terms and want to enter the AQS application”.

AQS Logon Screen

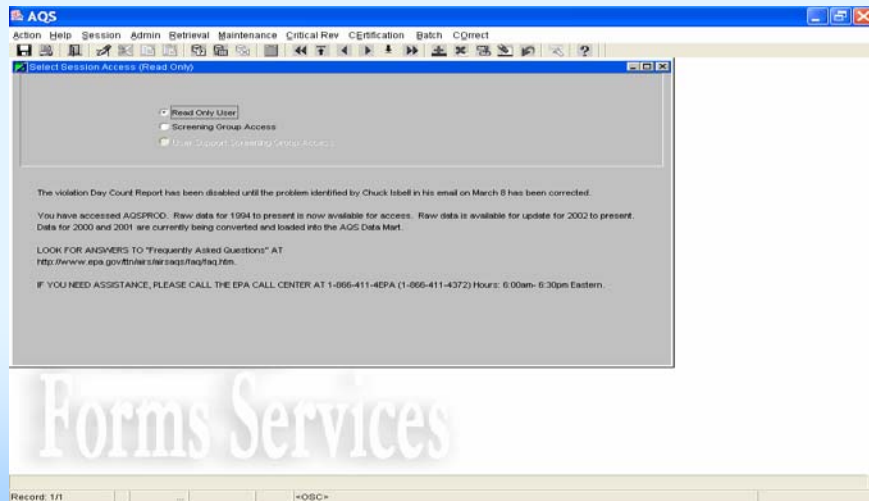
The image shows a screenshot of a web browser window titled "AQS". Inside the browser, there is a sub-window titled "Logon". The "Logon" window has a light gray background and contains the following elements: a "Username:" label followed by a text input field; a "Password:" label followed by a text input field; a "Database:" label followed by a text input field containing the text "aqspod"; two buttons, "Connect" and "Exit", positioned below the database field; and a block of small text at the bottom. The small text reads: "The Air Quality System (AQS) is a United States Environmental Protection Agency (EPA) computer system which may be accessed and used for authorized purposes 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 to and by 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. AQS is exclusively for the use of federal, State, Territorial, and Tribal environmental agency employees and their delegates working in their official capacities." At the bottom of the browser window, there is a status bar that says "Record: 1/1".

You should then receive the AQS logon screen. Enter your 3-character user-id in the username field and your password in the Password field. The default "Database" id, AQSPROD (short for AQS Production) is already entered for you. Then click on Connect or hit your Enter key.

The logon screen displays the required EPA security warning. You can bookmark this page and come directly here without going to a security warning page first.

The logon screen also detects if your password has expired and will allow you to update your password if it has expired.

Session Access Screen

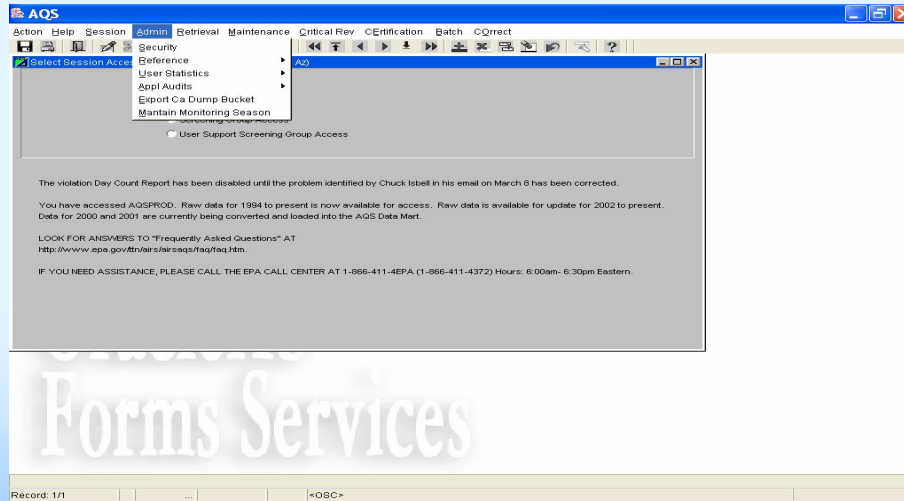


Select either Read Only or your Screening group from the Session Access Screen.

The bottom half of this screen contains AQS outage notices, problem alerts, and informational messages.

Maximize your outer window. This will prevent drop down lists from being truncated.

Admin/Security



You can change your password by clicking on Admin from the main menu and then Security.

Administration – Application Security Profile Screen

AQS

Action Help Security Reference User Statistics Appl Audits Export Ca Dump Bucket Main Menu

Administration - Application Security (Read Only)

User Profile Maintain Roles Open History

First Name: PAMELA Initial: Last: MCINTYRE
Phone: 919 767 7151 Street Address 1: CSC/Excel MGMT Sys, Bldg Street Address 2: 79 TW Alexander Dr.
Zip Code: 27711 City: Research Triangle Park State Code: 37
County Code: 063 User ID: PDF User Type: C Agency Code: 1108
Status Ind: P AQS Contact: N EPA Region Code: 04
E Mail: mcintyre.pamela@epamail.e

Change Your Oracle Passwords

AQS New Password: Confirm password:
CDX Current CDX Password: Synchronize CDX

Enter the user's First Name.
Record: 1/1 <OSC>

To change your AQS password, enter your new password on the left side in the AQS “New Password field” and in the “Confirm password” field on the right. Then click on OK.

After changing your AQS password or synchronizing your CDX password, you must logout of the application and back in again.

To Synchronize CDX with your AQS password: enter your current CDX password in the “Current CDX password” field and click on Synchronize. You should receive a pop up informing you the change was successful.

Passwords should be a minimum of 8 characters long, include a number (but not in the first position), and not include any special characters. You can't use dictionary words as part of the password and your user-id followed by numbers is also not allowed)

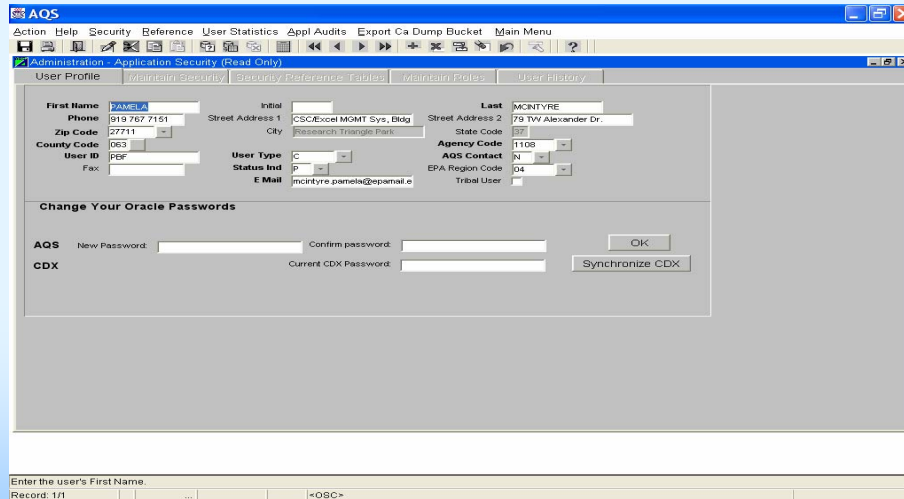
Administration – Application Security Profile Screen

Keep your user profile information up to date; especially your email address. Your batch jobs and any messages sent by NADG will be sent to this email address.

Tribal user setting can be checked here and each time you access the application you will be in Tribal mode until you change it.

Tribal mode can also be turned on/off from the Action menu, however, when it is set in this manner it will only remain active for the current session.

Administration – Application Security Profile Screen

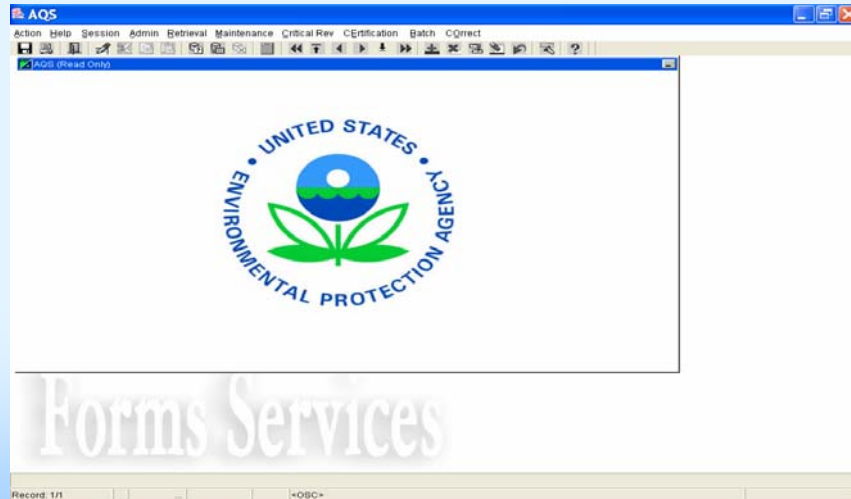


The screenshot shows the AQS (Application Security) interface. The title bar reads "AQS". The menu bar includes: Action, Help, Security, Reference, User Statistics, Appl Audits, Export Ca Dump Bucket, and Main Menu. The breadcrumb trail is: Administration > Application Security (Read Only). The "User Profile" tab is selected, showing fields for: First Name (PAMELA), Initial (), Last (MCINTYRE), Phone (919 767 7151), Street Address 1 (CSC/Excel MGMT Sys, Bldg), Street Address 2 (79 TW Alexander Dr.), Zip Code (27711), City (Research Triangle Park), State Code (37), County Code (063), Agency Code (1108), User ID (PDF), User Type (C), AQS Contact (N), Status Ind (P), EPA Region Code (04), E Mail (mcintyre.pamela@epamail.e), and Tribal User (). Below these is a "Change Your Oracle Passwords" section with fields for AQS New Password, AQS Confirm password, CDX Current CDX Password, and a Synchronize CDX button. At the bottom, there is a status bar with "Enter the user's First Name.", "Record: 1/1", and "<OSC>".

Because not all menu items are available on all screens, you may need to select the Main Menu and then the actual menu selection you want from there.

In this example, there is no Session item on the menu. So click on Main Menu and then....

AQS Main Menu



This is the Main Menu which has the EPA Logo. You can now click on Session from the Main Menu.

Session Screen

The screenshot shows a web application window titled "AQS" with a menu bar containing: Action, Help, Session, Admin, Retrieval, Maintenance, Critical Rev, Certification, Batch, and CQrect. Below the menu is a toolbar with various icons. The main content area is titled "Select Session Access (Read Only)" and contains three radio buttons: "Read Only User" (selected), "Screening Group Access", and "User Request Screening Group Access...". Below these options, there is a text block with the following information:

The violation Day Court Report has been disabled until the problem identified by Chuck Isbell in his email on March 8 has been corrected.

You have accessed AQSPROD. Raw data for 1994 to present is now available for access. Raw data is available for updates for 2002 to present. Data for 2000 and 2001 are currently being converted and loaded into the AQS Data Mart.

LOOK FOR ANSWERS TO "Frequently Asked Questions" AT:
<http://www.epa.gov/ttn/air/star/aqs/faqfaq.htm>

IF YOU NEED ASSISTANCE, PLEASE CALL THE EPA CALL CENTER AT 1-866-411-4EPA (1-866-411-4372) Hours: 6:00am- 6:30pm Eastern.

At the bottom of the window, there is a status bar showing "Record: 1/1" and a button labeled "OSBC".

Here is the session screen again where you can select your type of access.

Session Access Screen

The screenshot shows the AQS (Air Quality System) interface. The main window has a menu bar with 'Action', 'Help', 'Session', 'Admin', 'Retrieval', 'Maintenance', 'Critical Rev', 'Certification', 'Batch', and 'Correct'. Below the menu bar is a toolbar with various icons. The main content area is titled 'Select Session Access (Read Only)'. It contains a checkbox for 'Read Only User' and a table with two columns: 'Name' and 'Type'. The table has one row with 'USER_SUPPORT' and 'OTHER'. Below the table is an 'OK' button. To the left of the table, there is text: 'The violation Day Count', 'You have accessed Air Data for 2000 and 2001', 'LOOK FOR ANSWERS', 'http://www.epa.gov/ttr', and 'IF YOU NEED ASSISTANCE'. To the right of the table, there is text: 'corrected.', 'for 2002 to present.', and '30pm Eastern.'.

The group to which a user belongs.

Name	Type
USER_SUPPORT	OTHER

Record: 1/1

Selecting screening group access will display a pop-up list of the screening groups you are authorized for. This screen is representative of user support access. Users do not get this pop up.

Session Access Screen

The screenshot shows the AQS (Air Quality System) interface. The main window has a menu bar with 'Action', 'Help', 'Session', 'Admin', 'Retrieval', 'Maintenance', 'Critical Rev', 'Certification', 'Batch', and 'CQCorrect'. Below the menu bar is a toolbar with various icons. The main content area is titled 'Select Session Access (Read Only)'. A dialog box titled 'Select a Screening Group' is open, prompting the user to 'Select a User Support Screening Group for this session:'. The dialog box contains a table with two columns: 'Name' and 'Type'. The table lists several screening groups, with 'ALABAMA' selected. The background of the main window shows some text, including 'The violation Day Count', 'You have accessed Air Data for 2000 and 2001', 'LOOK FOR ANSWERS', 'http://www.epa.gov/air', 'IF YOU NEED ASSISTANCE', 'corrected.', 'for 2002 to present.', and '30pm Eastern.'.

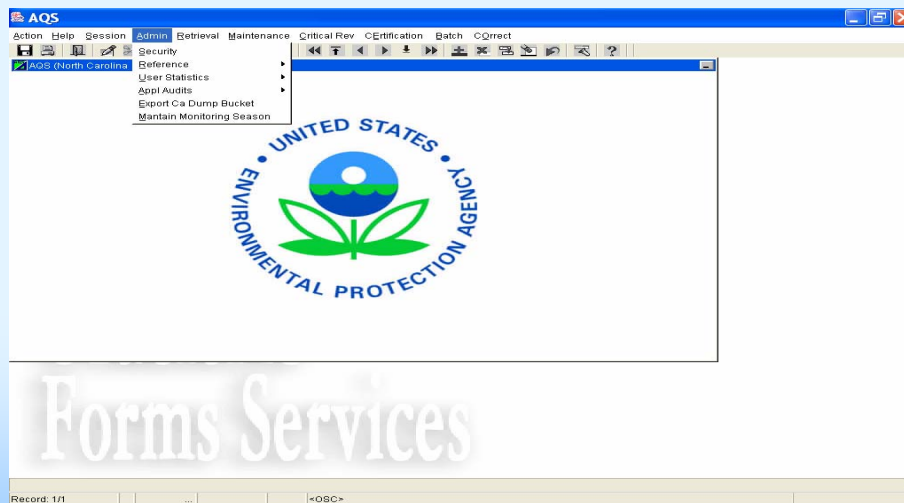
Name	Type
ALABAMA	STATE
ALABAMA TOXICS	STATE
ALASKA	STATE
ALL INDIAN PUEBLO COUNCIL, I	TRIBE
ALLEGHENY CO, PA	LOCAL
ANTELOPE AGMD, CA	LOCAL

OK

The group to which a user belongs. Record: 1/7 -> OSC >

Users will see a pop up similar to this one where they will select their screening group.

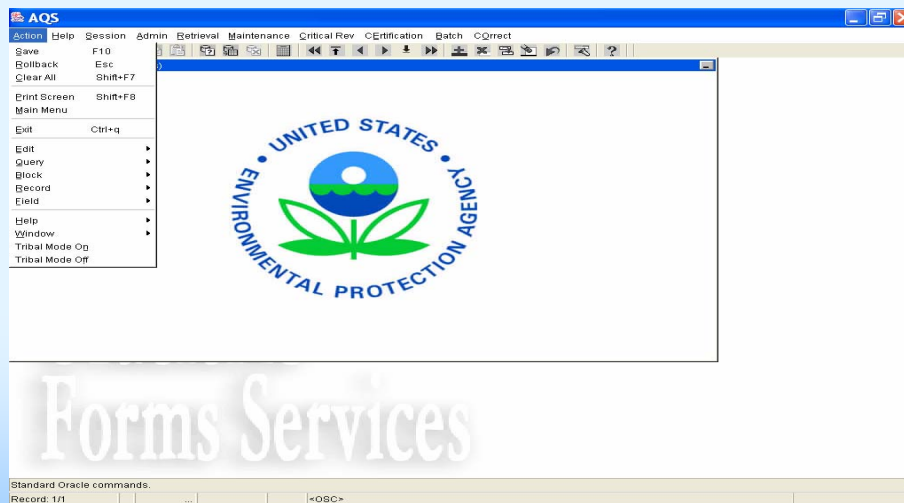
Admin Menu



Forms Services

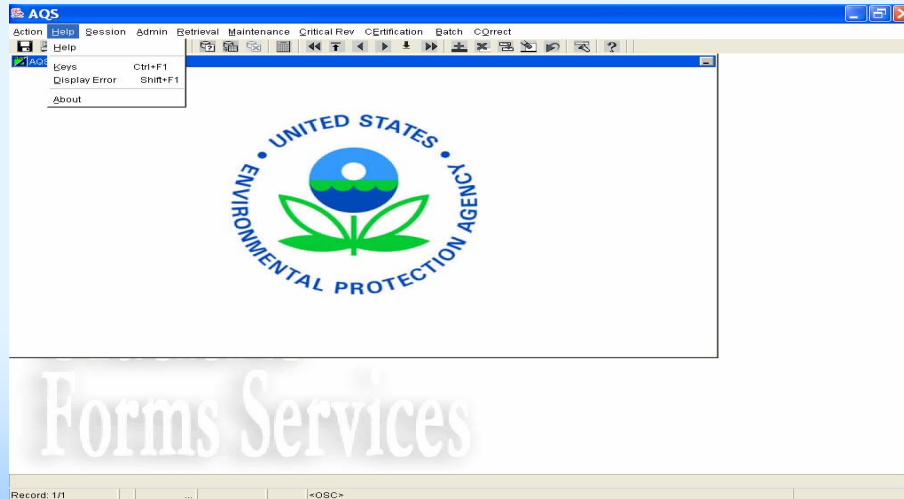
Most users will only need to access Security from the Administration menu.

Action Menu



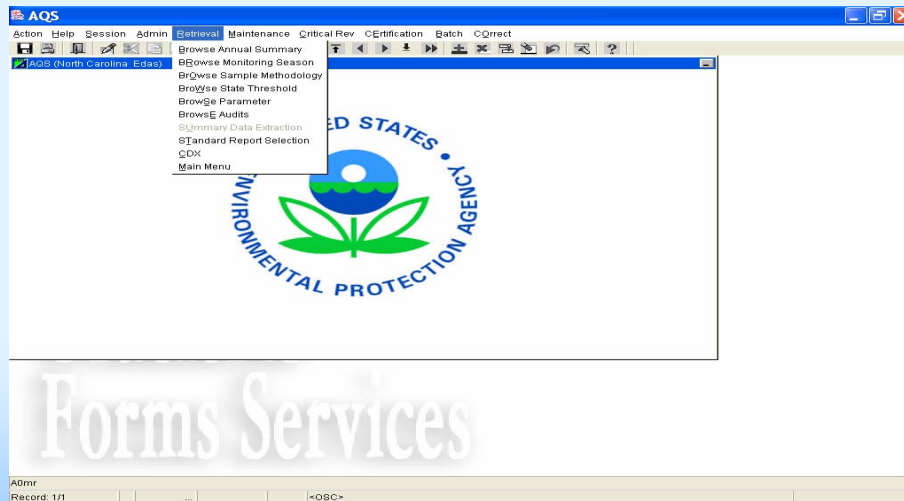
Most items on the Action Menu can also be performed on the toolbar. Again, you can also turn tribal mode on/off from the Action Menu.

Help Menu



AQS Online Help, Help for Keys and associated functions and Field Help is available.

Retrieval Menu



Standard Reports, Browse Sample Methodology and Browse Parameter are some of the selections available from the Retrieval menu.

Standard Report Criteria Selection Screen

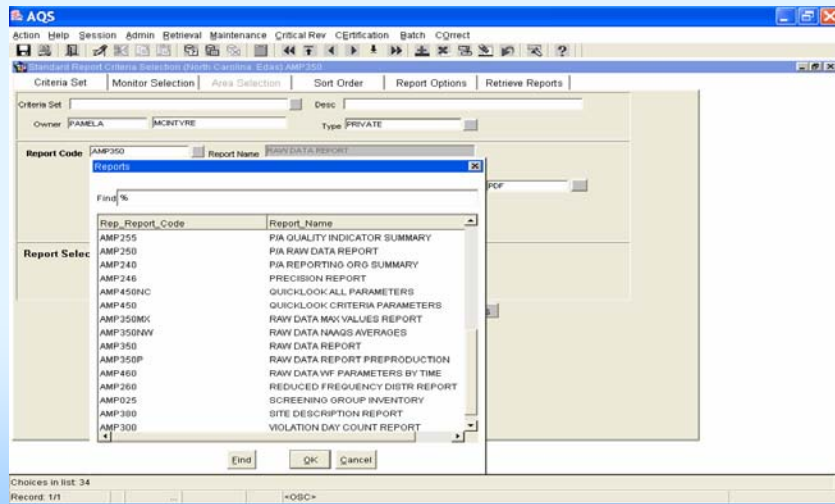
The screenshot shows the 'Standard Report Criteria Selection Screen' in the AQS application. The interface includes a menu bar, a toolbar, and a main window with several tabs. The 'Criteria Set' tab is selected, displaying fields for Criteria Set, Desc, Owner, MONTYRE, Type, Report Code, and Report Name. There are also checkboxes for Run Online, Send via Email, Send to CDX, REPORT, and WORKFILE, and a Print Format dropdown set to PDF. At the bottom, there are checkboxes for Monitor Selection (detail) and Area Selection, and two buttons: Generate Report and CDX to Retrieve Batch Reports. The status bar at the bottom indicates 'Record: 1/4' and '<HSC>'.

The standard report criteria selection screen is the interface for generating AQS Reports.

Criteria Set tab: You can select a saved criteria set from this drop-down list. Once you have successfully created a criteria set, you may save it to be executed again at a later time.

Information is required on the Criteria Selection and the Monitor or Area Selection screens.

Reports Drop-down Menu



Select the report you want from the Report Code drop-down list.

AMP350 Report Selected

The screenshot shows the AQS (Automated Quality System) interface for selecting the AMP350 report. The window title is "AQS" and the menu bar includes "Action", "Help", "Session", "Admin", "Retrieval", "Maintenance", "Critical Rev", "Certification", "Batch", and "Connect". The main window has tabs for "Criteria Set", "Monitor Selection", "Area Selection", "Sort Order", "Report Options", and "Retrieve Reports". The "Monitor Selection" tab is active. It contains fields for "Criteria Set" (empty), "Owner" (PAMELA), "Desc" (empty), and "Type" (PRIVATE). Below these are fields for "Report Code" (AMP350) and "Report Name" (AMP DATA REPORT). The "Report Outputs" section has three checkboxes: "Run Online" (checked), "Send via Email" (unchecked), and "Send to CDX" (unchecked). The "Report Selection Mode" section has two radio buttons: "Monitor Selection (detail)" (selected) and "Area Selection" (unchecked). At the bottom are two buttons: "Generate Report" and "CDX to Retrieve Batch Reports". A footer bar shows "Record: 1/1" and a "List of Valu..." button.

You can run a report online, send a report to your email address noted in your profile or send your report to your CDX inbox.

Monitor Selection (detail) is the default report selection mode. Selection criteria is specified on the Monitor Selection tab in this mode. If Area Selection is chosen, selection criteria is specified on the Area Selection tab.

Monitor Selection Tab

The screenshot shows the 'Monitor Selection' tab in the AQS application. The interface includes a menu bar, a toolbar, and a main content area with several sections for selecting criteria. The 'Site-Monitor Criteria' section contains a table with columns for State Code, County Code, Site ID, Parameter Code, POC Code, Method Code, Duration Code, Start Date, and End Date. The 'Global Report Criteria' section has fields for Pollutant Type, Parameter, Method Code, and Duration Code. The 'Global Date Range' section has fields for Start Date and End Date. The 'Global Screening Group' section has a dropdown menu. A 'Generate Report' button is located at the bottom of the main content area. A watermark 'Forms Services' is visible across the bottom of the window.

Site/Monitor Criteria – Selection criteria for the report is based on monitor specification.

If you use the global selection fields, they apply to all other selection criteria. Equivalent fields cannot be specified in both the Site/Monitor criteria section and the global sections.

You can have multiple rows of selections in each category except for “Global Screening Group”.

Sort Order Tab

The screenshot shows the 'Sort Order' tab in the AQS application. The window title is 'AQS'. The menu bar includes: Action, Help, Session, Admin, Retrieval, Maintenance, Critical Rev, Certification, Batch, CQrect. The toolbar contains various icons for file operations and navigation. The main window has tabs: Criteria Set, Monitor Selection, Area Selection, Sort Order (active), Report Options, and Retrieve Reports. The 'Sort Order' tab displays a table with columns: Order, Column Name, and Allowed Range. The table contains five rows of data. The first row is highlighted in blue. To the right of the table are two buttons: 'Move highlighted column up' and 'Move highlighted column down'. Below the table are two buttons: 'Generate Report' and 'Restore Report Defaults'. At the bottom of the window, there is a status bar with 'End Day: DD', 'Record: 1/1', and a '<OBC>' button.

Order	Column Name	Allowed Range
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

End Day: DD
Record: 1/1
<OBC>

Every report has a defined sort order.

Report Options Tab

The screenshot shows the 'Report Options' tab in the AQS software. The window title is 'Standard Report Criteria Selection (North Carolina Edas) AMP350'. The interface includes a menu bar (Action, Help, Session, Admin, Retrieval, Maintenance, Critical Rev, Certification, Batch, CQrect) and a toolbar. The 'Report Options' tab is active, showing several configuration options:

- RAW DATA EVENTS: INCLUDE EVENTS (dropdown)
- INCLUDE NULLS: YES (dropdown)
- DAILY STATISTICS: MAXIMUM (dropdown)
- MERGE PDF FILES: YES (dropdown)
- UNITS: STANDARD (dropdown)

Below these options is a section titled 'ALTERNATE STANDARDS' with a table:

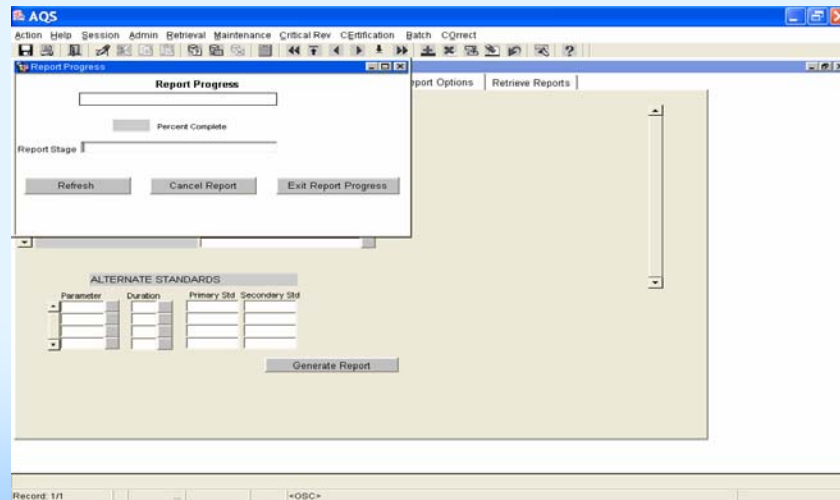
Parameter	Duration	Primary Std	Secondary Std

A 'Generate Report' button is located at the bottom right of the options section. At the very bottom of the window, a status bar displays 'Record: 1/1' and '<OSC>'.

On the Report Options screen you can change various options that can alter how the data is returned in the report. What options are available depends on the report.

The "Merge PDF Files" option is set to "YES" by default. For the Demo, this option is set to "NO".

Generate Report

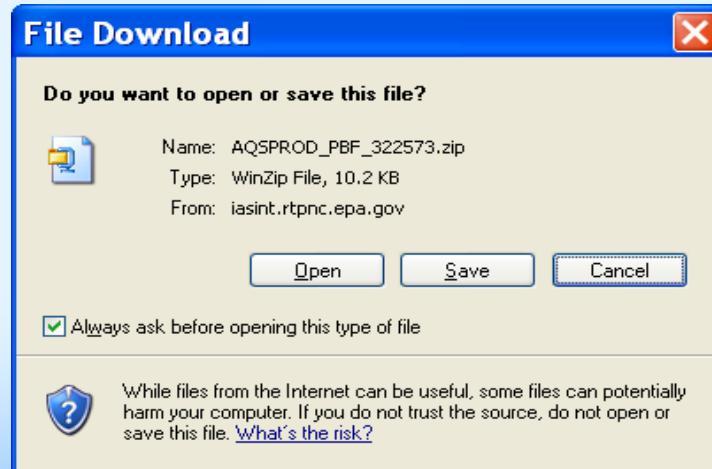


If running online, the **“Report Progress”** dialog box provides you with information regarding the current stage of the report and its percent completeness.

If you click on the **“Cancel Report”** button you will cancel the currently running report.

The **“Exit Report Progress”** button will take the report out of the “Run Online” mode. You can retrieve the report from the Retrieve Reports tab once it has completed.

File Download



Typically, the reports produce a zip file containing a PDF cover page with the report specifications and the formatted report and/or text workfiles. When the report is completed, the Windows file download dialog will be initiated.

Open with WinZip

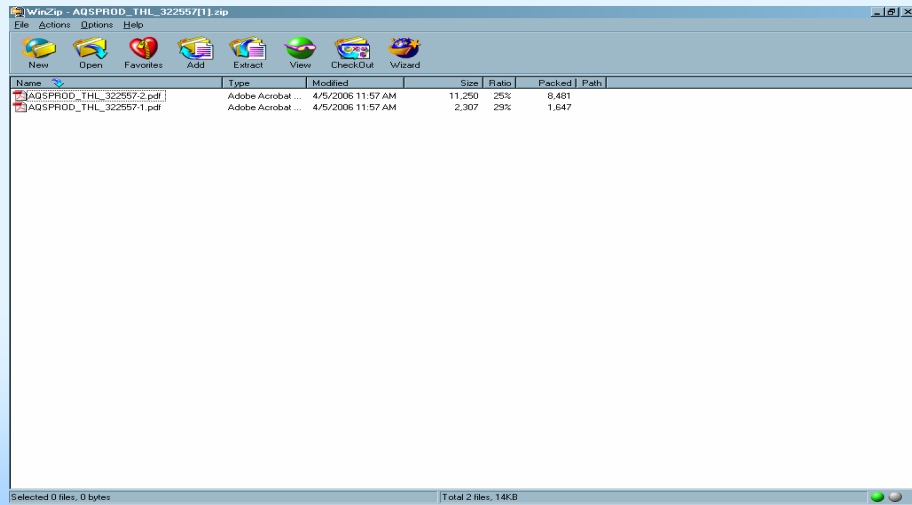


Illustration of selecting “**Open**” from the file download, with WinZip (in classic mode) the default program for .zip files.

Criteria Selections

Adobe Reader - [AQSPROD_PBF_322573-1.pdf]

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: PBF
Report Request ID: 322573
Report Code: AM950
Apr. 5, 2006

RAW DATA REPORT

State	County	Site	Parameter	POC	City	AQCR	UM	NIA	OMA	Region	Method	Duration	Begin Date	End Date
37	193	44101											2006-07-01	2006-07-31

GEOGRAPHIC SELECTIONS

Option Type	Option Value	CODE	CODE
INCLUDE RESULTS	YES	2	STATE_CODE
DAILY STATISTICS	MAXIMUM	3	COUNTY_CODE
SWTS	STANDARD	3	SITE_ID
RAW DATA OUTPUT	INCLUDE RESULTS	4	PARAMETER_CODE
INCLUDE PIV FILES	NO	5	POC

SELECTED OPTIONS

11 x 8.5 in 1 of 1

A PDF cover page that displays the report specifications is generated with each standard report. This report may be generated separately or “merged” with a PDF formatted output.

Raw Data Report (AMP350)

[illegible]

View of a formatted report.

Retrieve Reports Tab

The screenshot shows the 'Retrieve Reports' tab in the AQS application. The window title is 'AQS'. The menu bar includes: Action, Help, Session, Admin, Retrieval, Maintenance, Critical Rev, Certification, Batch, Connect. The toolbar contains various icons for file operations and report management. The main window has tabs: Criteria Set, Monitor Selection, Area Selection, Sort Order, Report Options, and Retrieve Reports (which is active). Below the tabs is a text input field labeled 'Retrieve reports for another user:' and a 'View Criteria' button. The main area contains a table with the following columns: User Id, Report Code, Request Type, Request Date, Report Stage, and %. The table lists four completed reports for user 'PEIF' with report code 'AMP350'. At the bottom of the table are four buttons: 'Retrieve Report', 'Refresh Query', 'Cancel Report', and 'Delete Report'. The status bar at the bottom shows 'Record: 1/4' and a dropdown menu set to 'H0BC'.

User Id	Report Code	Request Type	Request Date	Report Stage	%
PEIF	AMP350	REPORT	04/05/2006 12:10 PM	Completed	100
PEIF	AMP350	REPORT	04/05/2006 12:06 PM	Completed	100
PEIF	AMP350	REPORT	04/05/2006 11:12 AM	Completed	100
PEIF	AMP350	REPORT	04/05/2006 11:05 AM	Completed	100

You may also obtain the results of a previously run report by clicking on the **“Retrieve Reports Tab”**.

Reports will be available for 15 days.

Use the **“Retrieve Report”** button to retrieve a report that has completed.

“Refresh Query” updates the report list. This is useful if you have reports currently running.

“Cancel Report” is used when you would like to cancel a report that is currently running. It can only be used if the report was initially submitted to run online.

“Delete Report” is used to remove a report from the list of reports.

Maintenance Menu

The Maintenance Menu contains various selections for querying on various types of data.

When you access Maintenance you are in query mode (i.e. the data entered is recognized as query specifications). Click 'Execute Query' to run the query.

To enter data you must click on 'Cancel Query' first.

Maintenance Menu

The screenshot displays the AQS (Air Quality System) Maintenance Menu. The window title is "AQS". The menu bar includes: Action, Help, Site, Monitor, Audit, Event, Sample Values, PEcision, Accuracy, Blanks, Summary, Concurrence Ind, and Main Menu. The toolbar contains various icons for file operations and data management.

The main form is titled "Maintain Raw Data (North Carolina, Edas)". It features a "Raw Data" tab and a "Comments" tab. The form is divided into several sections:

- Header Section:** Fields for State, County, Site, Parameter, POC, Begin Date, End Date, and Standard Units.
- Table Section:** A table with columns: Raw Data, Mp ID, Date, Time, Stat, Reported, Standard, EPA, Action/Exclusion, Null, Data Code, Description, and Uncertainty Value. The table is currently empty.
- Qualifier Section:** Fields for Qualifier Code, Qualifier Desc, and Qualifier Type.
- Monitor Protocol Section:** Fields for Mp ID, Parameter, Method, Unit, Duration, Coll Frequency, and Alt Mtd.

At the bottom of the window, there is a status bar with the text: "Enter a query, press F8 to execute, Ctrl+Q to cancel." and "Record: 1/1".

You can type your query specifications or use the drop down list to make query selections from the list of values.

Maintenance Menu

AQS Maintenance - Raw Data (Read Only)

State: 37 County: 183 Site: 0014 Parameter: 61101 POC: 1 Begin Date: 20050701 End Date: 20050731 Standard Units: 013

Mp ID	Date	Time	Stat	Reported Sample Value	Standard Sample Value	EPA Ind	Action Ind	Exclusion Ind	Null Ind	Data Code	Description	Uncertainty Value
1	20050731	23:00	P	2	3							
1	20050731	22:00	P	0	3							
1	20050731	21:00	P	0	3							
1	20050731	20:00	P	6	1							
1	20050731	19:00	P	8	1.6							
1	20050731	18:00	P	5	1							
1	20050731	17:00	P	1.9	3.7							
1	20050731	16:00	P	1.7	3.3							
1	20050731	15:00	P	1.1	2.1							
1	20050731	14:00	P	1.2	2.3							

Qualifier Code **Qualifier Desc** **Qualifier Type**

Monitor Protocol

Mp ID: 1 Parameter: 61101 Method: 051 Unit: 011 Duration: 1 Coil Frequency: Alt Mdl:

Enter a State FIPS code that identifies one of the 50 states or other countries.

Record: 1/2 ... List of Valu... <OSC>

Here is the result of a sample query for state 37 (NC), county 183 (Wake), parameter 61101 (wind speed), begin date of 20050701 and end date 20050731. Note that the date format is YYYYMMDD. The data displayed is for the first monitor selected by the query.

On this screen note there are several sections: monitor identification, raw data, qualifier and the protocol. These are called blocks. You can use the next and previous block buttons to move from block to block.

Use the next and previous record buttons to move from record to record within a block. For example, clicking on next record while positioned in the monitor information block will display data for the next monitor selected by the query.

Batch

The screenshot shows the AQS Batch Process interface. At the top, there's a menu bar with options like Action, Help, Session, Admin, Retrieval, Maintenance, Critical Rev, Certification, Batch, and CQrect. Below the menu, there's a toolbar with various icons. The main area is titled "Batch Process (North Carolina: Edas)" and contains a "User Id" field and a "Refresh CDX" button. Below this, there's a section "Files from CDX ready to Load:" with a table showing file names and statuses. The table has columns for File Name and Status. Below this, there's a table with columns for Session Date, Oracle User Id, Session Status, Job Type, and File Name. The table lists several sessions with their respective dates, user IDs, statuses, job types, and file names. Below the table, there's a "Batch Jobs" section with buttons for "CDX", "Load File", "Submit Control Update", "Status CR", and "Post". There's also a "Batch Reports" section with buttons for "Edit Load Summary", "Edit Error Details", "Batch Reports", "Data Evaluation", and "Data Inventory". At the bottom, there's a status bar showing "Date of File uploaded through CDX" and "Record: 1/1".

Session Date	Oracle User Id	Session Status	Job Type	File Name
20060313 12:35	WFM	ERROR	FILE	fp25v4G05-3.txt
20060310 10:45	WVCB	COMPLETED	FILE	prec_25v4G05-1.txt
20060308 17:39	WVCB	COMPLETED	POST	
20060308 14:11	WVCB	COMPLETED	CRST	
20060308 13:10	WVCB	COMPLETED	FILE	NOozoner3.txt
20060308 11:51	WVCB	ERROR	ST_TABLES	

The Batch screen is where you submit jobs to process your data and where you run the associated reports for those jobs.

The Batch Jobs section lists jobs submitted for the last 30 days.

There is also a link to CDX on the Batch screen.

Correct Menu

The screenshot shows the AQS software interface. The 'Correct' menu is open, displaying options: Site Data, Monitor Data, Raw, Precision, Accuracy, Blanks, Composite, Annual Summary, and Delete by Screening Group. Below the menu, a table lists session data with columns for Session Date, Oracle User Id, Session Status, Job Type, and File Name. The table contains several rows, with some entries highlighted in blue. Below the table, there are buttons for 'Batch Jobs' (Load File, Submit Correct Data, Status CR, Post) and 'Batch Reports' (Edit Load Summary, Edit Error Details, Search Report, Data Evaluation, Move Data Inventory). At the bottom, there is a status bar showing 'A0mb2' and 'Record: 1/1'.

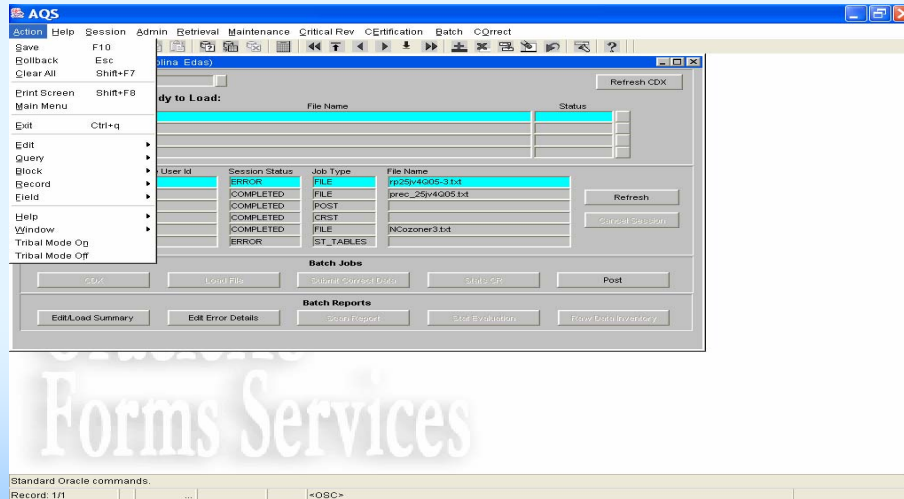
Session Date	Oracle User Id	Session Status	Job Type	File Name
20060313 12:35	WFM	ERROR	FILE	fp25v4G05-3.txt
20060310 10:45	WVCB	COMPLETED	FILE	prec_25v4G05-1.txt
20060308 17:39	WVCB	COMPLETED	POST	
20060308 14:11	WVCB	COMPLETED	CRST	
20060308 13:10	WVCB	COMPLETED	FILE	NCozone3.txt
20060308 11:51	WVCB	ERROR	ST_TABLES	

Errors from the load job will go into Correct (Staging Tables). The type of data will determine which area of Correct your data will be placed.

You can make corrections to your data in Correct and then resubmit the data using "Submit Correct Data" from Batch screen.

When you access Correct you are in query mode. Click on 'Cancel Query' to enter data.

Logging off AQS



You can exit AQS from the toolbar, depressing Ctrl+Q or clicking on the X on the outer window.

(Note: If you are in query mode, you will need to do either one of these functions twice to exit from the application).

Logging off AQS

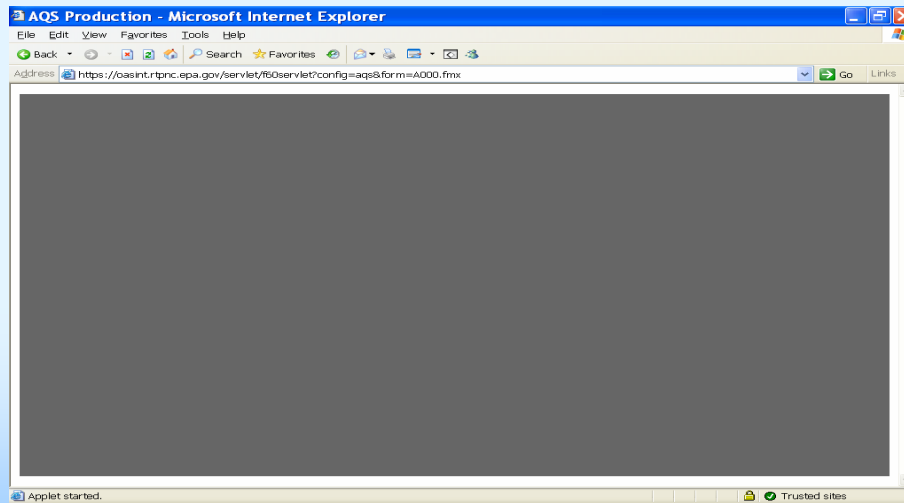
The screenshot displays the AQS (Air Quality System) application window. The title bar reads "AQS". The menu bar includes: Action, Help, Site, Monitor, Audit, Event, Sample Values, PEcision, Accuracy, Blanks, Summary, Concurrence Ind, and Main Menu. The toolbar contains various icons for file operations and data management. The main window is titled "Raw Data (North Carolina - Edas)" and has tabs for "Raw Data" and "Comments". Below the tabs are fields for "State", "County", "Site", "Parameter", "POC", "Begin Date", "End Date", and "Standard Units". A large table is visible with columns: "Raw Data", "Mp ID", "Date", "Time", "Stat", "Reported", "Standard", "EPA", "Action/Exclusion", "Null", "Data Code", "Description", and "Uncertainty Value". Below the table are fields for "Qualifier Code" and "Qualifier Desc". At the bottom, there is a "Monitor Protocol" section with fields for "Mp ID", "Parameter", "Method", "Unit", "Duration", "Coll Frequency", and "Alt Mtd". A small dialog box is open in the center, titled "Form", with a yellow warning icon and the text "Are you sure you want to exit?". It has three buttons: "Yes", "No", and "Cancel".

Forms Services

Enter a State FIPS code that identifies one of the 50 states or other countries.
Record: 1/1 ... List of Valu... <OSC>

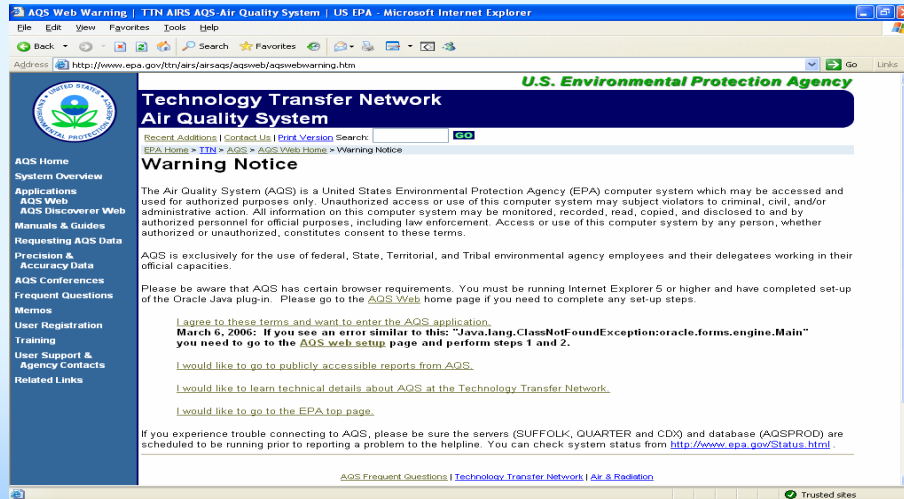
I will answer 'YES' to logout of the application.

Exit from Application



Click on the Back button to ...

Back to AQS Web



return to the AQS Web home page.

Accessing and Navigating within AQS End Demo



AQS Resources



AQS TTN Website

- Technology Transfer Network Air Quality System Home Page

<http://www.epa.gov/ttn/airs/airsaqs/index.htm>

This is the main AQS web page. The website is updated frequently.

AQS Resources Demo

All resources reviewed are available on the AQS Website.

EPA TTN AQS Homepage



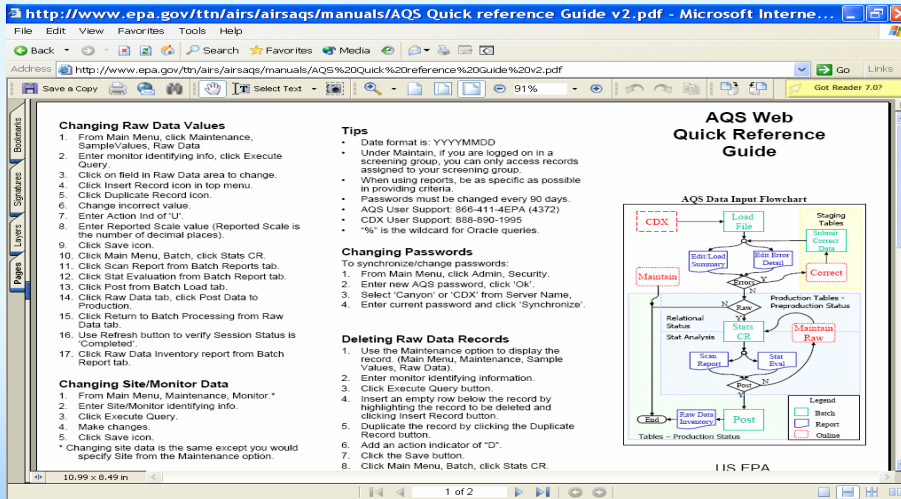
The Air Quality System Home Page.

AQS Web Application



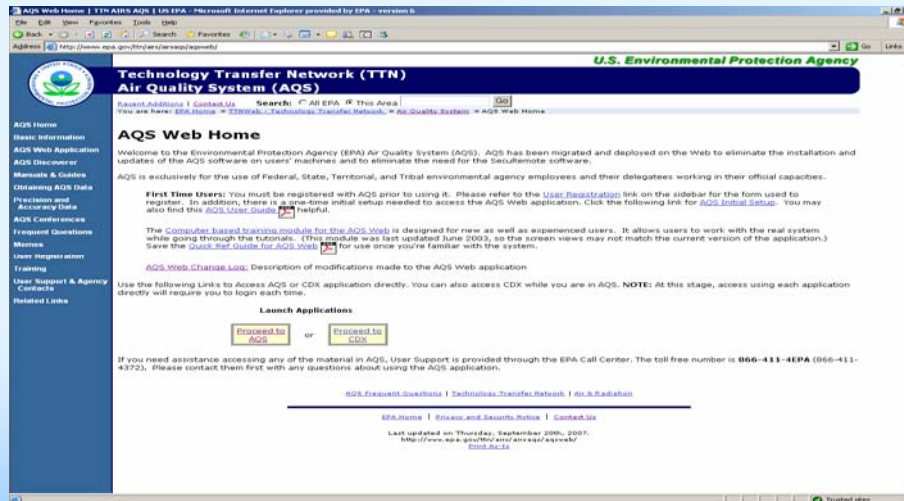
You can access the AQS Web Home Page by clicking on AQS Web on the sidebar. Here we have links for User Registration, AQS Web Application Setup, AQS User Guide, Computer Based Training for AQS Web, Quick Reference Guide (see next slide)

Quick Reference Guide



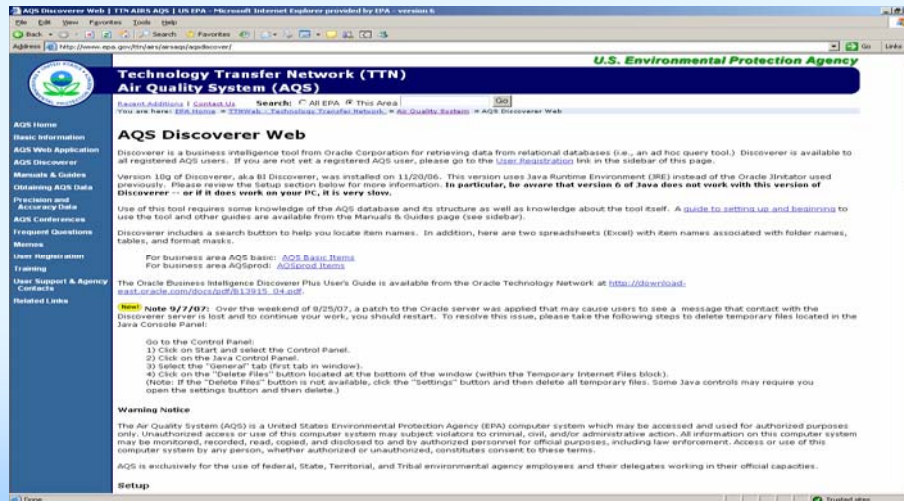
You may want to print this guide and keep it available at your desk.

Applications: AQS Web Home



Also from the AQS Web Application page you can access the [AQS Web Change Log](#) and at the bottom of the page you can access AQS under “Launch Applications”.

AQS Discoverer Web



AQS Discoverer - Oracle Discoverer is an ad hoc query tool. All registered AQS users have access to Discoverer.

Manuals and Guides

Manuals and Guides | TTN AQS | US EPA - Microsoft Internet Explorer provided by EPA - version 5

U.S. Environmental Protection Agency

Technology Transfer Network (TTN)
Air Quality System (AQS)

Search: All EPA | This Area | | You are here: [EPA Home](#) > [Technology Transfer Network](#) > [Air Quality System](#) > [Manuals and Guides](#)

Manuals and Guides

You will need Adobe Acrobat Reader to view some of the files on this page. See [EPA's PDF Page](#) to learn more about PDF, and for a link to the free Acrobat Reader.

[Quick Link](#)
[Description of basic AQS Codes](#)

Manual	File Name	File Type	File Size	File Date
AQS Data Coding Manual	AQS Data Coding Manual v2.21.pdf	Adobe Acrobat	1165Kb	5/18/07
AQS Data Dictionary	AQS Data Dictionary v2.12.pdf	Adobe Acrobat	1522Kb	6/20/06
Appendices for Data Coding Manual and Data Dictionary	Data Coding and Data Dictionary Appendices.pdf (This document is not being updated. Current codes are available within the AQS application. Most current codes are also available from the Selected AQS Code Detailed page or from the Reference tables in the AQS Query Tool .)	Adobe Acrobat	198Kb	5/1/04
AQS Discoverer Web User Guide	Draft: Chapters 1-3 from AQS Discoverer (These chapters describe how to set up for using Discoverer and how to create a new workbook.)	Adobe Acrobat	2323Kb	5/29/07
AQS Discoverer Items	AQS Basic Items in Folders with data type and format mask.xls	MS Excel	77Kb	3/27/07
	AQS Item Items in Folders with data type and format mask.xls	MS Excel	101Kb	3/27/07
AQS User Guide	AQS User Guide.pdf	Adobe Acrobat	4844Kb	
Covers Installation, Accounts, Data Input (Batch and Online), Maintenance, and Data Retrieval (Standard Reports)	AQS User Guide.doc (Some graphics may look clearer in MS Word version)	MS Word	4028Kb	1/23/06
AQS Data Retrieval Guide	AQS Data Retrieval Manual.pdf	Adobe Acrobat	1635Kb	10/21/05
AQS Precision and Accuracy Summarization Formulas - OMBU	Precision and Accuracy Summarization Formulas.pdf	Adobe Acrobat	328Kb	4/13/04
AQS Raw Data				

Trusted sites

Here is an online library of AQS Manuals and reference information.

Manuals and Guides

- **AQS User Guide**
- **AQS Data Coding Manual**
- **AQS Data Dictionary**
- **Appendices for Data Coding Manual and Data Dictionary**
- **AQS Data Retrieval Manual**

This is the AQS primary documentation set.

Manuals and Guides

- [Selected AQS Code Descriptions](#)
- [Acronyms and Abbreviations](#)
- [XML Schema for AQS](#)

The selected AQS code descriptions is a popular link which provides quick descriptions of various AQS codes.

AQS can accept data in XML format.

Precision and Accuracy Data

Technology Transfer Network (TTN)
Air Quality System (AQS)

Precision and Accuracy Data

The Air Quality System Precision & Accuracy Generator (AQSPbA) may be used to create AQS data input transactions for precision and accuracy data. This application works with the newer editions of Windows (2000, NT, XP).

AQSPbA is a stand-alone Excel workbook, intended to provide you with a simple way to create the two AQS data input transactions used for uploading accuracy data (Transaction type RA) and precision data (Transaction type RP). The transactions are created in the AQS format with vertical bar delimiters.

A [User Guide \(PDF\)](#) (134 pp, 1.11K, [About PDF](#)) for this approach is available from the "Manual and Guides" page.

Instructions:
Download the file for the US EPA Region in which your agency resides, e.g., AQSPbA RD1 v8.2.zip is the file for agencies in Region 1. Each file unzips to an Excel workbook file. (Refer to our "Tools" page if you need assistance with file types.)

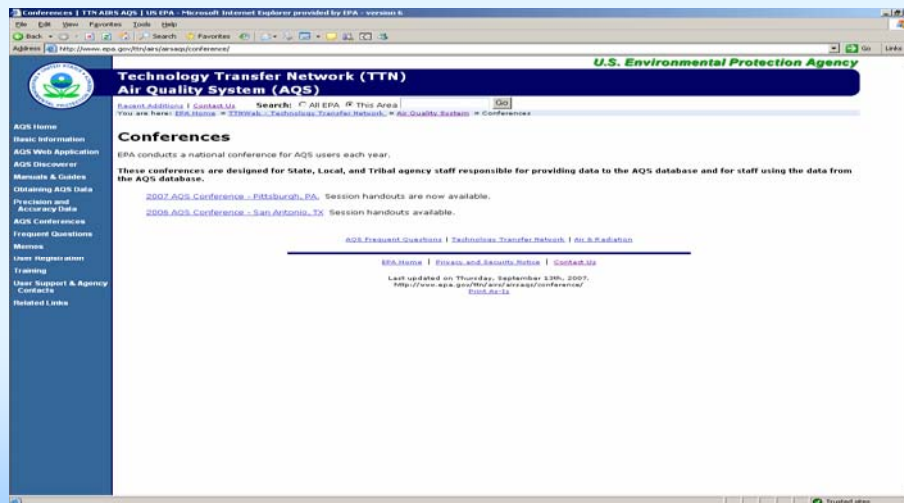
Region	File Name	File Size	File Date
1	AQSPbA RD1 v8.2.zip	2062K	10/10/07
2	AQSPbA RD2 v8.2.zip	1364K	10/10/07
3	AQSPbA RD3 v8.2.zip	1462K	10/10/07
4	AQSPbA RD4 v8.2.zip	1769K	10/10/07
5	AQSPbA RD5 v8.2.zip	1784K	10/10/07
6	AQSPbA RD6 v8.2.zip	1525K	10/10/07
7	AQSPbA RD7 v8.2.zip	1365K	10/10/07
8	AQSPbA RD8 v8.2.zip	1452K	10/10/07
9	AQSPbA RD9 v8.2.zip	1711K	10/10/07
10	AQSPbA RD10 v8.2.zip	1352K	10/10/07

Release Notes: [AQSPbA Versions \(PDF\)](#) (3 pp, 27K, [About PDF](#))

[AQSPbA Download](#) | [Technology Transfer Network](#) | [Risk Reduction](#)

You may want to access this link if you will be loading P/A data. Precision and Accuracy Transaction Generator and Precision and Accuracy Reporting System Software

AQS Conferences



EPA conducts a yearly conference. At this link you can obtain information about the conferences.

Frequent Questions



This is a collection of questions and answers which can be used for problem resolution.

There is a "Chart of other Error Messages not covered in the Data Coding Manual" in the error messages section.


Training

File Edit View Favorites Tools Help

Q Back Forward Stop Home Search

Address http://www.nc.gov/ncda/aqssearch.aspx

U.S. Environmental Protection Agency



Technology Transfer Network (TTN) Air Quality System (AQS)

Recent Additions | Get AQS Data | Search | All Areas | By This Area
You are here: EPA Home > TTN Portal > Technology Transfer Network > Air Quality System > Training

Training

AQS Home
Basic Information
AQIS Web Application
AQIS Discoverer
Manuals & Guides
Outstanding AQIS Data
Precision and Accuracy of Data
AQIS Conference
Frequent Questions
Home
User Registration
Training
User Support & Agency Contacts
Related Links

Generally, we conduct a few training classes during the year at our Research Triangle Park, NC facility or Regional Offices. These classes are scheduled as the need is identified. If you are looking for a class, you may also want to contact your EPA Regional Office, since they sometimes hold training classes that we may not be aware of at the national level. Another source of AQS training for tribal users is the Justicialia for Tribal Environmental Emissions Learning LITEC ("Justicialia").

For more information: Contact the AQS Regional EPA contact or the NADG staff.

Materials used in past training classes are available below. For additional material, please use the "Manuals and Guides" link in the sidebar.

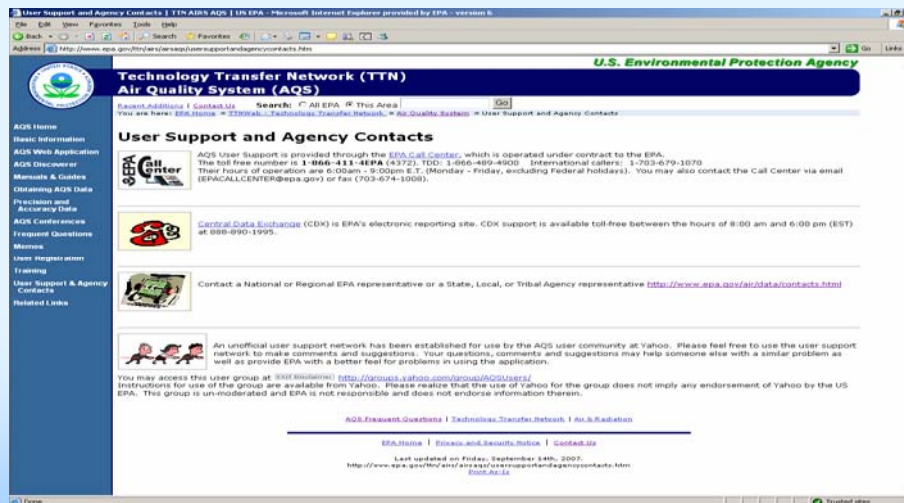
Material	File Name	File Type	File Size	Date/Time
AQS 101	AQS Basics.pdf (originally presented at 2002 AQS Conf. in Lawrence KY by David Lutz)	Adobe Acrobat	137KB	10/23/03
AQS New User Primer	AQSnew_user.ppt	Presentation (Microsoft PowerPoint)	5331KB	8/11/04
AQS New User Orientation	AQS_101.ppt	Presentation (Microsoft PowerPoint)	5.2M	8/17/02
Training Modules	AQS_classes.ppt (used at 2004 AQS Conf.) testdata.doc	pptppt	9614KB / 1731KB	6/9/04 / 6/9/04
Text Data for class	AQS class reference guide v2.pdf (9/9/03)	zip	61KB	6/9/04
Czech Reference	How to get an ID.pdf How to access AQS for the first time.pdf What your data should look like.pdf How to upload data through CDE.pdf How to enter hourly batch data.pdf	Adobe Acrobat	175KB / 441KB / 50KB / 501KB	2/7/02 / 2/7/02 / 2/7/02 / 2/7/02
"How to..." written and provided by Wendy McVendish in EPA Region 1 (bobusavil.wendy@epa.gov)	How to run reports in AQS for those who seldom do it.pdf	Adobe Acrobat	486KB	10/7/06
AQS Discoverer Web (Covers basics of setup and using Oracle Discoverer with AQS)	Chapters 1-3 from AQS Discoverer User Guide (These chapters describe how to set up for using Discoverer and how to create a new report.) Course Objectives and Outline Core Structure AQIS Database Structure Customization SQL Basics SQL Examples II SQL Examples I AQIS Explorer (from 2005 Conf) Discoverer Web version (from 2005 Conf) All documents and Powerpoint presentations zipped together in a file	Adobe Acrobat	232KB	5/29/07
Advanced AQS Training (Jonathan Miller)	Database Structure Excel Test AQIS Explorer (from 2005 Conf) Discoverer Web version (from 2005 Conf) Ziped	Adobe Acrobat	318B / 326B / 125KB / 423B / 461B / 1993B	8/30/05 / 8/18/05 / 7/30/06 / 7/25/06 / 6/30/05 / 6/27/05 / 6/28/05
			9147KB	8/30/05

Stratified sites

Here you find information on classes and available training as well as training materials.

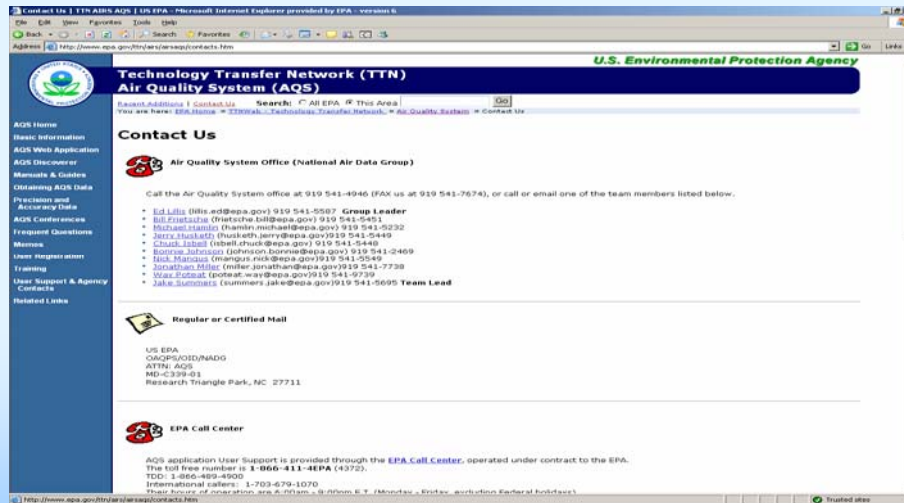
Contact your EPA Regional office contact for any training requests.

User Support and Agency Contacts



Contacts: AQS User Support, National or Regional EPA, State, Local, Tribal Representatives, and NADG staff.

Contact Us



Click on the 'Contact Us' link and the AQS Team contact information can be found here.

Related Links



Provides more sources for Air Quality and Air Monitoring information and data.

Also Note:



New User Registration AQS Application and registration information

AQS Codes references the selected AQS Code Descriptions

Data Files link contains over 100 files of detail AQS data available to the public.

Recent Additions contains a log of changes made to the AQS website.

AQS Resources


End Demo



User Support



User Support

- Level 1 (EPA Call Center)
 - Level 2 (Client Services)
 - Level 3 (Database Services)
 - CDX (Central Data Exchange) Helpdesk
 - NADG (National Air Data Group)
 - Other Contacts and Support Resources
- 

First Level Support

Level 1 (EPA Call Center)

- Your first line of defense
- Responsibilities
 - Take your call
 - Open a ticket with a tracking number
- Resolve general problems such as:
 - Reset passwords
 - Basic AQS Application Problems
- Transfer unresolved problems

1-866-411-4EPA (Hours 6 AM - 9 PM ET) Excluding Federal Holidays
Email: epacallcenter@epa.gov

The EPA Call Center is your initial contact. Provide the Call Center with a precise description as possible of the problem you are experiencing.

Second Level Support

➤ **Level 2 (Client Services)**

- **Primary Support for AQS**
- **Provides New User Orientation**

Hours: Monday – Friday 8:00 AM – 6:30 PM ET
Excluding Federal Holidays

Third Level Support

Level 3 (Database Support Services) DBSS

- **Registers users under AQS Oracle Account**
- **Primary support for the Oracle Database environment**

DBSS is contacted by Client Services regarding any application problems as reported by the AQS customer community

CDX Support

CDX (Central Data Exchange)

- File transfers
- Registration
- Password Resets
- Mailbox Issues

Hours Monday – Friday 8 AM – 6 PM ET

1-888-890-1995 Email: epacdx@csc.com

CDX is used to transfer data to the AQS application. CDX Helpdesk provides support for file transfer problems prior to reaching the AQS application.

When in doubt....

If you are unsure who to call.....

Contact the EPA Helpdesk

(EPA Call Center)

1-866-411-4372 (4EPA)

Email: epacallcenter@epa.gov



EPA NADG

National Air Data Group (NADG)

- User Registration (Build User Profiles)
- Assign Screening Groups
- Provides Reference Table Updates
- Data Questions/issues/policies/regulations, etc.
- Data Requests

EPA NADG (AQS Team) are the owners of the AQS Application. Client Services reports application problems to NADG.

Other Contacts & Support

AQS Regional Contacts

**Provide guidance on data
reporting policies and
procedures for their region**

AQS Regional Contacts can provide you with information about your data and the policies and procedures you should follow.

A list of AQS Regional contacts can be found from the AQS Homepage by clicking on the “Contacts” link.

Other Contacts & Support

- AQS Users Chat Group
<http://groups.yahoo.com/group/AQSUsers>
- Annual AQS Conference

The AQS Users Chat Group promotes interaction between AQS (federal, state, local, tribal) users.

Conclusion:

- The **EPA Call Center** is your resource for reporting AQS problems. There are times when it is more appropriate to contact your EPA Regional Office Contact or the EPA staff at RTP, but when in doubt contact the Call Center.
- The Call Center can be reached at 1-866-411-4372 or by Email at epacallcenter@epa.gov
- EPA TTN AQS Website:
<http://www.epa.gov/ttn/airs/airsaqs/>

Evaluation

We need your feedback.

Please take a moment to answer the poll.



When the orientation ends you will be returned to the AQS Website.

AQS New User Orientation

Thank you for attending

