



Volume 5

Audit Procedures Manual

Appendix AK

Audit Information System



Users Manual

Monitoring & Laboratory Division

December 2005

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AK.1 MAIN MENU

After logging into the program, you will be directed to the Main Page as shown in Figure 1.1. The options are briefly described below. For in-depth directions to some of the options on the main menu, see the appropriate section.

AK.1.1 SELECT SITE DATA

This takes you to a search tool to find any of the air monitoring sites in California. Choose this option to find the site you are going to audit or to find information about a site. See Section AK.2.

AK.1.2 EDIT OPEN AUDITS

This takes you to a list of audits that you have open. You can only select audits that you performed. Choose this option to make any changes to an audit.

AK.1.3 GET YOUR AUDIT STATISTICS

This option will provide you a list of every audit that you have performed.

AK.1.4 CHANGE LOGIN STATUS

This allows you to switch your status between Auditor and Full Status if applicable.

AK.1.5 CHANGE PASSWORD

This allows you to change your password to login to the program.

AK.1.6 LOG OUT

Logs you out of the system. Choose this when you are done with your session.

AK.1.7 BROWSE DATABASE

This allows you to search the QA database that makes up the Audit Information System. See Section AK.3.

AK.1.8 REPORT GENERATOR

This takes you to a query menu with a variety of options. These can be selected for information/a report on any of the options. See Section AK.

AK.1.9 VIEW STANDARDS FILES

From here you can check the standards files for any of the vans by year and quarter. When selecting this option you will be directed to a page with a drop-down menu where you select which van you want to view the standards for. Then click "Go". Then choose the actual standards file from the drop-down menu. The format is Van : Year : Quarter :. After choosing the file, it is then displayed.

AK.1.10 CREATE CUSTOM SITELIST

This allows you to create a site list of air monitoring stations from a variety of parameters. See Section AK.5.

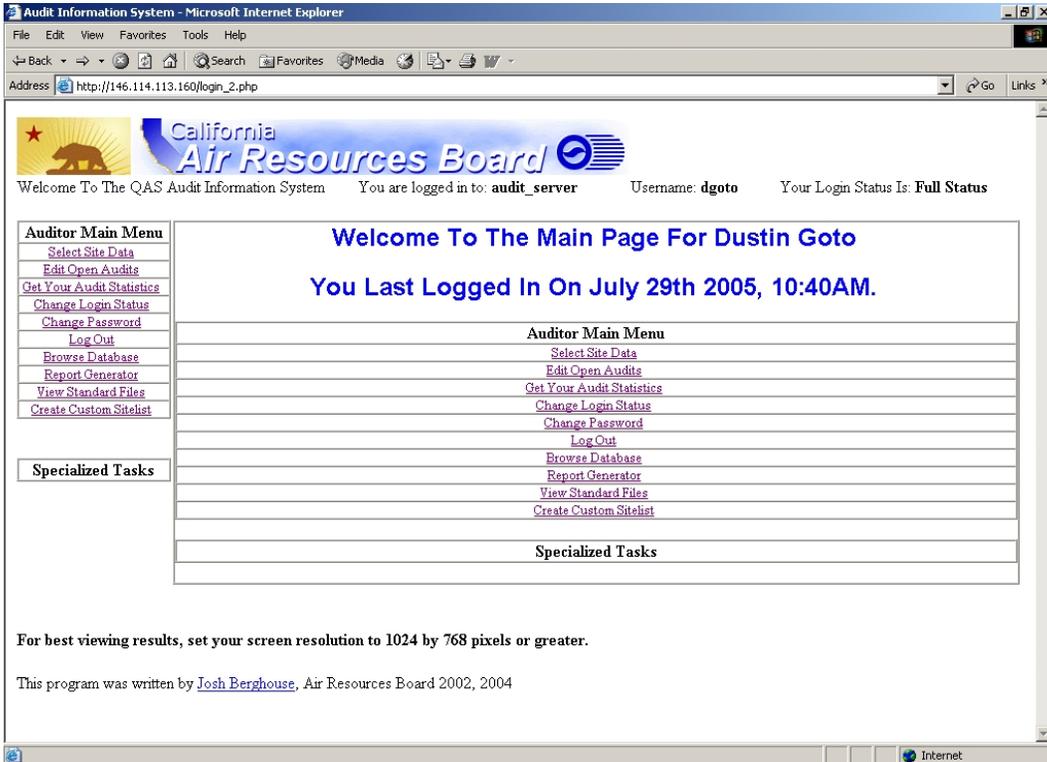


Figure 1.1 Audit Information System Main Menu

AK.2 SELECTING SITE DATA

When selecting this option you will be directed to a page with three maps of California as shown in Figure 2.1. You can click on each map to browse by basin, county, or district respectively. You can also get data for a specific site by keying in the ARB Number, AIRS Number, or the Site Name. By clicking the “Get Site Data” button without keying in anything will generate a list of all the sites.

When browsing for sites through the basin, county, or district maps you can simply click on the basin/county/district on the map and it will bring up a list of all the sites within that jurisdiction as shown in Figure 2.2.

AK.2.1 DATA ACCESS SCREEN

Upon clicking on a specific site, you will get the Audit Data Access Screen for the site as shown in Figure 2.1.1 and 2.1.2. From this menu you can view and edit past audit data, perform an audit, get a printable site dossier, view site photos (by year), and view, edit, and issue AQDA’s for the site.

AK.2.2 SITE DOSSIER

Clicking on the “Get Dossier” button from the Data Access Screen gives you a map and a plethora of site information as shown in Figure 2.2.1. The table at the bottom of the screen shows what instruments AQS is actively receiving data from for record.

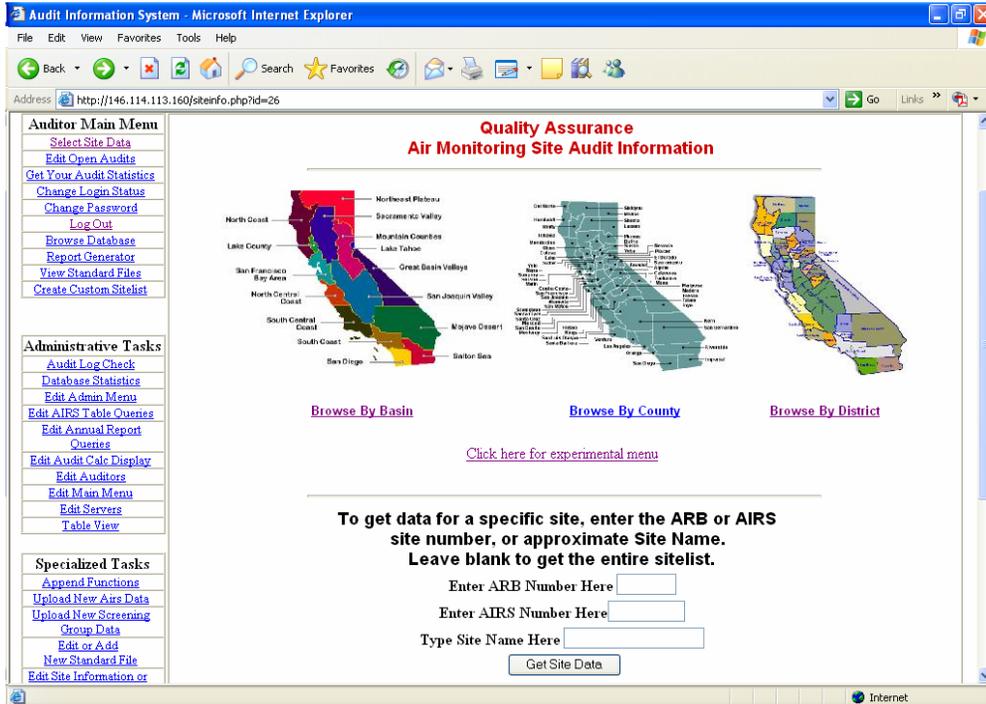


Figure 2.1 Select Site Data Menu

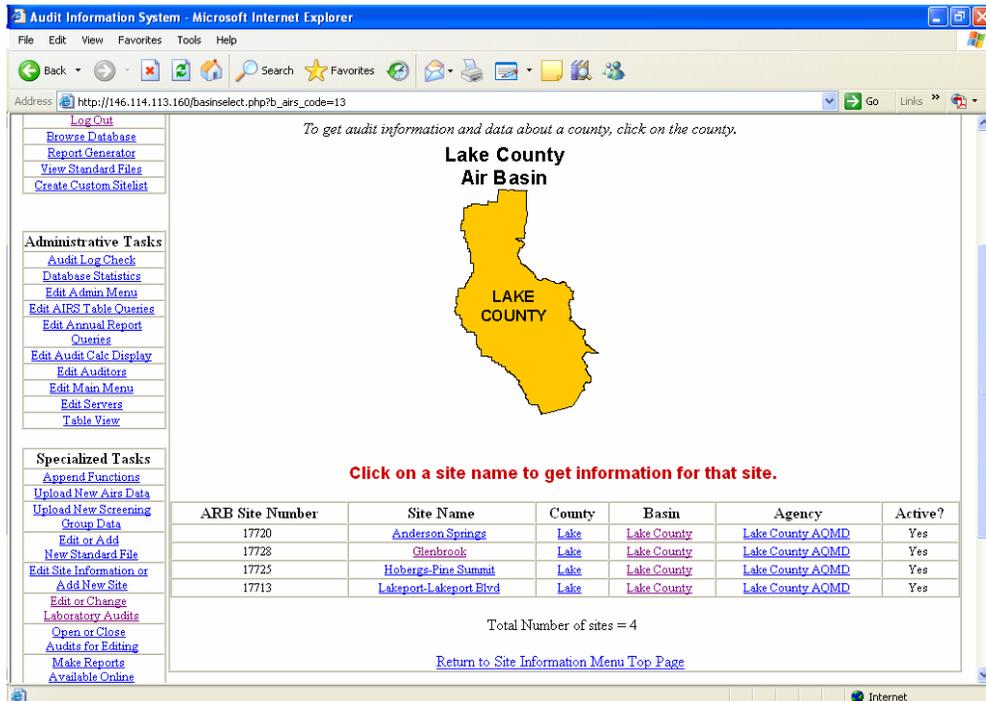


Figure 2.2 Site List by Jurisdiction

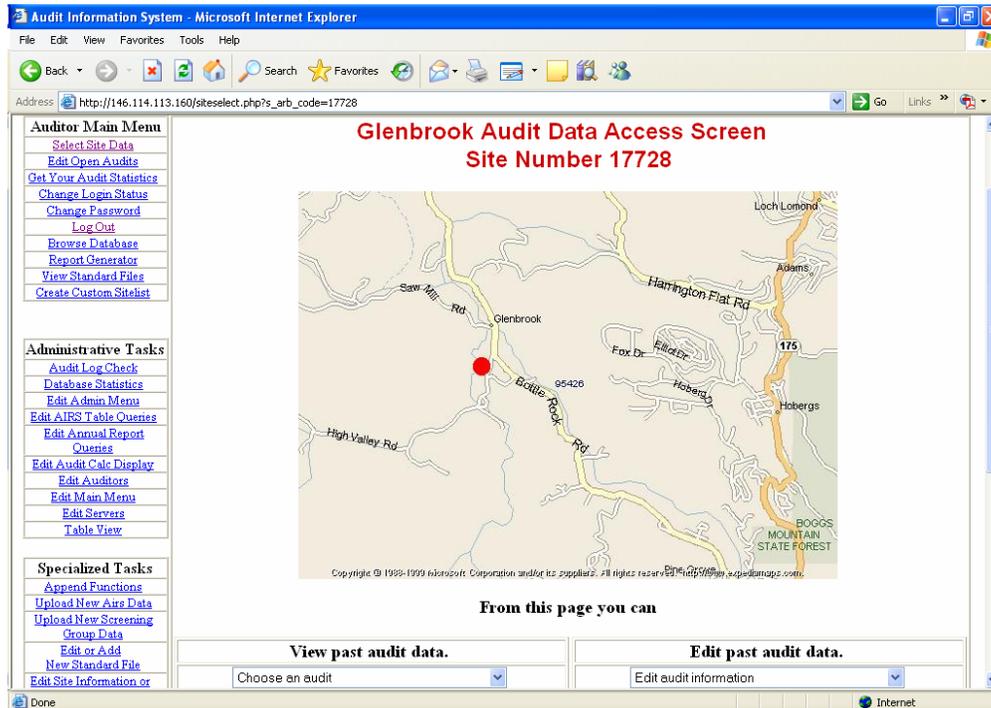


Figure 2.1.1 Data Access Screen

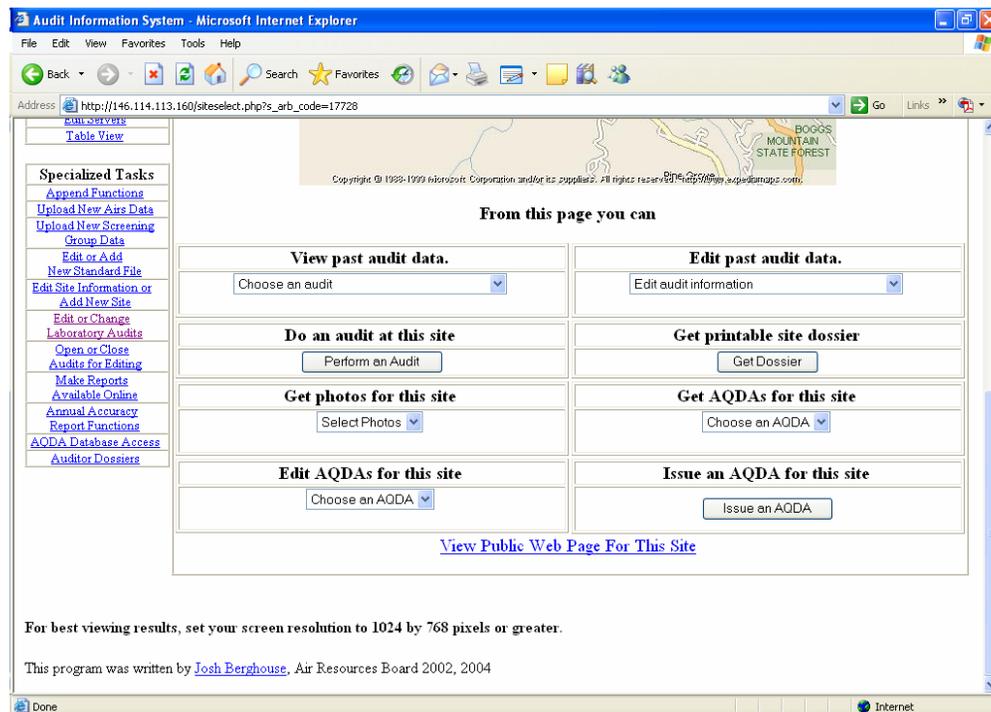


Figure 2.1.2 Data Access Screen Continued

http://146.114.113.160/airs_audit_print.php - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address http://146.114.113.160/airs_audit_print.php

AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code		
060333011	17728	8/1/83	Lake County AGMD (026)		

Site Address	County Location	Air Basin	Latitude	Longitude	Elevation
High Valley Road, Cobb CA 95426	Lake	Lake County	38° 50' 55"	122° 45' 28"	736

Contact Person	Phone Number	Email Address	Supervisor Name
Elizabeth Knight	(707) 263-7000	lcagmd@lcagmd.net	Robert Reynolds

Directions/Remarks/Comments

* From 175 to town of Cobb * Bottle Rock Rd. exit * Turn onto High Valley Rd. * Pass kiosk * Take first dirt road on right (C.A. Wilcox residence) * Site is on left (park on turnaround road)

What The QA web site shows the site has

Parameter

H₂S, Partisol, Outdoor Temperature, Relative Humidity, Wind Direction, Horizontal Wind Speed

What AIRS shows the site has as of October 13, 2005 03:20:59 PM (only active parameters shown)

Parameter	POC	Monitor Type	Method	Objective	Scale	Sampling Interval	Unit	Reporting Org	Start Date
Hydrogen Sulfide	1	INDUSTRIAL	INSTRUMENTAL	OTHER	NEIGHBORHOOD	1 HOUR	PARTS PER MILLION (PPM)	California Air Resources Board	01-Aug-1983
Wind Speed	1	OTHER	INSTRUMENTAL	OTHER	-	1 HOUR	MILES/HOUR	California Air Resources Board	01-Jan-1986
Wind Direction	1	OTHER	INSTRUMENTAL	OTHER	-	1 HOUR	DEGREES, COMPASS	California Air Resources Board	01-Jan-1986
Outdoor Temperature	1	OTHER	INSTRUMENTAL	OTHER	-	1 HOUR	DEGREES, FAHRENHEIT	California Air Resources Board	01-Jan-1986
Dew Point	1	OTHER	INSTRUMENTAL	OTHER	-	1 HOUR	DEGREES, FAHRENHEIT	California Air Resources Board	01-Jan-1986
Relative Humidity	1	-	-	OTHER	-	-	PERCENT REL HUMIDITY	California Air Resources Board	01-Jan-1986

[Click for Complete AIRS Information \(Includes all parameters, open and closed.\)](#)

Done Internet

Figure 2.2.1 Site Dossier

AK.3 BROWSE DATABASE

When selecting this option you will be directed to a page with a list of databases as shown in Figure 3.1. If you know the specific database and table you would like to view you can enter it in the text fields and click “Show Me” to display.

Otherwise, first select a database. It will then display the tables in that database. After selecting a table a screen will display showing the fields that make up the table as shown in Figure 3.2. You can then click on “Browse Table” to view the data from that table. You can also press the “Get Excel Dump” button to view the table in an excel file.

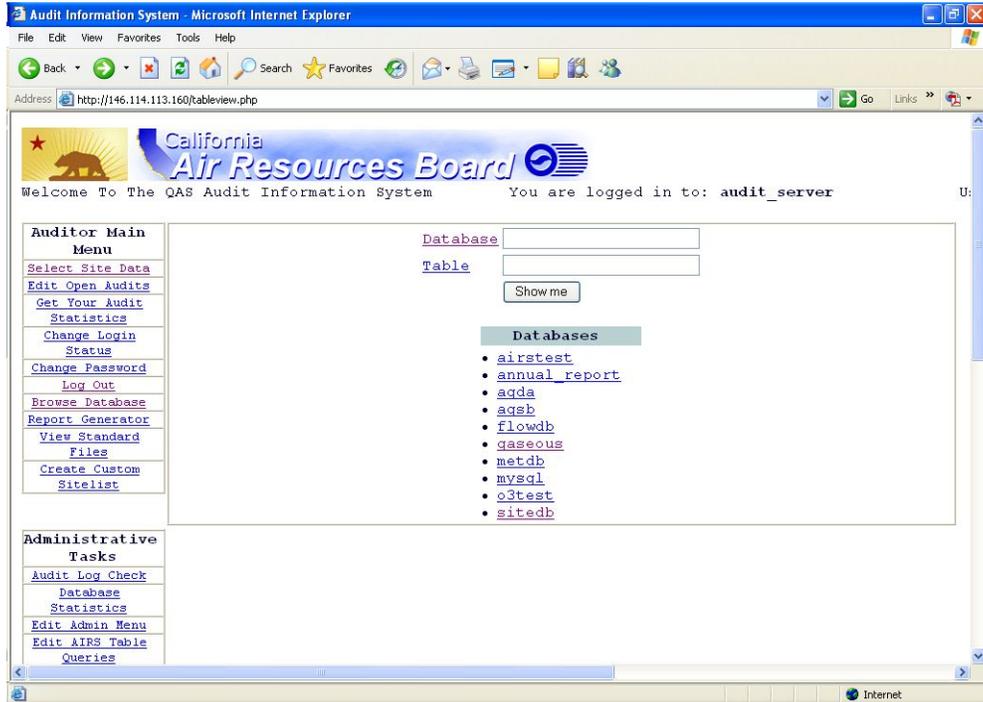


Figure 3.1 Browse Database

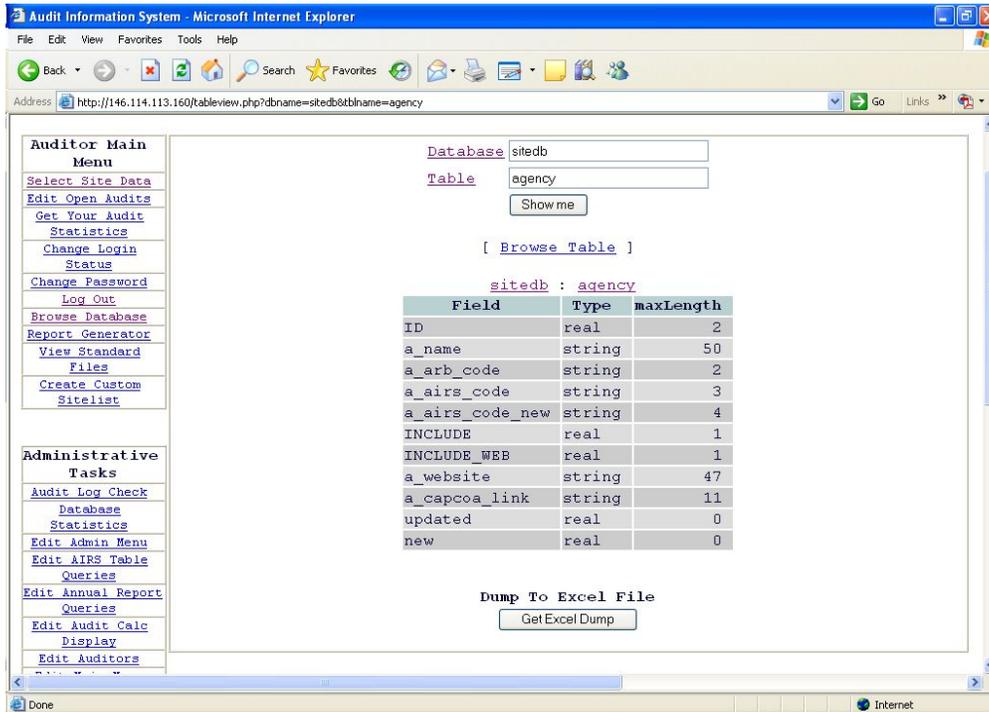


Figure 3.2 Fields in a Table

AK.4 REPORT GENERATOR

When selecting this option you will be directed to the Report Generation Main Menu as shown in Figure 4.1 and 4.2.

On the main menu there are modules where you can choose various parameters and then click the “Get...” button and the database will be queried for those results and outputted in to a table like the one shown in 4.3.

For some of the modules, one of the columns in this table is titled “Include in Report.” In this column there are check boxes where you can select or deselect certain sites you want to include in your report. Then click the “Generate Report” button and table with your requested data is shown. You can also click on “Get Excel Dump” to export the report to a Microsoft Excel file.

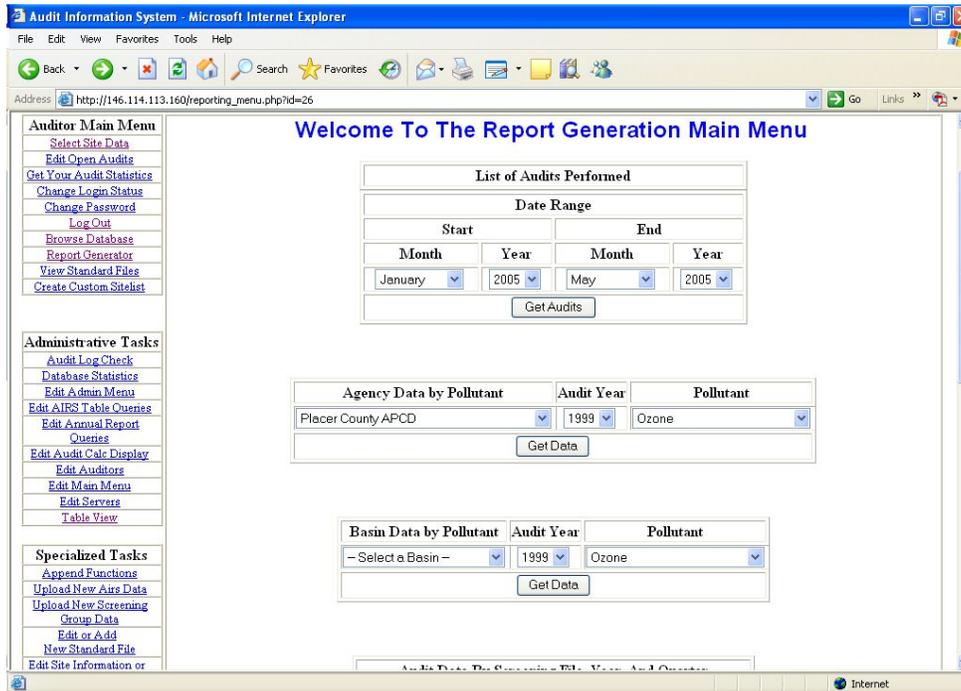


Figure 4.1 Report Generation Main Menu

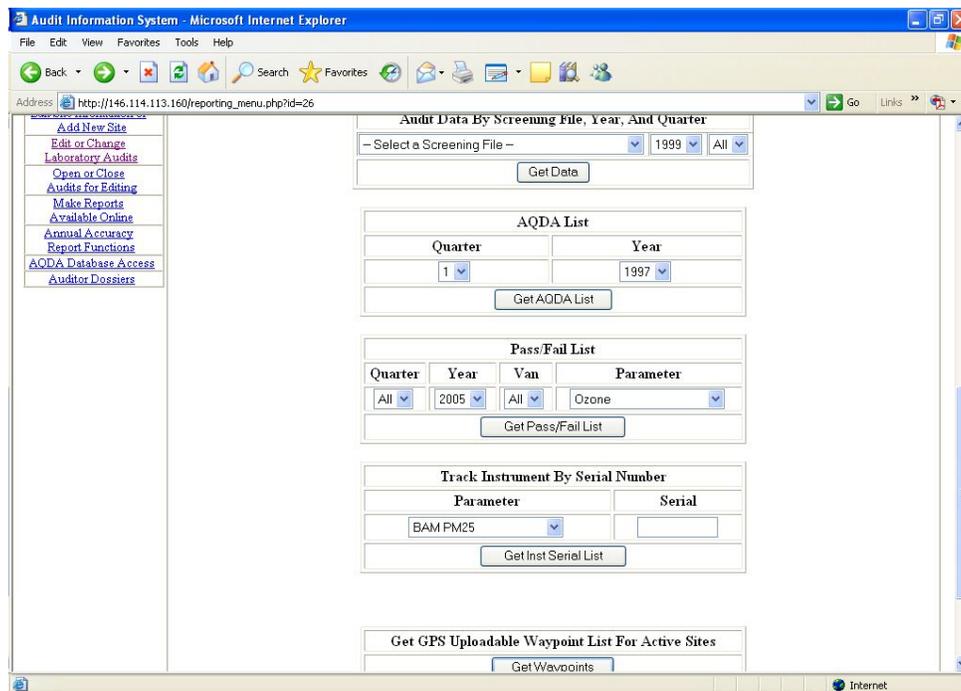


Figure 4.2 Report Generation Main Menu Continued

California Air Resources Board

Welcome To The QAS Audit Information System You are logged in to: **audit_server** Username: **dgoto** Your Login Status Is: **Full Status**

Ozone Audits of monitors run by Placer County APCD

Uncheck an audit to exclude from the report. Select a pollutant at the bottom.

Site Number	Site Name	Audit Date	POC	Serial	Include In Report	Site Active?
31813	Auburn	1999-10-26	1	20003782	<input checked="" type="checkbox"/>	Yes
31818	Colfax-City Hall	1999-09-07	1	23548	<input checked="" type="checkbox"/>	Yes

Number of sites =2

Auditor Main Menu

- Select Site Data
- Edit Open Audits
- Get Your Audit Statistics
- Change Login Status
- Change Password
- Log Out
- Browse Database
- Report Generator
- View Standard Files
- Create Custom Sitelist

Administrative Tasks

- Audit Log Check
- Database Statistics
- Edit Admin Menu
- Edit AIRS Table Queries
- Edit Annual Report Queries
- Edit Audit Calc Display
- Edit Auditors
- Edit Main Menu
- Edit Servers
- Table View

Specialized Tasks

Figure 4.3 Generating a Report

AK.5 CREATE CUSTOM SITE LIST

When selecting this option you will be directed to the Site List Generation Main Menu as shown in Figure 5.1.

From the main menu you can create a site list by agency, basin, pollutant, or county by selecting your choice from the drop-down menu and then click “Get...”

You can also create a multi-parameter/multi-agency list. Choose the desired parameters from the drop-down menus a hit “Get Sitelist.”

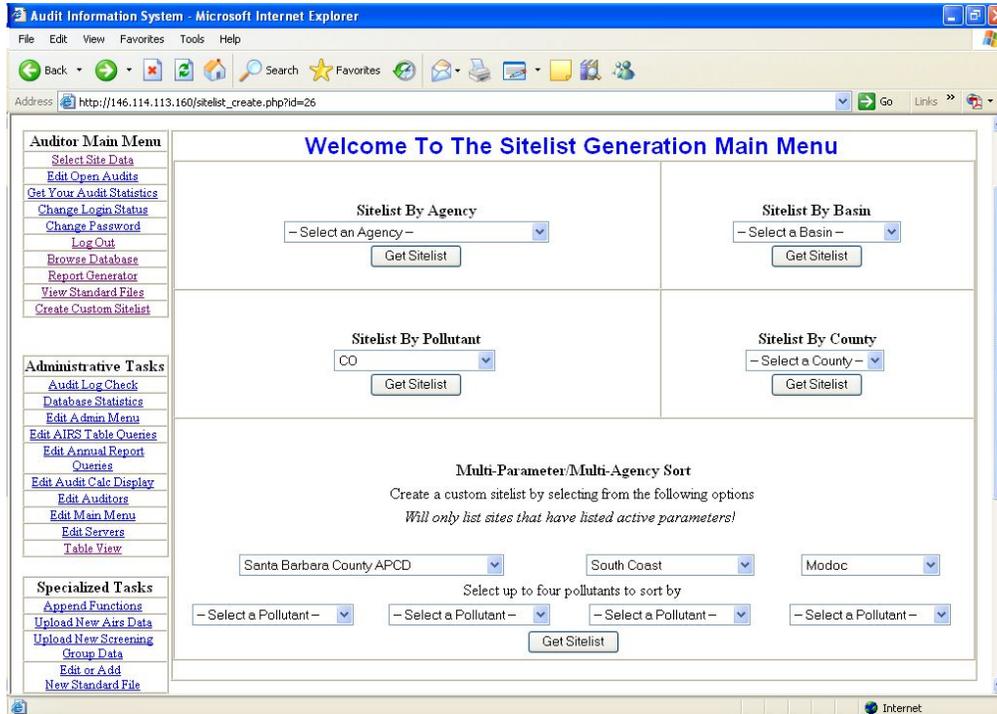


Figure 5.1 Site List Generation Main Menu

AK.6 AUDIT DATA SELCTION SCREEN MISC. FUNCTIONS

At the bottom of the Audit Data Selection Screen there is Misc. Functions menu as shown in Figure 6.1.

AK.6.1 EDIT GENERAL SITE SURVEY

This opens the site survey page for the entire site. Be sure to update all the site information here. See Section AK.7.

AK.6.2 UPLOAD SITE PHOTOS

This takes you to a menu where you upload the site photos as shown in Figure 6.2.1. With the camera or memory unit connected to the computer, click on “Browse...” and go to the directory that contains the taken photos and select the correct photograph to the matching direction caption. After all 8 pictures have been found, click “Upload” and the pictures will be uploaded from the camera/memory unit to the program.

AK.6.3 PRINTABLE SITE SURVEY

This option gives you a copy of the general site survey in a format for printing.

AK.6.4 GET FULL REPORT

This takes you to the full audit report in a printable format. When you are finished with the audit, select this and print out 2 copies; one for QAS and one for the station operator.

AK.6.5 BACK TO SITE SELECTION MENU

This takes you back to the Select Site Data menu. See Section AK.2.

AK.6.6 ADD NEW MET INSTRUMENT

Use this if the site has a met instrument model that that is not in the model selection of the audit screen. First select the monitor type from the drop-down menu and click the “Get Info” button. It then brings you to a screen as in Figure 6.6.1. The list shows all the instrument models in the system so you can double check that the one you are adding is not already there. Then key in the information about the instrument and click “Add Info.” The instrument will be added to the database.

AK.6.7 GO TO SITE DOSSIER

This takes you to the site dossier. See Section AK.2.2.

AK.6.8 CHECK FOR INCONSISTENCIES (TEST)

This tool lets you know if there is any data that should have been inputted but has not been. Use this as you are finishing the audit to make sure all the necessary information has been inputted. Deficiencies are in red as shown in Figure 6.8.1.

AK.6.9 ADD A SURVEY FOR A NON-AUDITED PARAMETER

Choose this option if the site has an instrument that you were not able to audit. Click on the “Add Primary Audit” button, then “Do Selected Audit” and the Site Survey Page comes up (as described in specific instrument audit sections). Enter the information about the instrument.

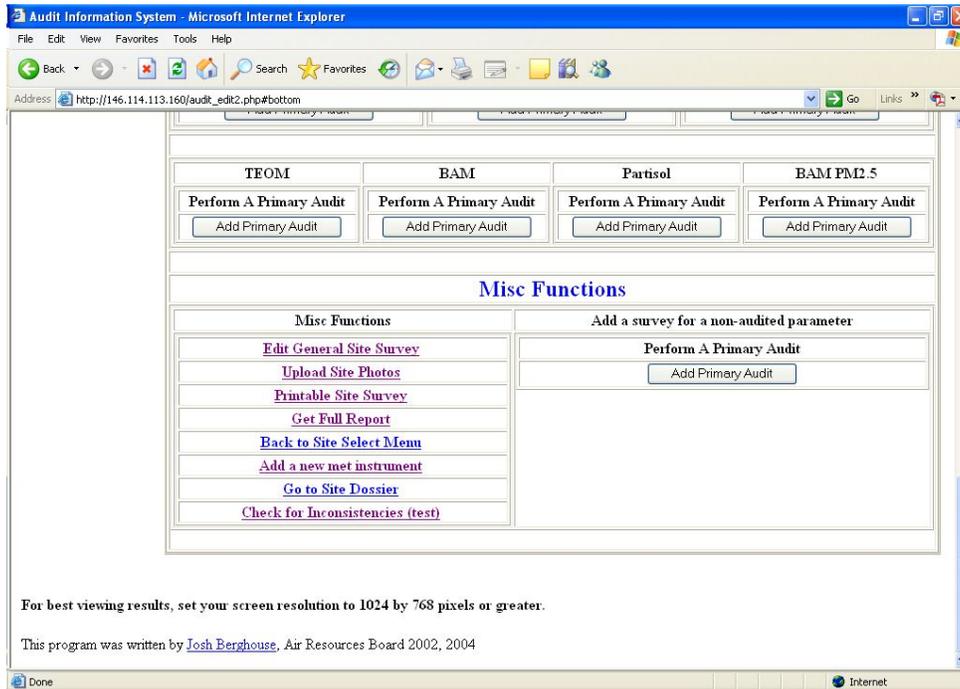


Figure 6.1 Misc. Functions Menu

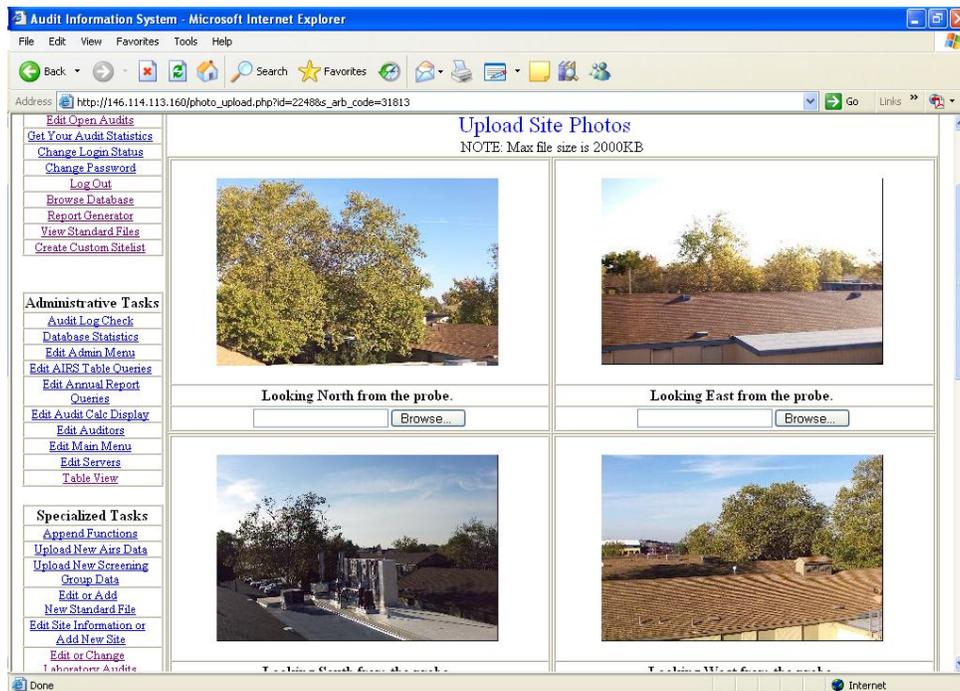


Figure 6.2.1 Uploading Site Photos

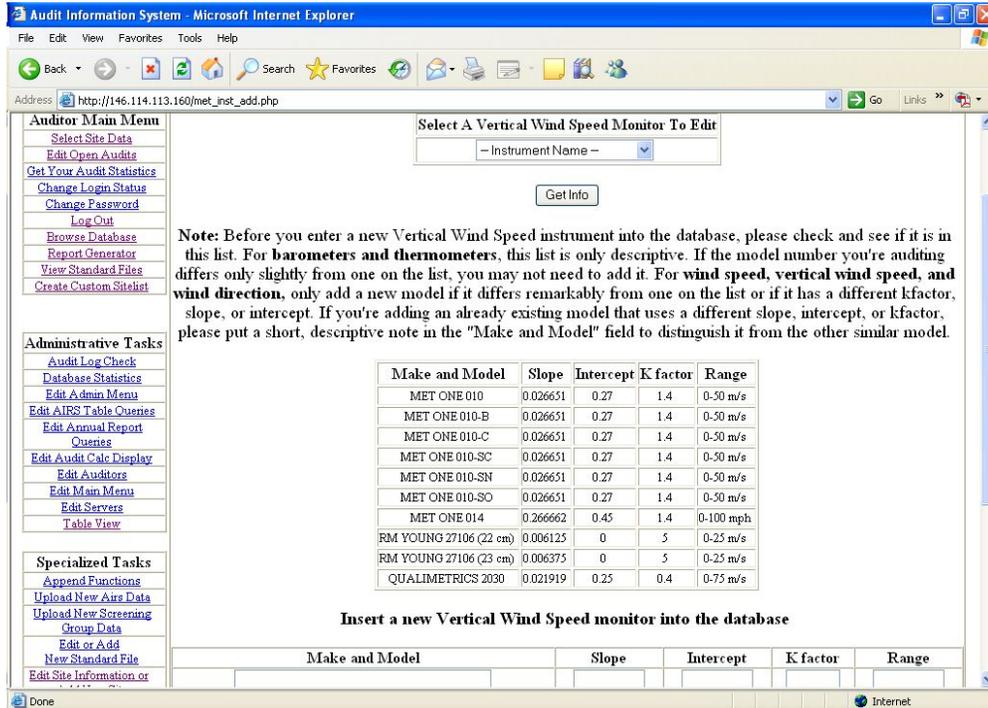


Figure 6.6.1 Adding a New Met Instrument

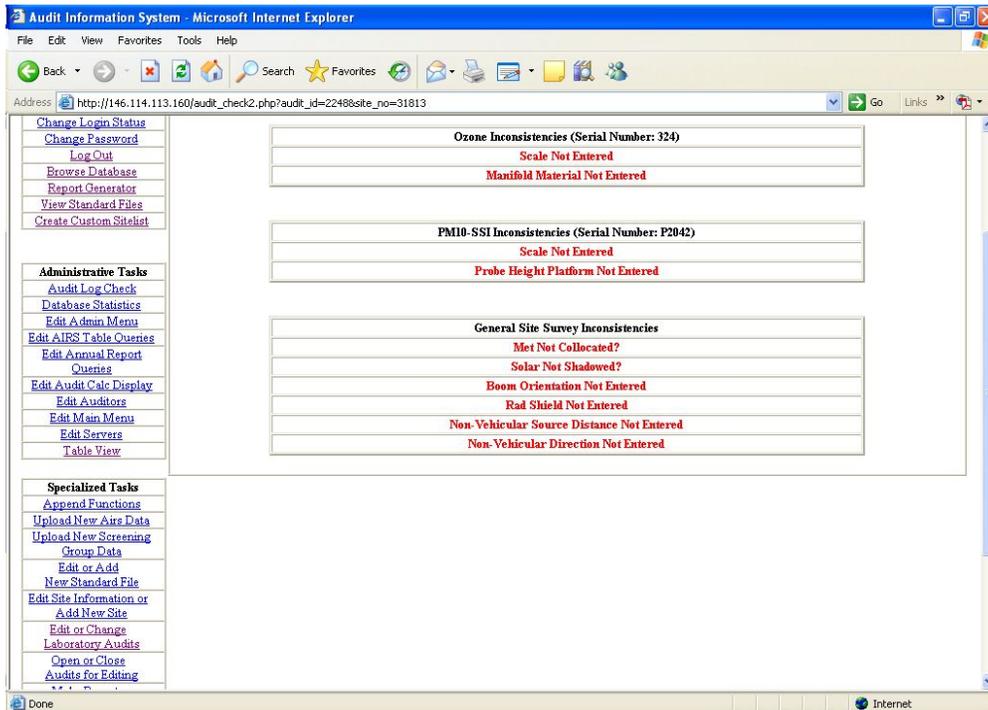


Figure 6.8.1 Inconsistencies Test

AK.7 EDIT GENERAL SITE SURVEY

Enter the auditor's names, site phone number, site technician name, and choose "Yes" on the drop-down menus for Site Report and Site Photo's signifying they were completed.

Under Station Temperature, enter whether the temperature is controlled or not and whether it's recorded or not. Key in the temperature inside the station.

Under Meteorology, enter whether there are meteorological instruments at the site (located with instruments). If "yes", enter whether it is solar shadowed, what the boom orientation is, and the temperature/radiation shield aspirator type. Also select the predominant wind direction.

Under Traffic, select the type of traffic closest to the site, the distance from the site, and the approximate amount of vehicles that pass daily. If there are any non-vehicular local sources, key them in. Select the dominating influence from the drop-down menu.

Under Topography, select the topography of the site location and the region the site is located. Choose the urbanization and the ground cover of the site location. Key in the air flow arc.

Under QA Manual, select whether the manual has been approved or not and key in the operating agency.

Under Probe/Manifold, select whether or not the probe and manifold were clean and key in their cleaning schedule.

Then select whether or not they have a QA plan, the site survey is complete, and if their log book is up to date. Key in their auto-calibrator type.

Below the above form is 3 text boxes; Action Items, Audit and Site Comments, and Directions/Remarks. In action items, key in any failure or warning that will result in an AQDA. In audit and site comments, key in any misc. comments about the site or audit. In directions/remarks, key in directions to the site.

After inputting information in any of the above fields, be sure to click on the "Update Survey" button at the bottom of the page to save the information in the system.

AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code				
060610002	31813	1/1/80	Placer County APCD (033)				
Site Address		County Location	Air Basin	Latitude	Longitude	Elevation	
11464 B Av, Auburn CA 95603		Placer	Sacramento Valley	38° 56' 19"	121° 6' 19"	477	
Contact Person		Contact Phone Number	Email Address		Supervisor Name		
Kurt Schreiber		(530) 889-7130			Dick Johnson-APCO		
Audit Date	Van	Auditors		Site Phone #	Site Report?	Site Photos?	Site Technician
2005-10-20	B	Dustin Goto	Don Fitzell	(530) 889-7131	Yes	Yes	Kurt Schreiber
Station Temperature							
Controlled?	Recorded?	Inside Temperature (°C)					
Yes	Yes	25					
Meteorology							
Located With Instruments?	Solar Shadowed?	Boom Orientation	Temp. Rad. Shield. Asp. Type	Predominant Wind Direction			
No	No		-None-	Northwest			

Figure 7.1 General Site Survey

Traffic			Non-vehicular Local Sources			Dominate Influence
Description	Distance	Count	Description	Distance	Direction	Category
Arterial	5	10	None	0		Vehicular
Topography						
Site	Region	Urbanization	Ground Cover	Air Flow Arc (degrees)		
Hilly	Hilly	Suburban	roof	360		
QA Manual			Probe/Manifold			
Approved	Agency		Probe Clean?	Manifold Clean?	Schedule	
Yes	CARB		Yes	N/A	As Needed	
QA Plan	Site Survey Complete?	Logbook Up to Date?	Autocalibrator Type			
Yes	Yes	Yes	Desibi 1008PC			
Action Items						

Figure 7.2 General Site Survey Continued

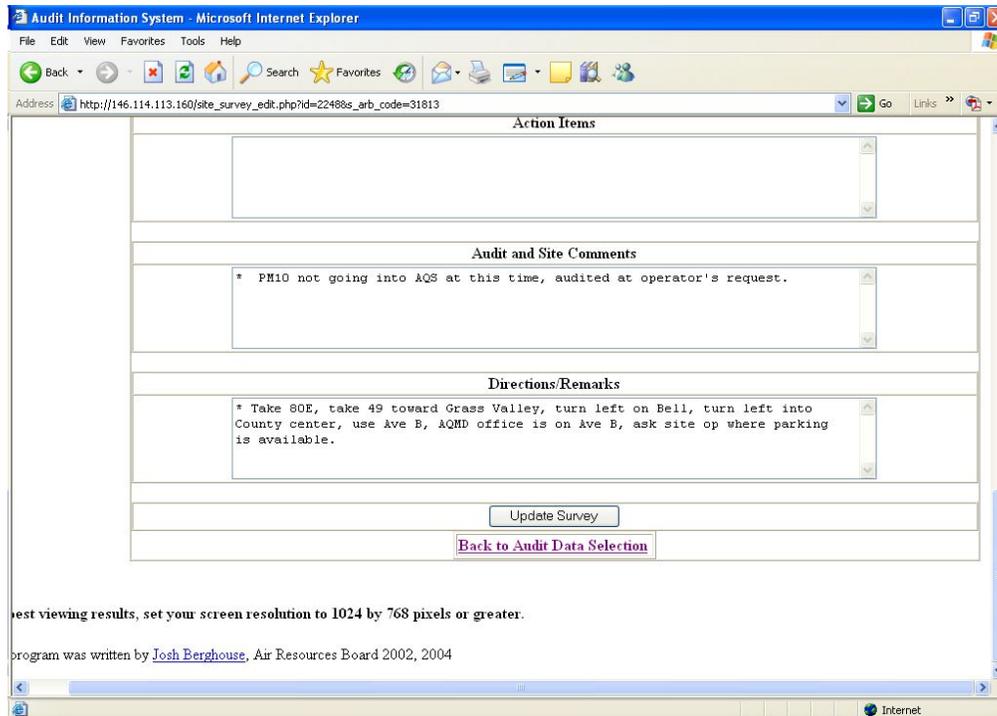


Figure 7.3 General Site Survey Continued

AK.8 CO AUDIT

AK.8.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 8.1.1, check the box for CO under the Superblend # you are using. Then click on the “Add Primary Audit” button to add CO to the current audit. At the next screen, under CO, click on the “Do Selected Audit” button to go to the data input screen shown in Figures 8.1.2 and 8.1.3.

AK.8.2 AUDIT STANDARD INFORMATION

Double check that the standards file is current with the current quarter, year, and instrument. If not, click on the “Change” button and choose the correct settings from the drop down menu. Then click on “Select Standard” button to return to the data input screen.

AK.8.3 STATION INSTRUMENT INFORMATION

From the data input screen choose the Instrument Type and Model from the drop down menu. The Instrument Serial Number and Last Cal Date can be keyed in.

AK.8.4 AUDIT INFORMATION ENTRY

On the data input screen, under CO Span Values, key in the Pre Audit Span Values for High and Low CO and Ultrapure Air. Key in the Post Audit Span Values for High CO and Ultrapure Air when performed. These fields correspond with the Van CO Calibration Responses table on the QA Audit Data Worksheet, Audit Van Response.

Under CO Audit Information there is a column labeled Van Data. In the sub-column titled Indicated, input the appropriate readings from the CO Display Reading column in the Van CO Dilution Responses table on the worksheet. In the neighboring Indicated column under Station Data, input the appropriate readings from the CO column of the Instrument Range and Response table on the Station Response Worksheet.

After inputting these values you must click on the “Calculate Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information and Residence Time see Sections AK.31 and AK.32 respectively.

AK.8.5 STATISTICAL INFORMATION

This section of the data input screen automatically calculates Average Percent Difference, Slope, Intercept, Zero Average, Standard Deviation, Correlation, and the Upper and Lower 95 Probability Limits when the “Calculate Values” button is clicked. Also shown is an Audit Data Comparison graph that displays the current results as well as previous years’ results.

AK.8.6 FAILURES AND WARNINGS / CLOSING

On the data input screen below the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the CO audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

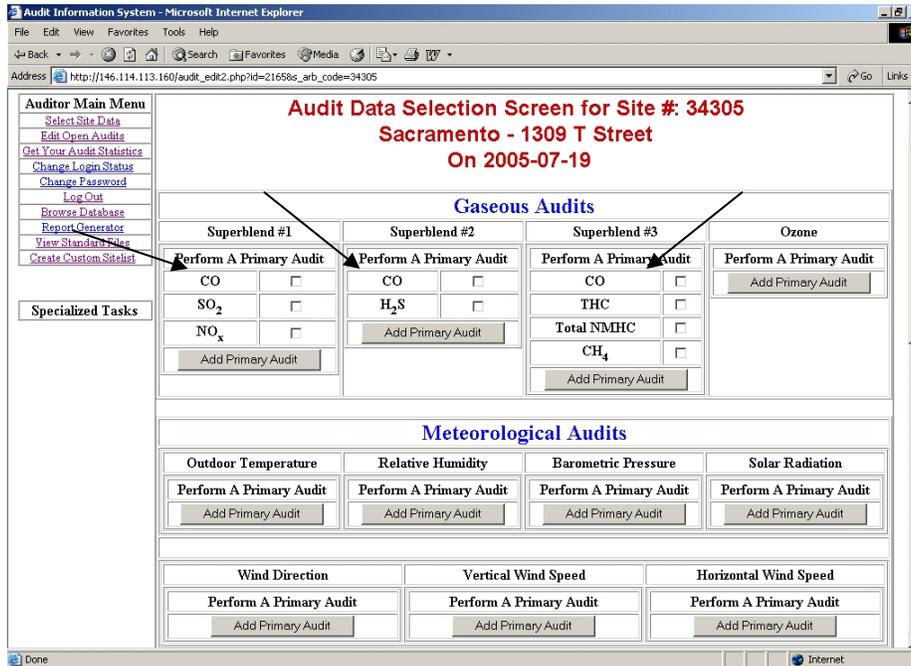


Figure 8.1.1 Audit Data Selection Screen

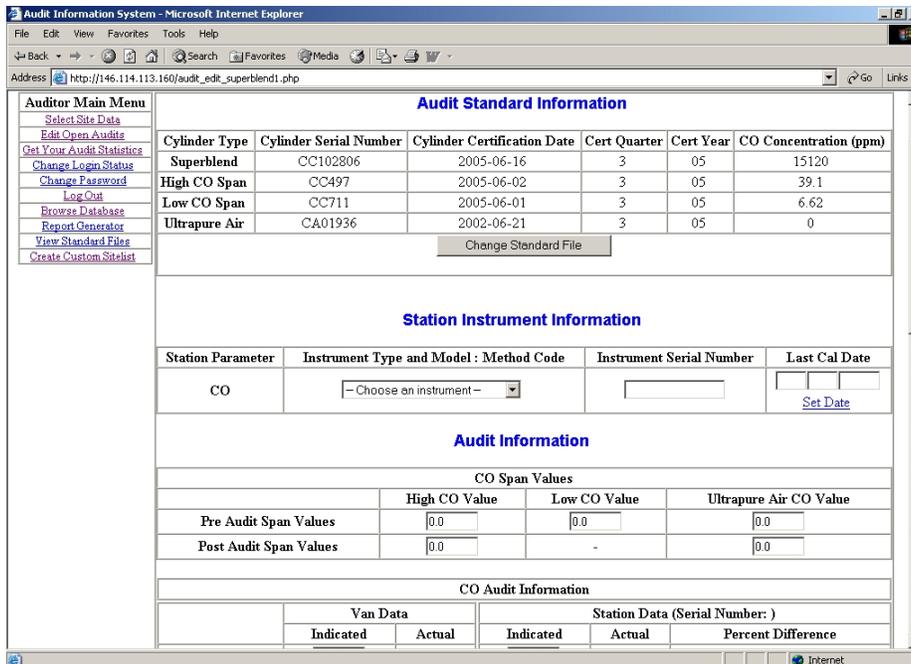


Figure 8.1.2 Data Input Screen

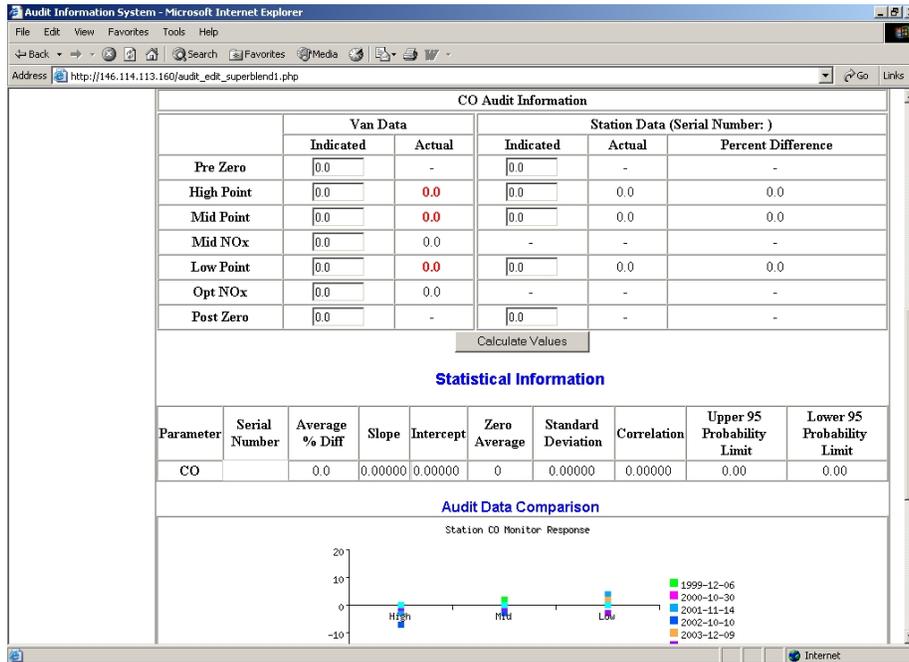


Figure 8.1.3 Data Input Screen Continued

AK.9 SO₂ AUDIT

AK.9.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 9.1.1, check the box for SO₂ under Superblend #1. Then click on the “Add Primary Audit” button to add SO₂ to the current audit. At the next screen, under SO₂, click on the “Do Selected Audit” button to go to the data input screen shown in Figures 9.1.2, 9.1.3, and 9.1.4.

AK.9.2 AUDIT STANDARD INFORMATION

Double check that the standards file is current with the current quarter, year, and instrument. If not, click on the “Change” button and choose the correct settings from the drop down menu. Then click on “Select Standard” button to return to the data input screen.

AK.9.3 STATION INSTRUMENT INFORMATION

From the data input screen choose the Instrument Type and Model from the drop down menu. The Instrument Serial Number and Last Cal Date can be keyed in.

AK.9.4 AUDIT INFORMATION ENTRY

On the data input screen, under CO Span Values, key in the Pre Audit Span Values for High and Low CO and Ultrapure Air. Key in the Post Audit Span Values for High CO and Ultrapure Air when performed. These fields correspond with the Van CO Calibration Responses table on the QA Audit Data Worksheet, Audit Van Response.

Under CO Audit Information there is a column labeled Van Data. In the sub-column titled Indicated, input the appropriate readings from the CO Display Reading column in the Van CO Dilution Responses table on the worksheet. In the neighboring Indicated column under Station Data, input the appropriate readings from the CO column of the Instrument Range and Response table on the Station Response Worksheet.

After the CO audit is completed and the data is entered, enter the SO₂ data. Under SO₂ Audit Information there is a column labeled Station Data. In the sub-column titled Indicated, input the appropriate readings from the SO₂ column of the Instrument Range and Response table on the Station Response Worksheet. The Van Data is calculated based on the values from the CO audit.

After inputting these values you must click on the “Calculate Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information and Residence Time see Sections AK.31 and AK.32 respectively.

AK.9.5 STATISTICAL INFORMATION

This section of the data input screen automatically calculates Average Percent Difference, Slope, Intercept, Zero Average, Standard Deviation, Correlation, and the Upper and Lower 95 Probability Limits when the “Calculate Values” button is clicked. Also shown is an Audit Data Comparison graph that displays the current results as well as previous years’ results.

AK.9.6 FAILURES AND WARNINGS / CLOSING

On the data input screen below the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the SO₂ audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

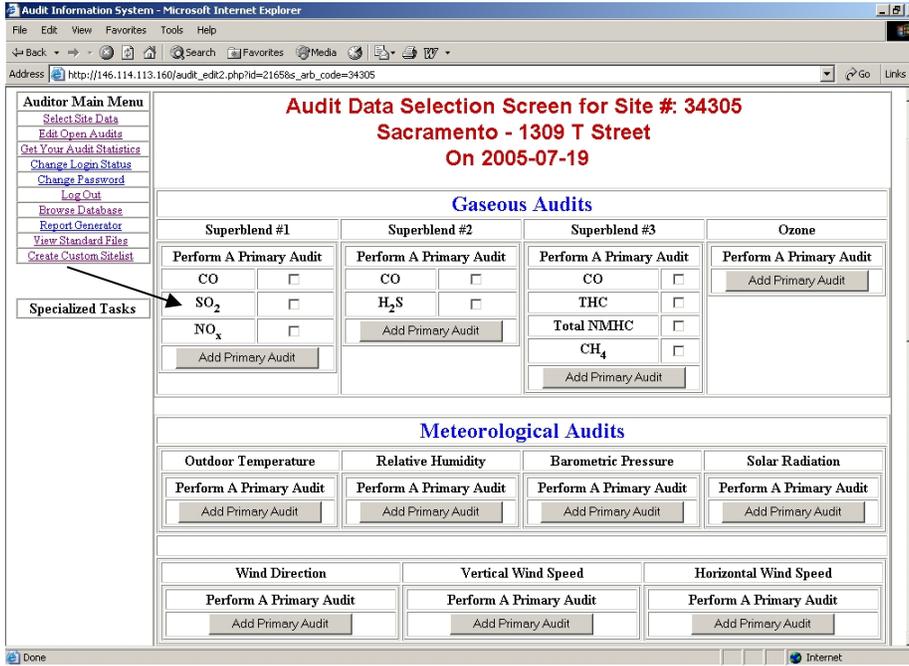


Figure 9.1.1 Audit Data Selection Screen

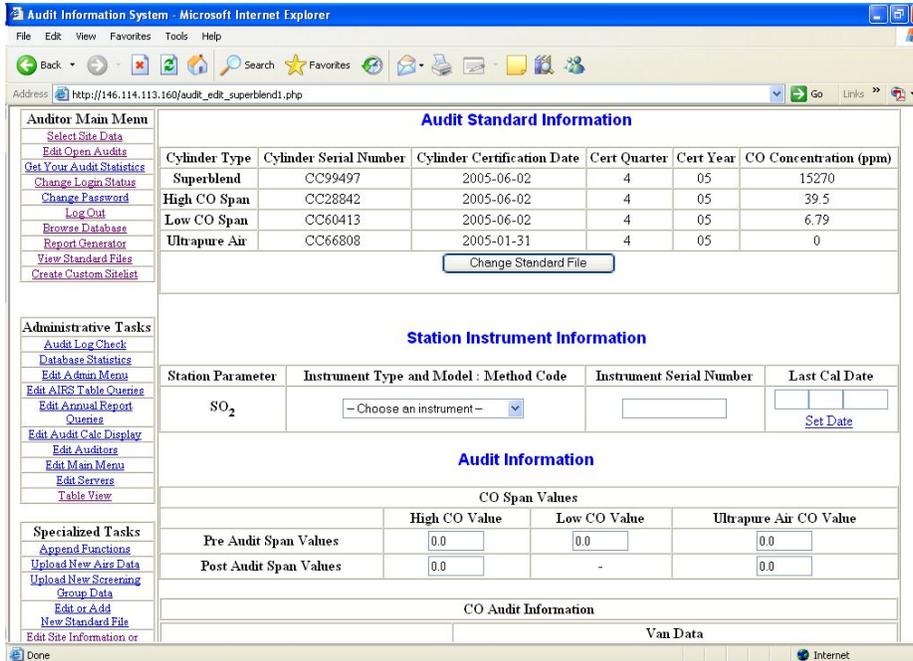


Figure 9.1.2 Data Input Screen

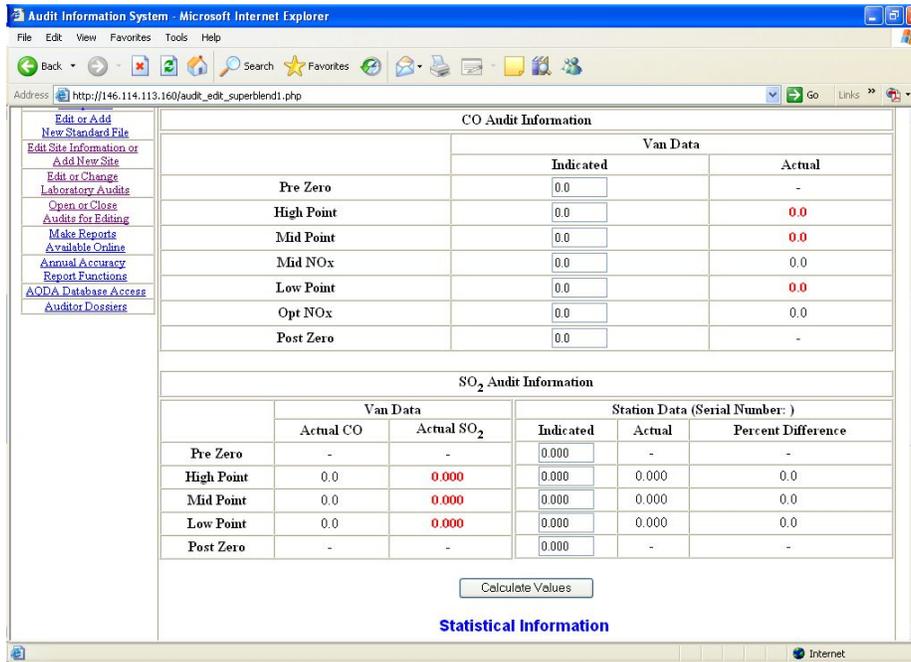


Figure 9.1.3 Data Input Screen Continued

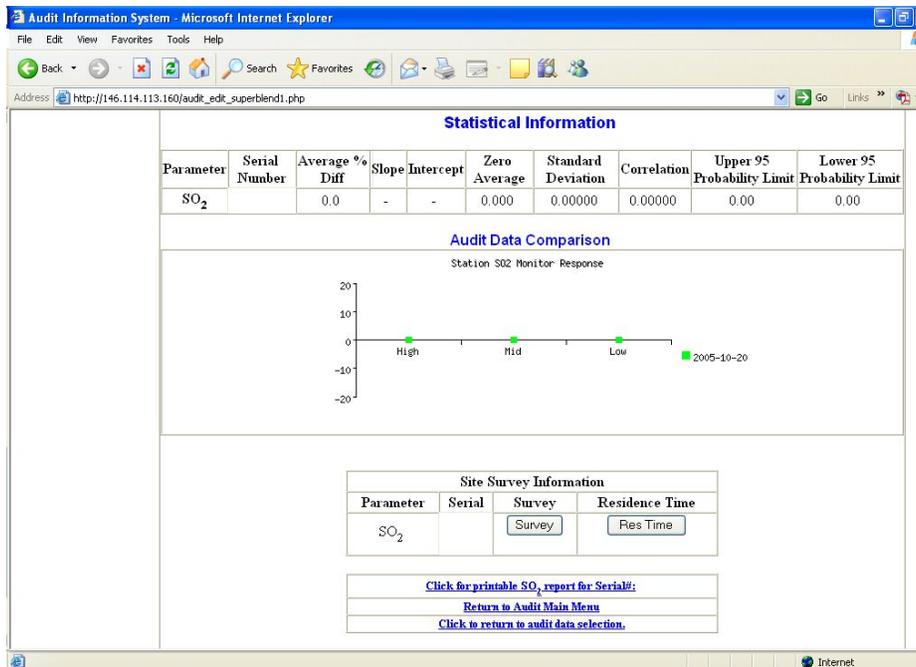


Figure 9.1.4 Data Input Screen Continued

AK.10 **NO_x AUDIT**

AK.10.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 10.1.1, check the box for NO_x under Superblend #1. Then click on the “Add Primary Audit” button to add NO_x to the current audit. At the next screen, under NO_x, click on the “Do Selected Audit” button to go to the data input screen shown in Figures 10.1.2, 10.1.3, and 10.1.4.

AK.10.2 AUDIT STANDARD INFORMATION

Double check that the standards file is current with the current quarter, year, and instrument. If not, click on the “Change” button and choose the correct settings from the drop down menu. Then click on “Select Standard” button to return to the data input screen.

AK.10.3 STATION INSTRUMENT INFORMATION

From the data input screen choose the Instrument Type and Model from the drop down menu. The Instrument Serial Number and Last Cal Date can be keyed in.

AK.10.4 AUDIT INFORMATION ENTRY

On the data input screen, under CO Span Values, key in the Pre Audit Span Values for High and Low CO and Ultrapure Air. Key in the Post Audit Span Values for High CO and Ultrapure Air when performed. These fields correspond with the Van CO Calibration Responses table on the QA Audit Data Worksheet, Audit Van Response.

Under CO Audit Information there is a column labeled Van Data. In the sub-column titled Indicated, input the appropriate readings from the CO Display Reading column in the Van CO Dilution Responses table on the worksheet. In the neighboring Indicated column under Station Data, input the appropriate readings from the CO column of the Instrument Range and Response table on the Station Response Worksheet.

After the CO audit is completed and the data is entered, enter the NO_x data. Under NO_x Audit Information there is a column labeled Station Data. In the sub-column titled Indicated, input the appropriate readings from the NO_x column of the Instrument Range and Response table on the Station Response Worksheet. The Van Data is calculated based on the values from the CO audit.

After inputting these values you must click on the “Calculate Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information and Residence Time see Sections AK.31 and AK.32 respectively.

AK.10.5 STATISTICAL INFORMATION

This section of the data input screen automatically calculates Average Percent Difference, Slope, Intercept, Zero Average, Standard Deviation, Correlation, and the Upper and Lower 95 Probability Limits when the “Calculate Values” button is clicked. Also shown is an Audit Data Comparison graph that displays the current results as well as previous years’ results.

AK.10.6 FAILURES AND WARNINGS / CLOSING

On the data input screen below the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the NO_x audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

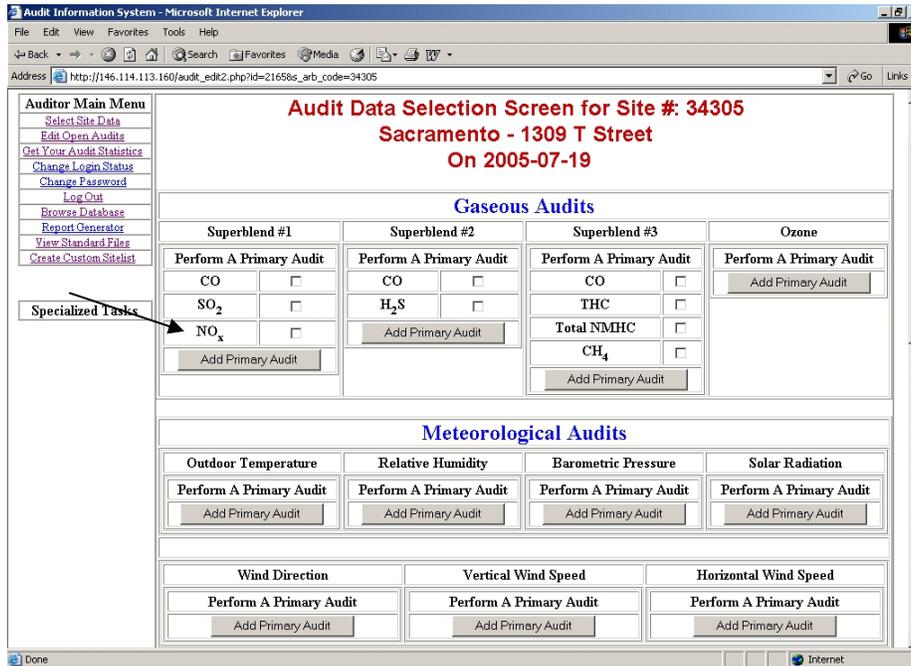


Figure 10.1.1 Audit Data Selection Screen

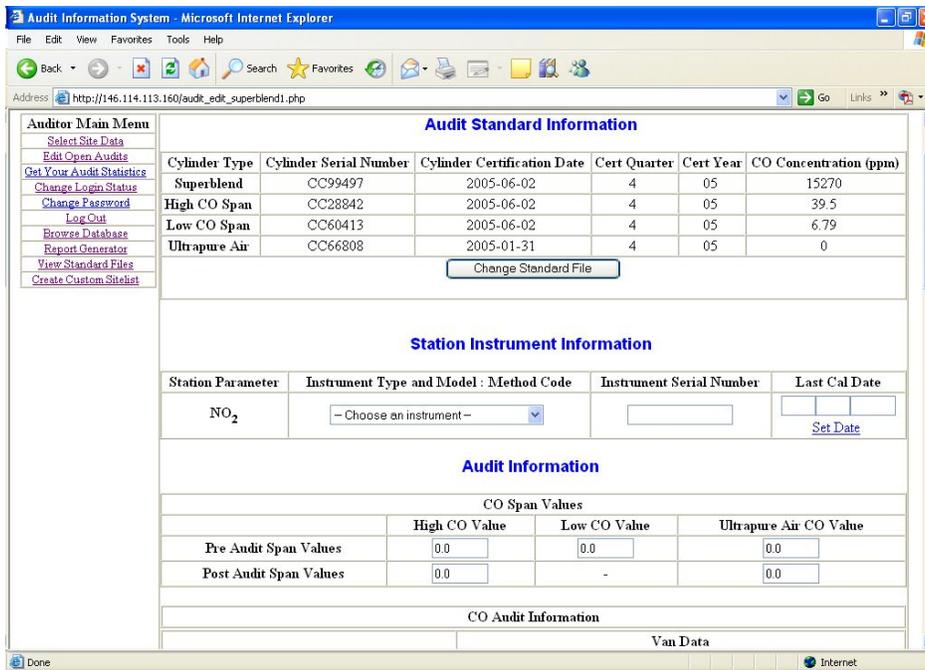


Figure 10.1.2 Data Input Screen

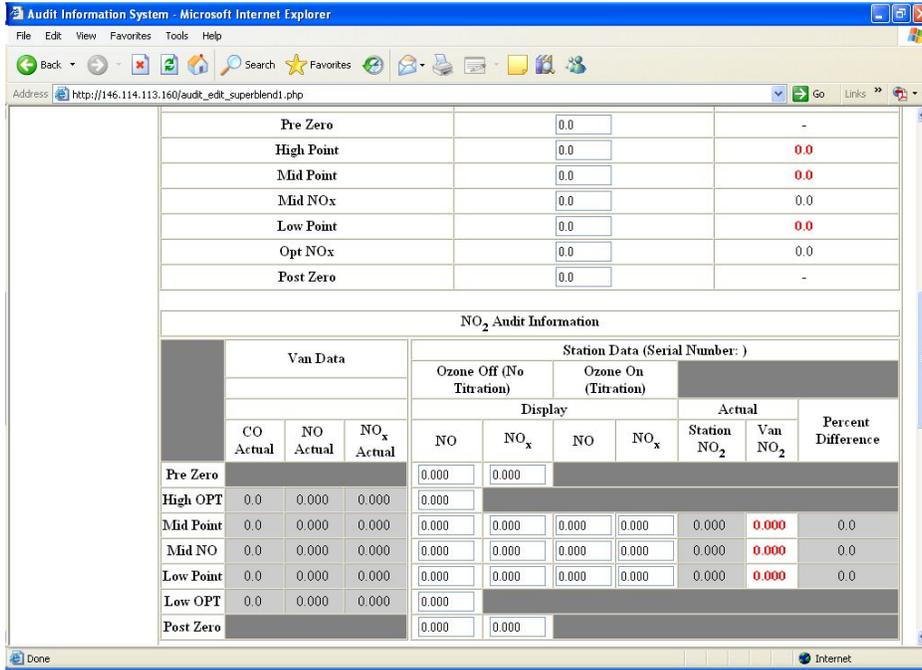


Figure 10.1.3 Data Input Screen Continued

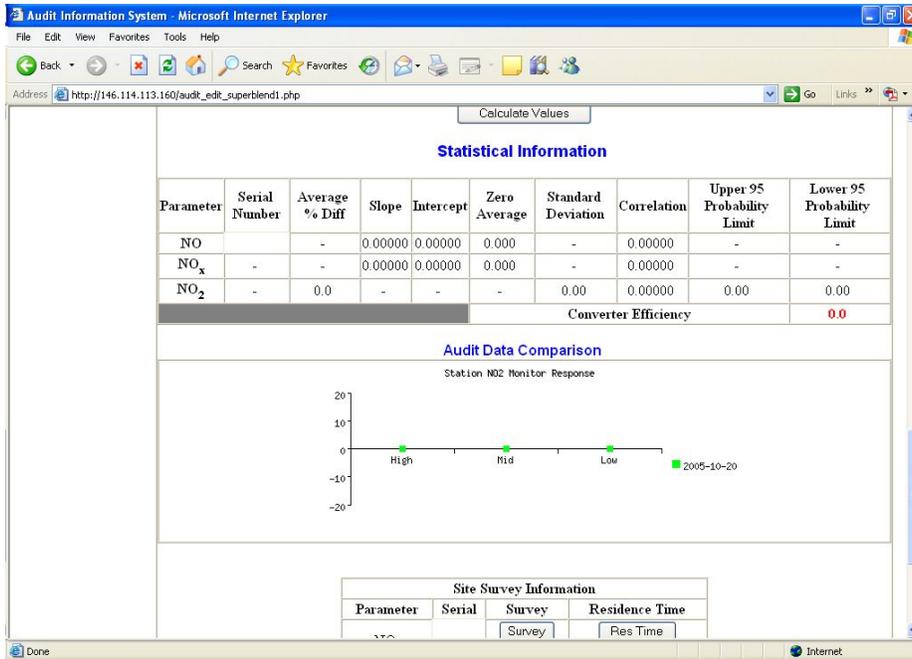


Figure 10.1.4 Data Input Screen Continued

AK.11 H₂S AUDIT

AK.11.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 11.1.1, check the box for H₂S under Superblend #2. Then click on the “Add Primary Audit” button to add H₂S to the current audit. At the next screen, under H₂S, click on the “Do Selected Audit” button to go to the data input screen shown in Figures 11.1.2, 11.1.3, and 11.1.4.

AK.11.2 AUDIT STANDARD INFORMATION

Double check that the standards file is current with the current quarter, year, and instrument. If not, click on the “Change” button and choose the correct settings from the drop down menu. Then click on “Select Standard” button to return to the data input screen.

AK.11.3 STATION INSTRUMENT INFORMATION

From the data input screen choose the Instrument Type and Model from the drop down menu. The Instrument Serial Number and Last Cal Date can be keyed in.

AK.11.4 AUDIT INFORMATION ENTRY

On the data input screen, under CO Span Values, key in the Pre Audit Span Values for High and Low CO and Ultrapure Air. Key in the Post Audit Span Values for High CO and Ultrapure Air when performed. These fields correspond with the Van CO Calibration Responses table on the QA Audit Data Worksheet, Audit Van Response.

Under CO Audit Information there is a column labeled Van Data. In the sub-column titled Indicated, input the appropriate readings from the CO Display Reading column in the Van CO Dilution Responses table on the worksheet. In the neighboring Indicated column under Station Data, input the appropriate readings from the CO column of the Instrument Range and Response table on the Station Response Worksheet.

After the CO audit is completed and the data is entered, enter the H₂S data. Under H₂S Audit Information there is a column labeled Station Data. In the sub-column titled Indicated, input the appropriate readings from the H₂S column of the Instrument Range and Response table on the Station Response Worksheet. The Van Data is calculated based on the values from the CO audit.

After inputting these values you must click on the “Calculate Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information and Residence Time see Sections AK.31 and AK.32 respectively.

AK.11.5 STATISTICAL INFORMATION

This section of the data input screen automatically calculates Average Percent Difference, Slope, Intercept, Zero Average, Standard Deviation, Correlation, and the Upper and Lower 95 Probability Limits when the “Calculate Values” button is clicked. Also shown is an Audit Data Comparison graph that displays the current results as well as previous years’ results.

AK.11.6 FAILURES AND WARNINGS / CLOSING

On the data input screen below the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the H₂S audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

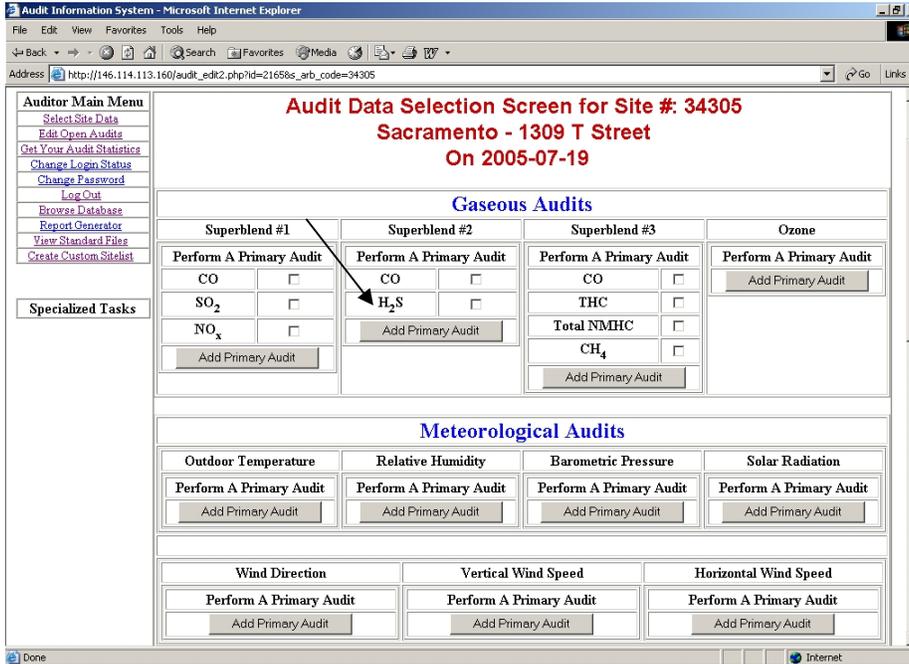


Figure 11.1.1 Audit Data Selection Screen

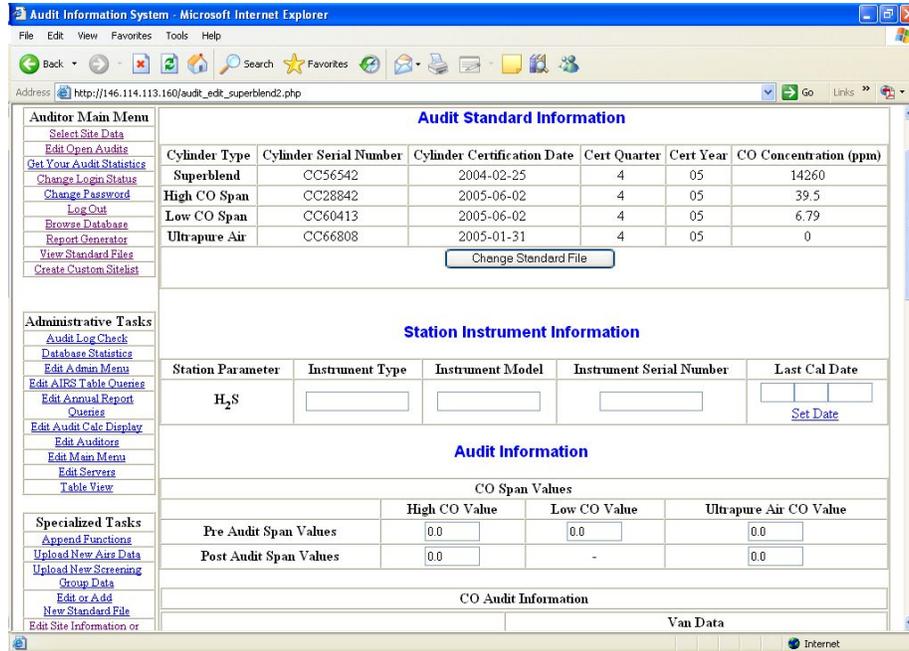


Figure 11.1.2 Data Input Screen

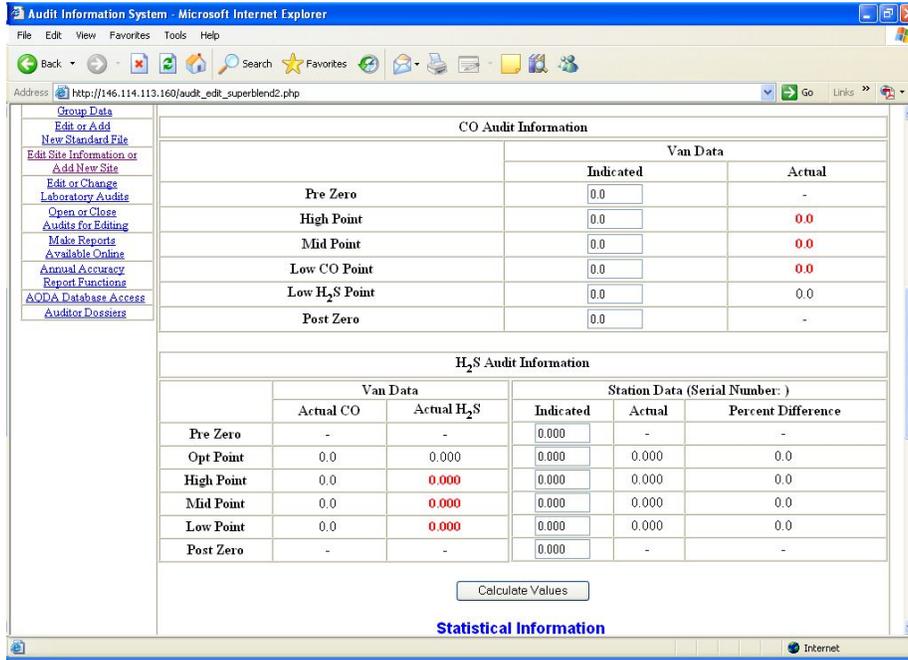


Figure 11.1.3 Data Input Screen Continued

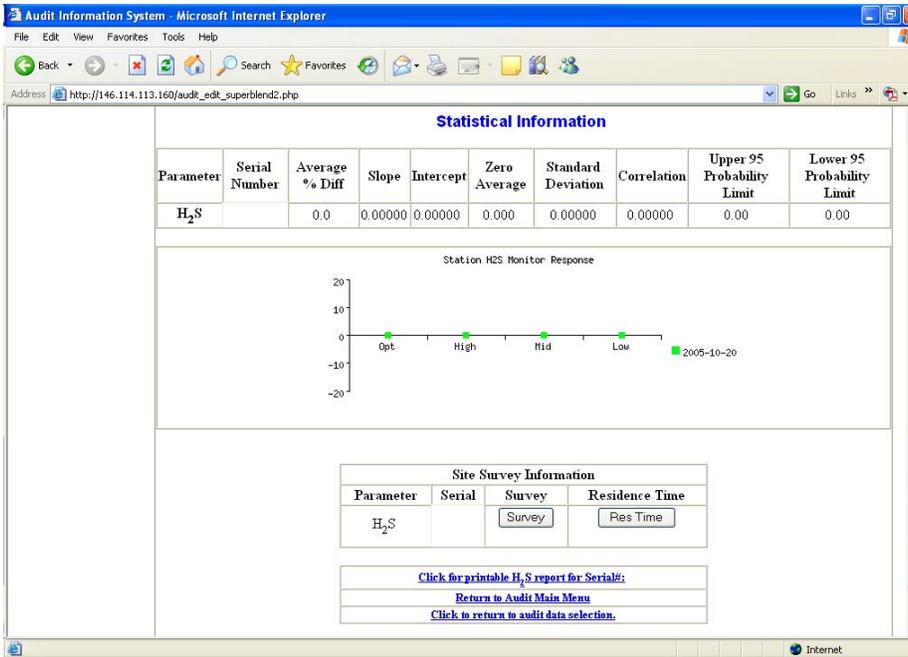


Figure 11.1.4 Data Input Screen Continued

AK.12 THC AUDIT

AK.12.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 12.1.1, check the box for THC under Superblend #3. Then click on the “Add Primary Audit” button to add THC to the current audit. At the next screen, under THC, click on the “Do Selected Audit” button to go to the data input screen shown in Figures 12.1.2, 12.1.3, and 12.1.4.

AK.12.2 AUDIT STANDARD INFORMATION

Double check that the standards file is current with the current quarter, year, and instrument. If not, click on the “Change” button and choose the correct settings from the drop down menu. Then click on “Select Standard” button to return to the data input screen.

AK.12.3 STATION INSTRUMENT INFORMATION

From the data input screen choose the Instrument Type and Model from the drop down menu. The Instrument Serial Number and Last Cal Date can be keyed in.

AK.12.4 AUDIT INFORMATION ENTRY

On the data input screen, under CO Span Values, key in the Pre Audit Span Values for High and Low CO and Ultrapure Air. Key in the Post Audit Span Values for High CO and Ultrapure Air when performed. These fields correspond with the Van CO Calibration Responses table on the QA Audit Data Worksheet, Audit Van Response.

Under CO Audit Information there is a column labeled Van Data. In the sub-column titled Indicated, input the appropriate readings from the CO Display Reading column in the Van CO Dilution Responses table on the worksheet. In the neighboring Indicated column under Station Data, input the appropriate readings from the CO column of the Instrument Range and Response table on the Station Response Worksheet.

After the CO audit is completed and the data is entered, enter the THC data. Under THC Audit Information there is a column labeled Station Data. In the sub-column titled Indicated, input the appropriate readings from the THC column of the Instrument Range and Response table on the Station Response Worksheet. The Van Data is calculated based on the values from the CO audit.

After inputting these values you must click on the “Calculate Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information and Residence Time see Sections AK.31 and AK.32 respectively.

AK.12.5 STATISTICAL INFORMATION

This section of the data input screen automatically calculates Average Percent Difference, Slope, Intercept, Zero Average, Standard Deviation, Correlation, and the Upper and Lower 95 Probability Limits when the “Calculate Values” button is clicked. Also shown is an Audit Data Comparison graph that displays the current results as well as previous years’ results.

AK.12.6 FAILURES AND WARNINGS / CLOSING

On the data input screen below the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the THC audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

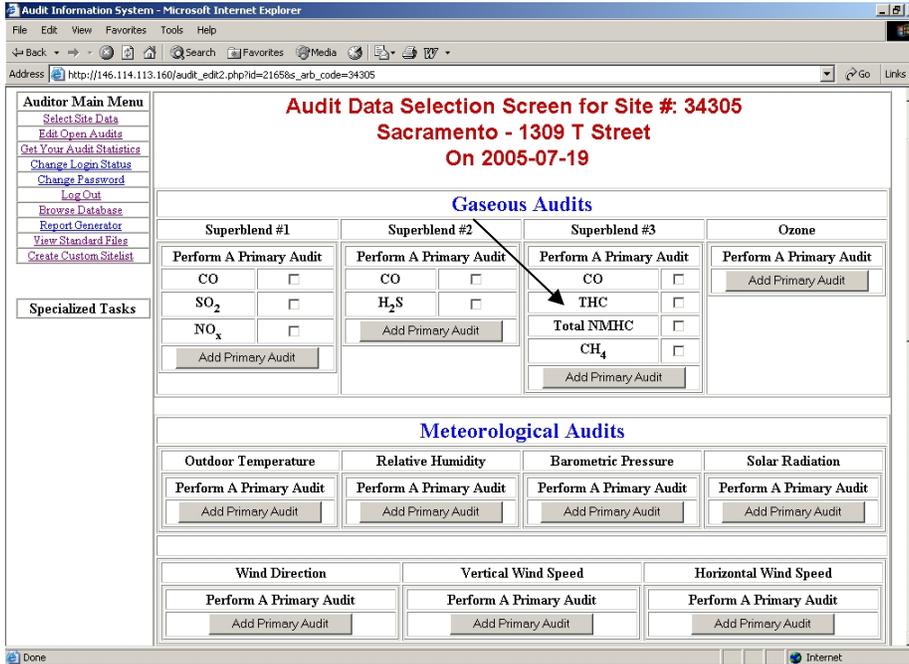


Figure 12.1.1 Audit Data Selection Screen

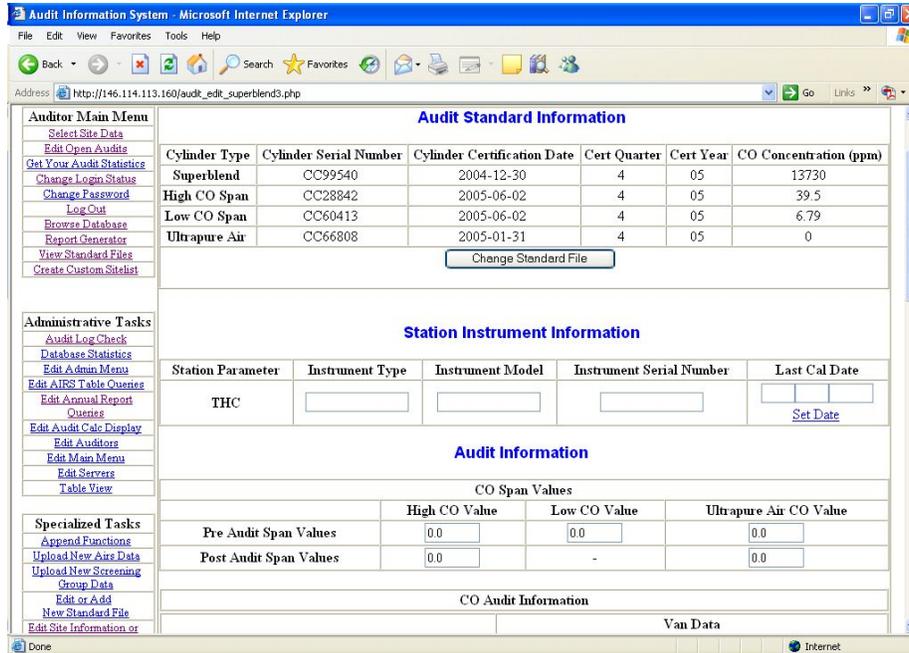


Figure 12.1.2 Data Input Screen

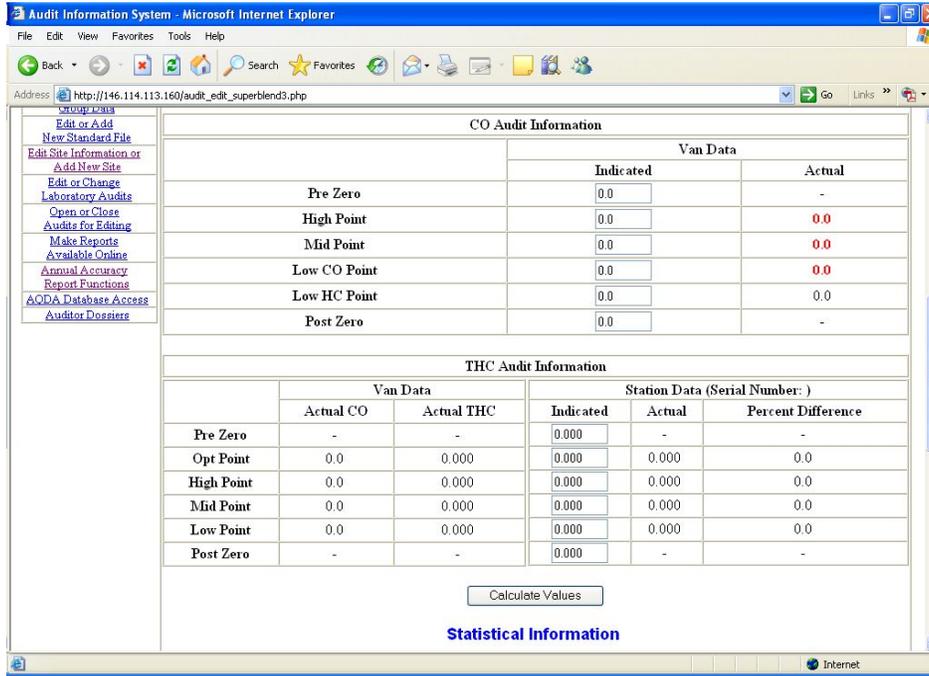


Figure 12.1.3 Data Input Screen Continued

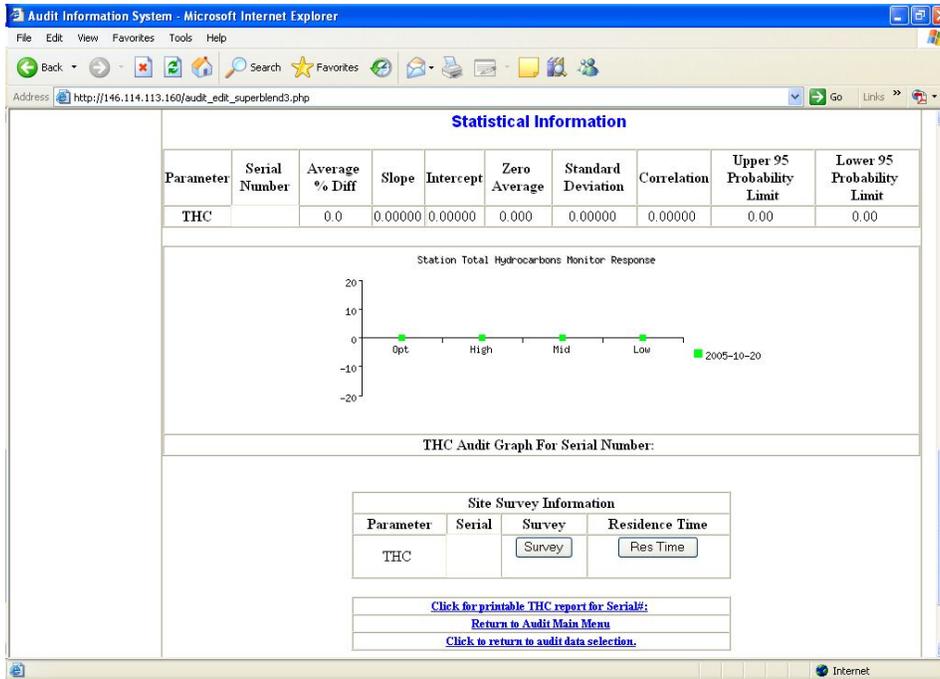


Figure 12.1.4 Data Input Screen Continued

AK.13 NMHC AUDIT

AK.13.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 13.1.1, check the box for NMHC under Superblend #3. Then click on the “Add Primary Audit” button to add NMHC to the current audit. At the next screen, under NMHC, click on the “Do Audit” button to go to the data input screen shown in Figures 13.1.2, 13.1.3, and 13.1.4.

AK.13.2 AUDIT STANDARD INFORMATION

Double check that the standards file is current with the current quarter, year, and instrument. If not, click on the “Change” button and choose the correct settings from the drop down menu. Then click on “Select Standard” button to return to the data input screen.

AK.13.3 STATION INSTRUMENT INFORMATION

From the data input screen choose the Instrument Type and Model from the drop down menu. The Instrument Serial Number and Last Cal Date can be keyed in.

AK.13.4 AUDIT INFORMATION ENTRY

On the data input screen, under CO Span Values, key in the Pre Audit Span Values for High and Low CO and Ultrapure Air. Key in the Post Audit Span Values for High CO and Ultrapure Air when performed. These fields correspond with the Van CO Calibration Responses table on the QA Audit Data Worksheet, Audit Van Response.

Under CO Audit Information there is a column labeled Van Data. In the sub-column titled Indicated, input the appropriate readings from the CO Display Reading column in the Van CO Dilution Responses table on the worksheet. In the neighboring Indicated column under Station Data, input the appropriate readings from the CO column of the Instrument Range and Response table on the Station Response Worksheet.

After the CO audit is completed and the data is entered, enter the NMHC data. Under NMHC Audit Information there is a column labeled Station Data. In the sub-column titled Indicated, input the appropriate readings from the NMHC column of the Instrument Range and Response table on the Station Response Worksheet. The Van Data is calculated based on the values from the CO audit.

After inputting these values you must click on the “Calculate Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information and Residence Time see Sections AK.31 and AK.32 respectively.

AK.13.5 STATISTICAL INFORMATION

This section of the data input screen automatically calculates Average Percent Difference, Slope, Intercept, Zero Average, Standard Deviation, Correlation, and the Upper and Lower 95 Probability Limits when the “Calculate Values” button is clicked. Also shown is an Audit Data Comparison graph that displays the current results as well as previous years’ results.

AK.13.6 FAILURES AND WARNINGS / CLOSING

On the data input screen below the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the NMHC audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

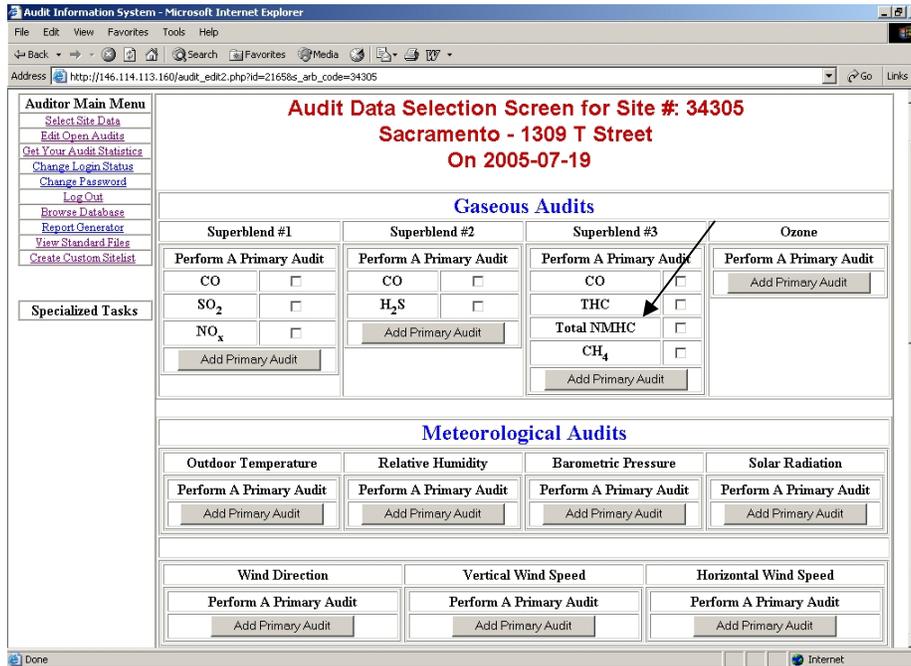


Figure 13.1.1 Audit Data Selection Screen

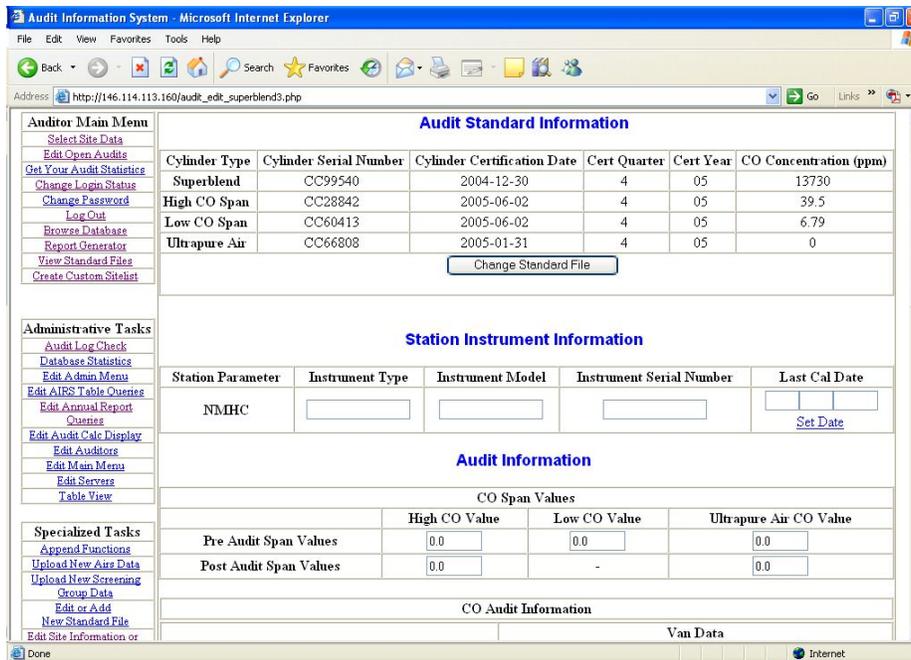


Figure 13.1.2 Data Input Screen

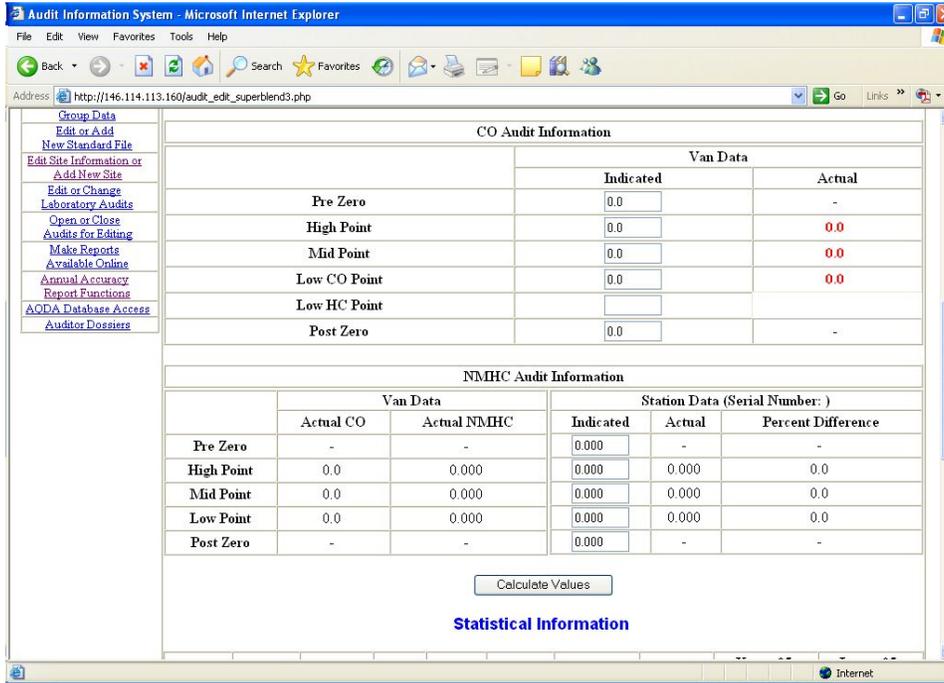


Figure 13.1.3 Data Input Screen Continued

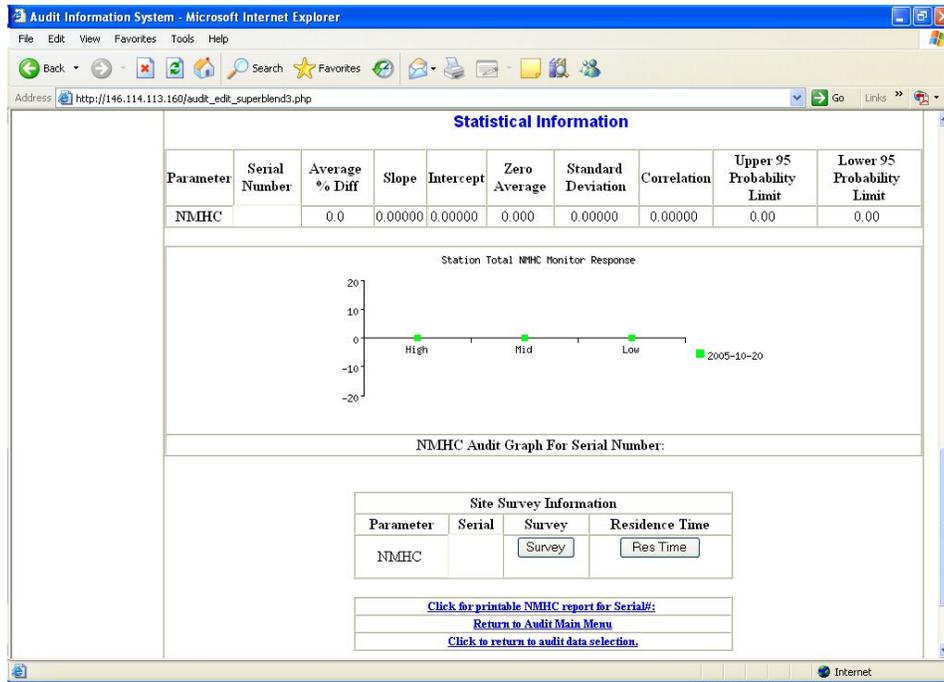


Figure 13.1.4 Data Input Screen Continued

AK.14 CH₄ AUDIT

AK.14.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 14.1.1, check the box for CH₄ under Superblend #3. Then click on the “Add Primary Audit” button to add CH₄ to the current audit. At the next screen, under CH₄, click on the “Do Selected Audit” button to go to the data input screen shown in Figures 14.1.2, 14.1.3, and 14.1.4.

AK.14.2 AUDIT STANDARD INFORMATION

Double check that the standards file is current with the current quarter, year, and instrument. If not, click on the “Change” button and choose the correct settings from the drop down menu. Then click on “Select Standard” button to return to the data input screen.

AK.14.3 STATION INSTRUMENT INFORMATION

From the data input screen choose the Instrument Type and Model from the drop down menu. The Instrument Serial Number and Last Cal Date can be keyed in.

AK.14.4 AUDIT INFORMATION ENTRY

On the data input screen, under CO Span Values, key in the Pre Audit Span Values for High and Low CO and Ultrapure Air. Key in the Post Audit Span Values for High CO and Ultrapure Air when performed. These fields correspond with the Van CO Calibration Responses table on the QA Audit Data Worksheet, Audit Van Response.

Under CO Audit Information there is a column labeled Van Data. In the sub-column titled Indicated, input the appropriate readings from the CO Display Reading column in the Van CO Dilution Responses table on the worksheet. In the neighboring Indicated column under Station Data, input the appropriate readings from the CO column of the Instrument Range and Response table on the Station Response Worksheet.

After the CO audit is completed and the data is entered, enter the CH₄ data. Under CH₄ Audit Information there is a column labeled Station Data. In the sub-column titled Indicated, input the appropriate readings from the CH₄ column of the Instrument Range and Response table on the Station Response Worksheet. The Van Data is calculated based on the values from the CO audit.

After inputting these values you must click on the “Calculate Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information and Residence Time see Sections AK.31 and AK.32 respectively.

AK.14.5 STATISTICAL INFORMATION

This section of the data input screen automatically calculates Average Percent Difference, Slope, Intercept, Zero Average, Standard Deviation, Correlation, and the Upper and Lower 95 Probability Limits when the “Calculate Values” button is clicked. Also shown is an Audit Data Comparison graph that displays the current results as well as previous years’ results.

AK.14.6 FAILURES AND WARNINGS / CLOSING

On the data input screen below the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the CH₄ audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

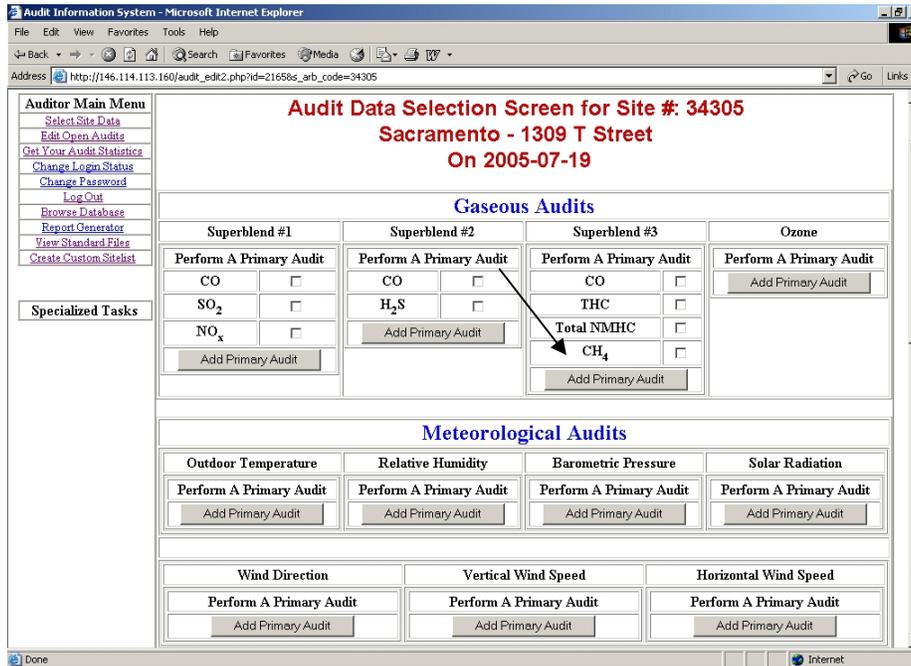


Figure 14.1.1 Audit Data Selection Screen

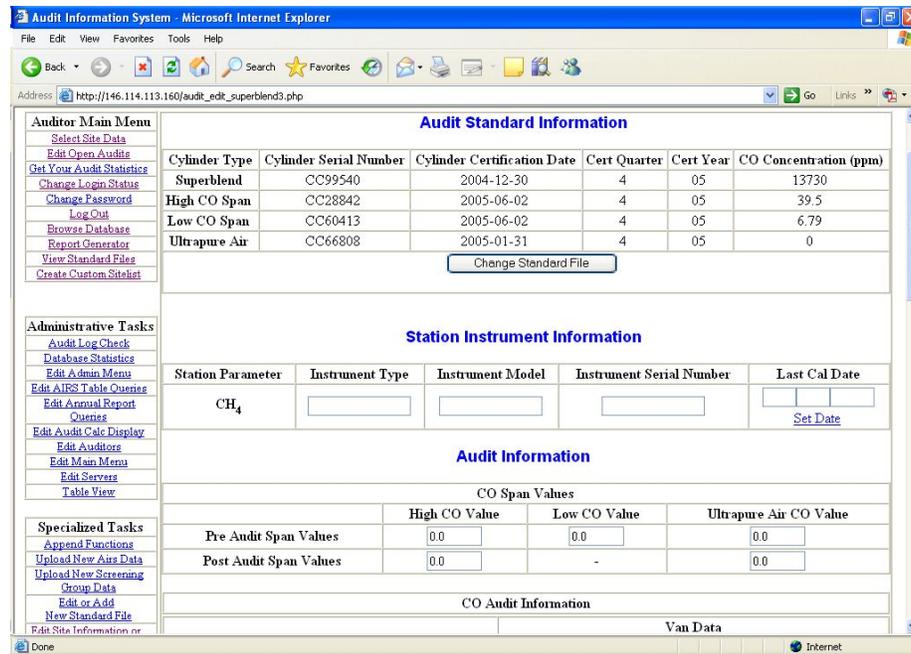


Figure 14.1.2 Data Input Screen

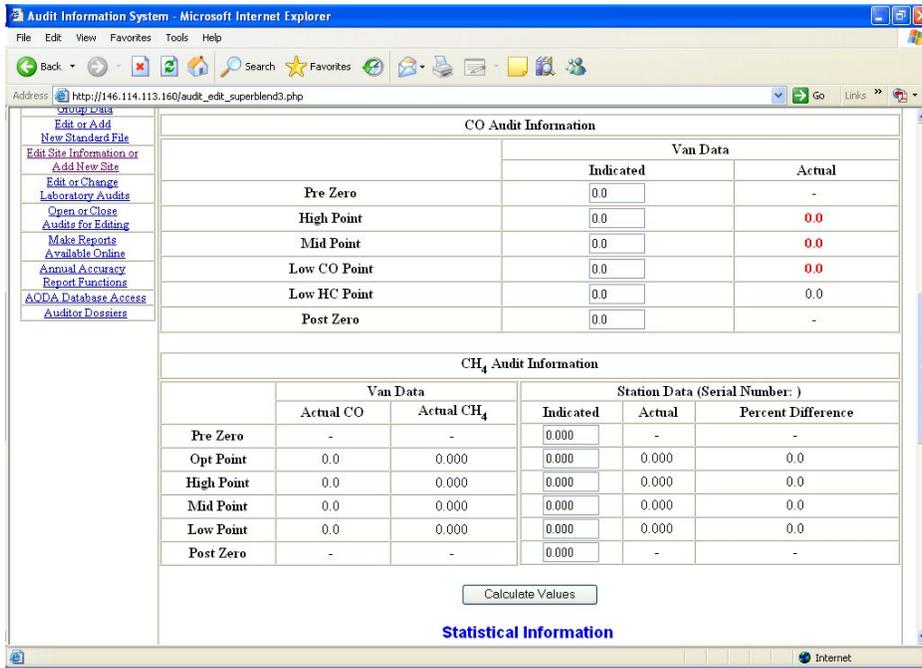


Figure 14.1.3 Data Input Screen Continued

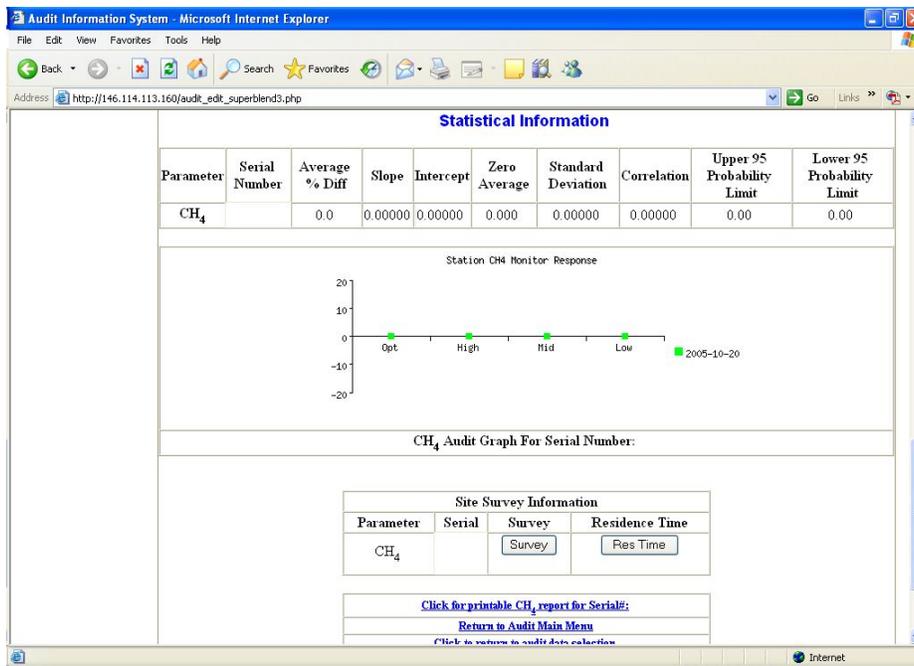


Figure 14.1.4 Data Input Screen Continued

AK.15 OZONE AUDIT

AK.15.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 15.1.1, click on the “Add Primary Audit” button to add Ozone to the current audit. At the next screen, under Ozone, click on the “Do Selected Audit” button to go to the data input screen shown in Figure 15.1.2.

AK.15.2 AUDIT INSTRUMENT INFORMATION

Double check that the standards file is current with the current quarter, year, and instrument. If not, click on the “Change” button and choose the correct settings from the drop down menu. Then click on “Select Standard” button to return to the data input screen.

AK.15.3 STATION INSTRUMENT INFORMATION

From the data input screen choose the Instrument Type and Model from the drop down menu. The Instrument Serial Number and Last Cal Date can be keyed in.

AK.15.4 AUDIT INFORMATION ENTRY

On the data input screen there is a column labeled Van Data. In the sub-column titled Indicated, input the appropriate readings from the Van Ozone Responses table on the Audit Van Response worksheet. In the neighboring Indicated column under Station Data, input the appropriate readings from the Instrument Range and Response table on the Station Response Worksheet.

After inputting these values you must click on the “Update Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

AK.15.5 STATISTICAL INFORMATION

This section of the data input screen automatically calculates Average Percent Difference, Slope, Intercept, Zero Average, Standard Deviation, Correlation, and the Upper and Lower 95 Probability Limits when the “Update Values” button is clicked. Also shown is an Audit Data Comparison graph that displays the current results as well as previous years’ results.

For Site Survey Information and Residence Time see Sections AK.31 and AK.32 respectively.

AK.15.6 FAILURES AND WARNINGS / CLOSING

On the data input screen below the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the ozone audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

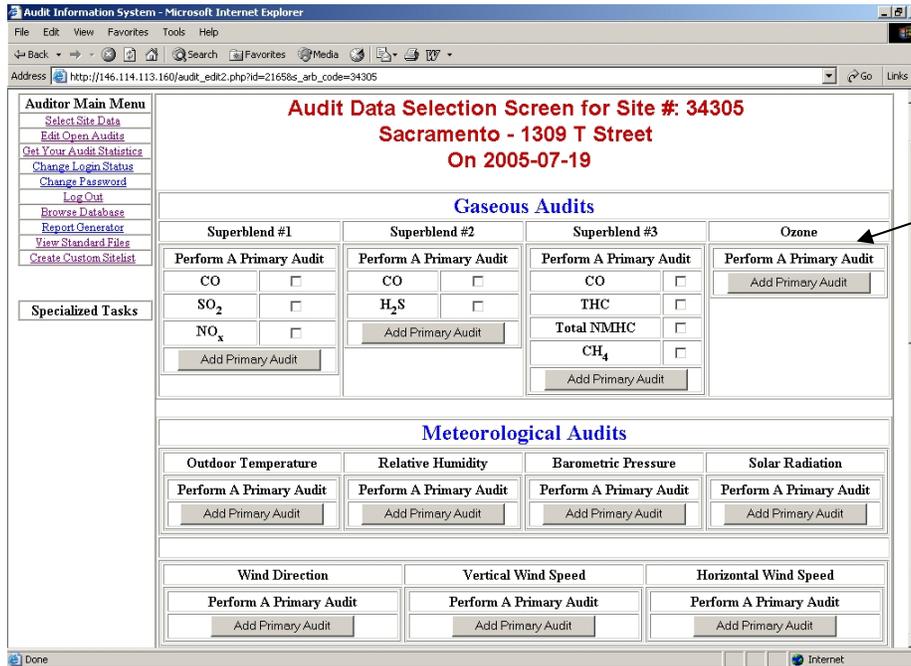


Figure 15.1.1 Audit Data Selection Screen

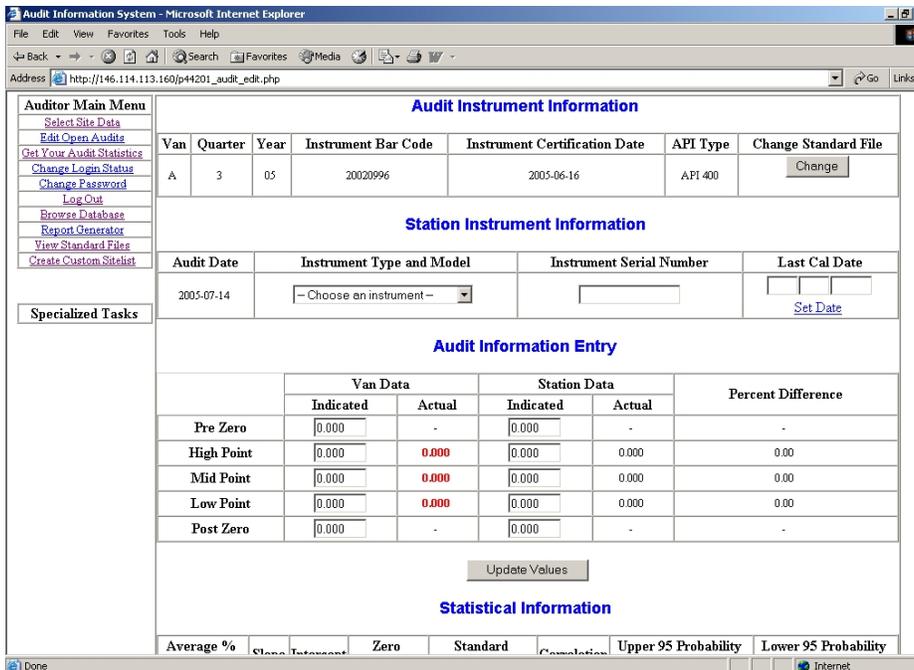


Figure 15.1.2 Data Input Screen

AK.16 OUTDOOR TEMPERATURE AUDIT

AK.16.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 16.1.1, click on the “Add Primary Audit” button to add Outdoor Temperature to the current audit. At the next screen, under Outdoor Temperature, click on the “Do Selected Audit” button to go to the data input screen shown in Figure 16.1.2.

AK.16.2 AUDIT INSTRUMENT INFORMATION

Double check that the standards file is current with the current quarter, year, and instrument. If not, click on the “Change” button and choose the correct settings from the drop down menu. Then click on “Select Standard” button to return to the data input screen.

AK.16.3 STATION INSTRUMENT INFORMATION

From the data input screen choose the Instrument Type and Model from the drop down menu. The Instrument Serial Number and Last Cal Date can be keyed in. Select the Station Display Units and the Aspirator Type from the drop down menus.

AK.16.4 AUDIT INFORMATION ENTRY

On the data input screen there is a column labeled Van Data. In the sub-column titled Indicated, input the appropriate readings from the Audit Sensor table on the QA Audit Worksheet, Temperature and Relative Humidity. In the neighboring Indicated column under Station Data, input the appropriate readings from the Station Sensor table on the worksheet.

After inputting these values you must click on the “Enter Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information see Section AK.31.

AK.16.5 FAILURES AND WARNINGS / CLOSING

On the data input screen above the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the Temperature audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

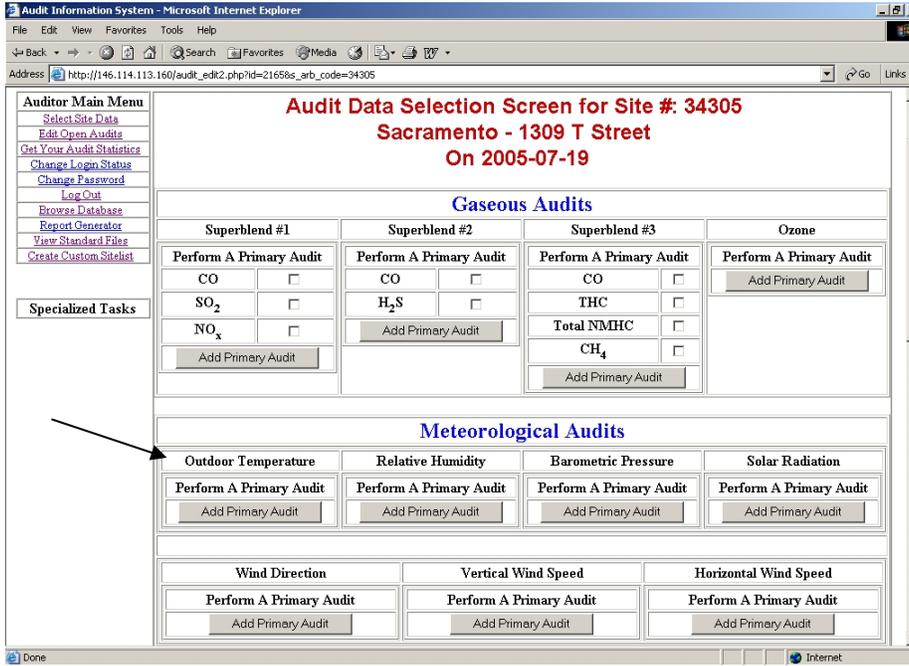


Figure 16.1.1 Audit Data Selection Screen

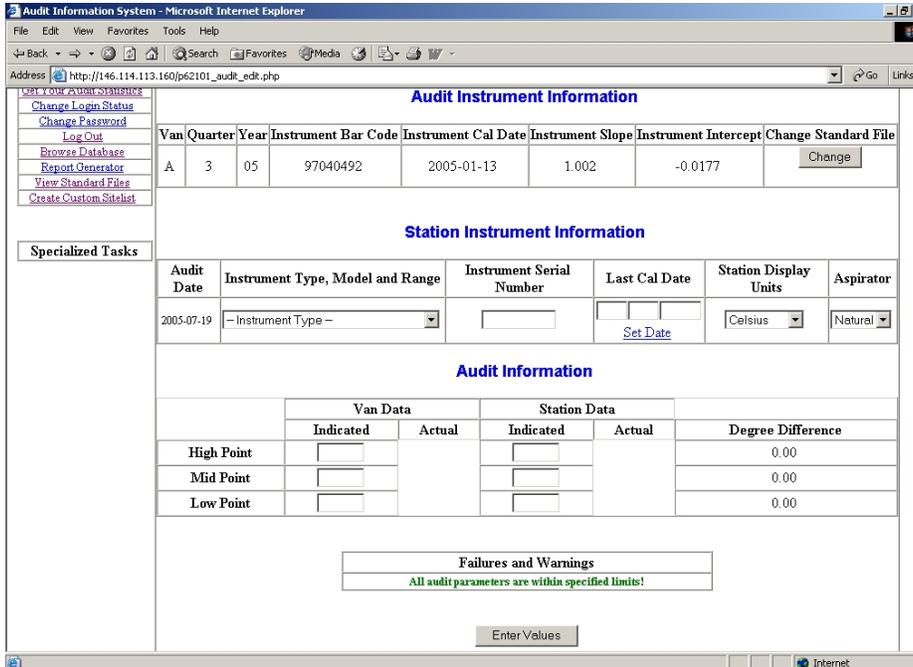


Figure 16.1.2 Data Input Screen

AK.17 RELATIVE HUMIDITY AUDIT

AK.17.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 17.1.1, click on the “Add Primary Audit” button to add Relative Humidity to the current audit. At the next screen, under Relative Humidity, click on the “Do Selected Audit” button to go to the data input screen shown in Figure 17.1.2.

AK.17.2 AUDIT INSTRUMENT INFORMATION

Double check that the standards file is current with the current quarter, year, and instrument. If not, click on the “Change” button and choose the correct settings from the drop down menu. Then click on “Select Standard” button to return to the data input screen.

AK.17.3 STATION INSTRUMENT INFORMATION

From the data input screen choose the Instrument Type and Model from the drop down menu. The Instrument Serial Number and Last Cal Date can be keyed in. Select the Aspirator Type from the drop down menu as well.

AK.17.4 AUDIT INFORMATION ENTRY

On the data input screen there is a column labeled Van Data. In the sub-column titled Indicated, input the appropriate readings from the Audit Sensor table on the QA Audit Worksheet, Temperature and Relative Humidity. In the neighboring Indicated column under Station Data, input the appropriate readings from the Station Sensor table on the worksheet.

After inputting these values you must click on the “Enter Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information see Section AK.31.

AK.17.5 FAILURES AND WARNINGS / CLOSING

On the data input screen above the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the Relative Humidity audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

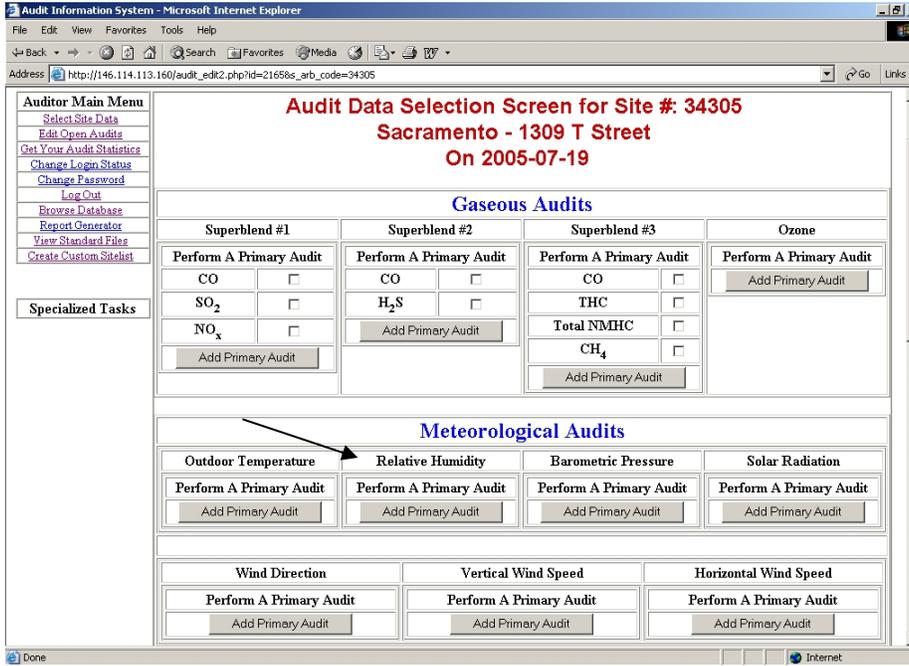


Figure 17.1.1 Audit Data Selection Screen

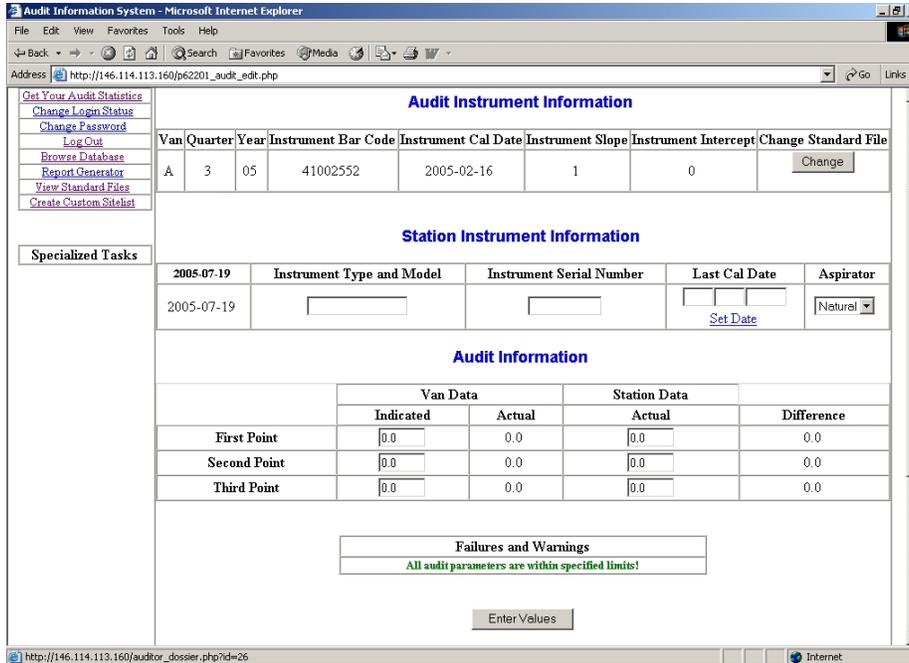


Figure 17.1.2 Data Input Screen

AK.18 BAROMETRIC PRESSURE AUDIT

AK.18.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 18.1.1, click on the “Add Primary Audit” button to add Barometric Pressure to the current audit. At the next screen, under Barometric Pressure, click on the “Do Selected Audit” button to go to the data input screen shown in Figure 18.1.2.

AK.18.2 AUDIT INSTRUMENT INFORMATION

Double check that the standards file is current with the current quarter, year, and instrument. If not, click on the “Change” button and choose the correct settings from the drop down menu. Then click on “Select Standard” button to return to the data input screen.

AK.18.3 STATION INSTRUMENT INFORMATION

From the data input screen choose the Instrument Type and Model from the drop down menu. The Instrument Serial Number and Last Cal Date can be keyed in. Next click on the appropriate button for Station Units between mmHg, inHg, PSI, ATM, Pascals, and Millibars.

AK.18.4 AUDIT INFORMATION ENTRY

On the data input screen there is a column labeled Van Data. In the sub-column titled Indicated, input the appropriate readings from the Audit Sensor Value column on the Barometric Pressure table on the QA Audit Worksheet, Barometric Pressure and Solar Radiation. In the neighboring Indicated column under Station Data, input the appropriate readings from the Station Sensor Value column on the worksheet.

After inputting these values you must click on the “Enter Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information see Section AK.31.

AK.18.5 FAILURES AND WARNINGS / CLOSING

On the data input screen above the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the Barometric Pressure audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

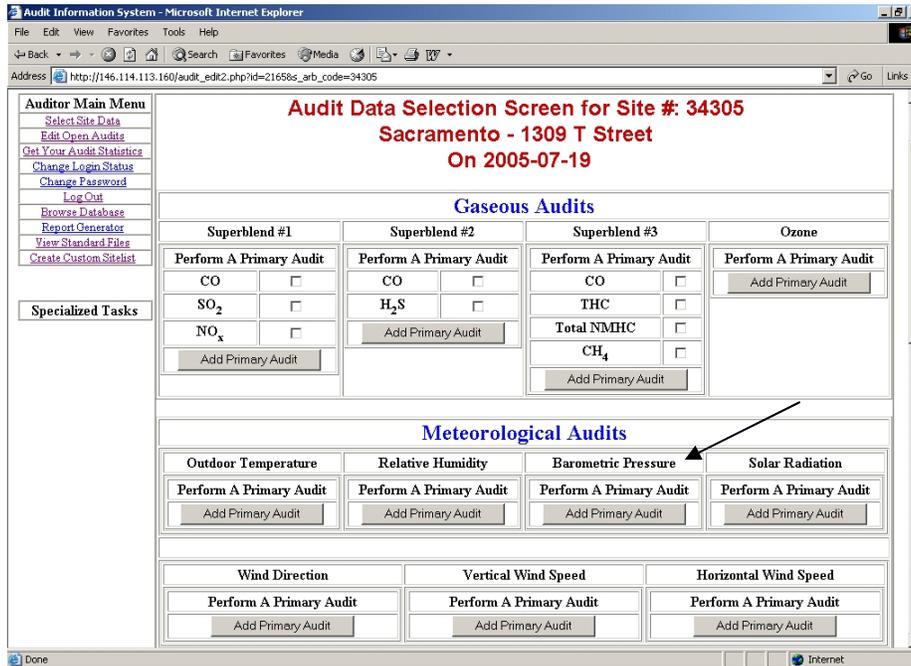


Figure 18.1.1 Audit Data Selection Screen

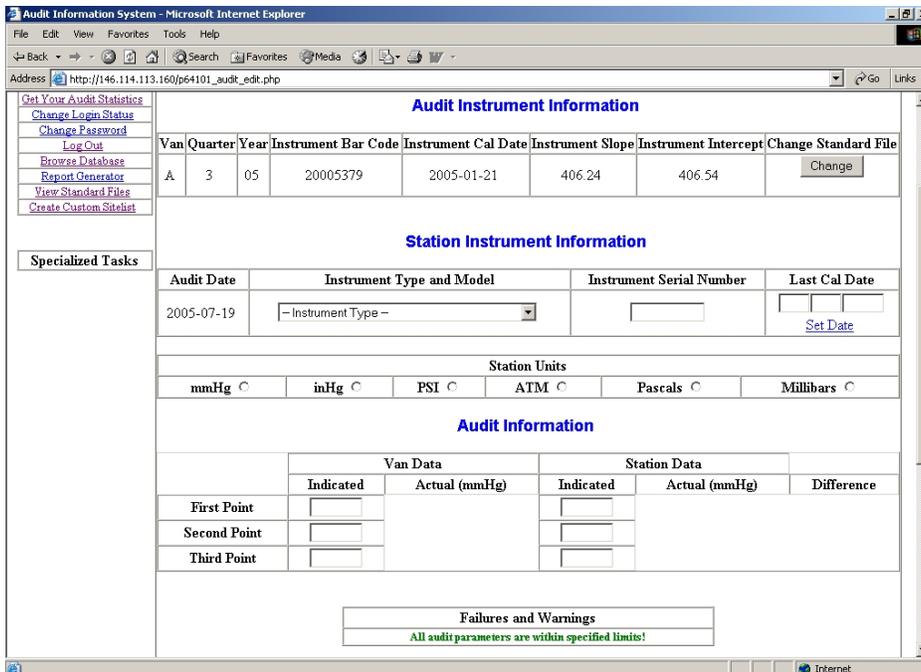


Figure 18.1.2 Data Input Screen

AK.19 SOLAR RADIATION AUDIT

AK.19.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 19.1.1, click on the “Add Primary Audit” button to add Solar Radiation to the current audit. At the next screen, under Solar Radiation, click on the “Do Selected Audit” button to go to the data input screen shown in Figure 19.1.2.

AK.19.2 AUDIT INSTRUMENT INFORMATION

Key in the Instrument Bar Code in the designated field.

AK.19.3 STATION INSTRUMENT INFORMATION

From the data input screen key in the Instrument Type and Model, Range, Instrument Serial Number, and Last Cal Date in the appropriate fields. Next click on the appropriate button for Station Units between Watt/m², Langleys, and Millilangleys.

AK.19.4 AUDIT INFORMATION ENTRY

On the data input screen there is a column labeled Van Data. In the sub-column titled Indicated, input the appropriate readings from the Audit Sensor Value column on the Solar Radiation table on the QA Audit Worksheet, Barometric Pressure and Solar Radiation. In the neighboring Indicated column under Station Data, input the appropriate readings from the Station Sensor Value column on the worksheet.

After inputting these values you must click on the “Enter Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information see Section AK.31.

AK.19.5 FAILURES AND WARNINGS / CLOSING

On the data input screen above the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the Solar Radiation audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

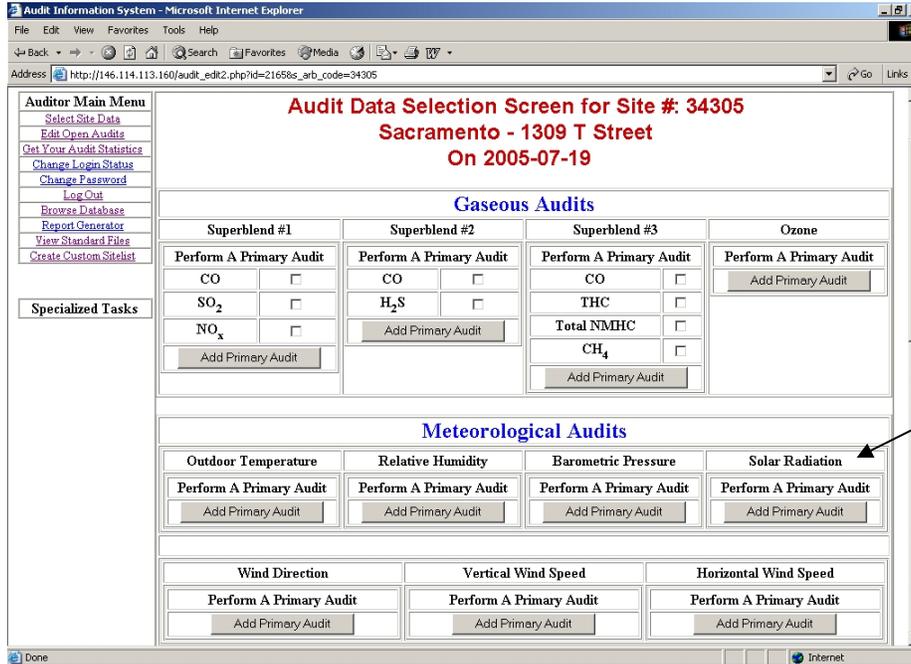


Figure 19.1.1 Audit Data Selection Screen

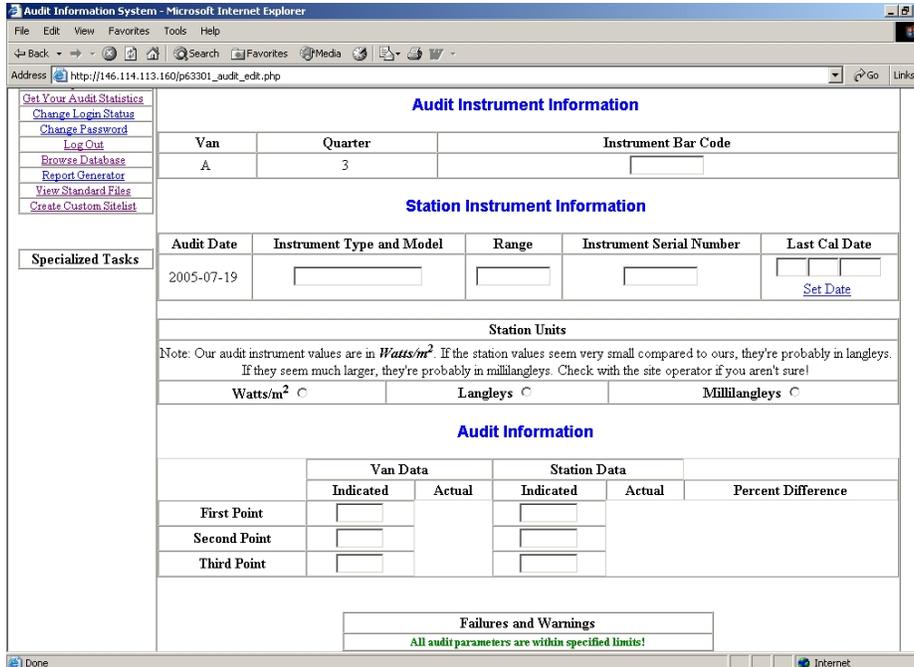


Figure 19.1.2 Data Input Screen

AK.20 WIND DIRECTION AUDIT

AK.20.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 20.1.1, click on the “Add Primary Audit” button to add Wind Direction to the current audit. At the next screen, under Wind Direction, click on the “Do Selected Audit” button to go to the data input screen shown in Figure 20.1.2.

AK.20.2 STATION INSTRUMENT INFORMATION

From the data input screen select the Instrument Type, Model and K Factor, and key in the Instrument Serial Number and Last Cal Date in the appropriate fields.

AK.20.3 AUDIT CALCULTIONS AND INFORMATION ENTRY

On the data input screen under Boom Orientation key in the Compass Reading, Declination, and Sensor Alignment. Below that, key in Torque. In the column titled Station Data, Reported Direction, input the appropriate readings from the Station Sensor Value column on the Wind Direction table on the QA Audit Worksheet, Wind Speed and Direction. In the neighboring Van Data, Actual Direction column, input the appropriate readings from the Audit Fixture Direction column on the worksheet (should be 90, 180, 270, 360, 450).

After inputting these values you must click on the “Enter Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information see Section AK.31.

AK.20.4 FAILURES AND WARNINGS / CLOSING

On the data input screen above the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the Wind Direction audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

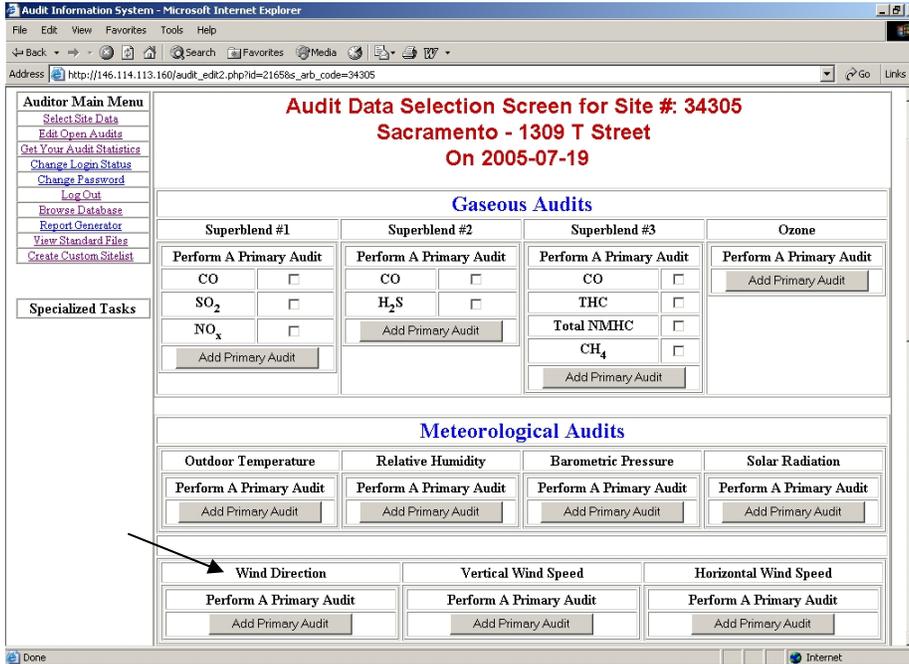


Figure 20.1.1 Audit Data Selection Screen

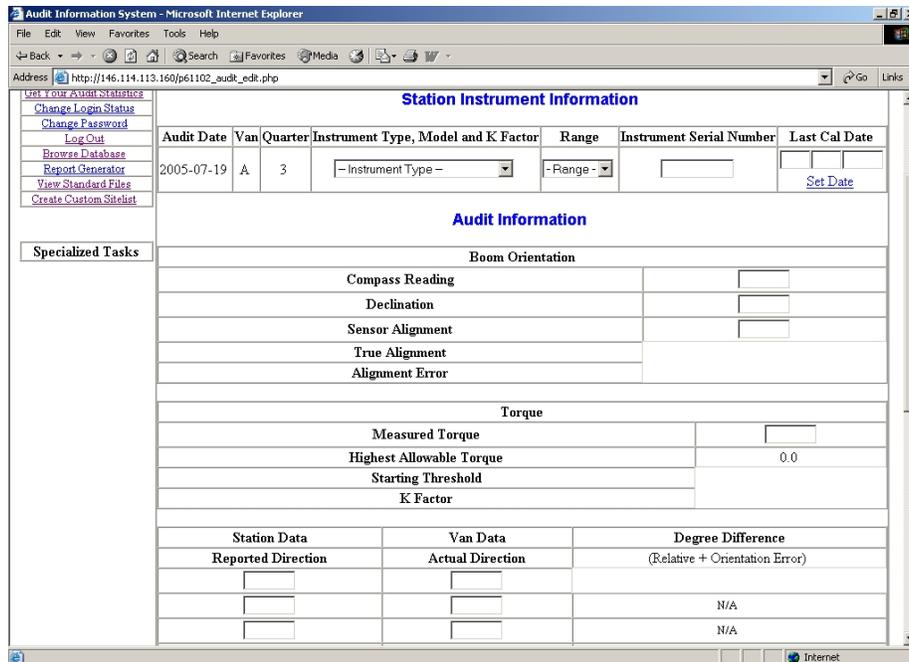


Figure 20.1.2 Data Input Screen

AK.21 VERTICAL AND HORIZONTAL WIND SPEED AUDIT

AK.21.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 21.1.1, click on the “Add Primary Audit” button to add either Vertical or Horizontal Wind Speed to the current audit. At the next screen, under Vertical or Horizontal Wind Speed, click on the “Do Selected Audit” button to go to the data input screen shown in Figure 21.1.2.

AK.21.2 STATION INSTRUMENT INFORMATION

From the data input screen select the Instrument Type, Model and K Factor, and key in the Instrument Serial Number and Last Cal Date in the appropriate fields.

AK.21.3 AUDIT INFORMATION ENTRY

On the data input screen under Station Units click on the appropriate button from m/s, Knots, MPH, and kmPH. Next, key in the Measured Torque and choose PAMS or PSD Criteria from the drop down menu. On the data input screen there is a column labeled Van Data. In the sub-column titled Reference, input the appropriate readings from the Motor Speed (RPM) column in the Wind Speed Audit table on the QA Audit Worksheet, Wind Speed and Direction. In the neighboring Reported Speed column under Station Data, input the appropriate readings from the Station Sensor Value column on the worksheet.

After inputting these values you must click on the “Enter Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information see Section AK.31.

AK.21.4 FAILURES AND WARNINGS / CLOSING

On the data input screen above the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the Wind Speed audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

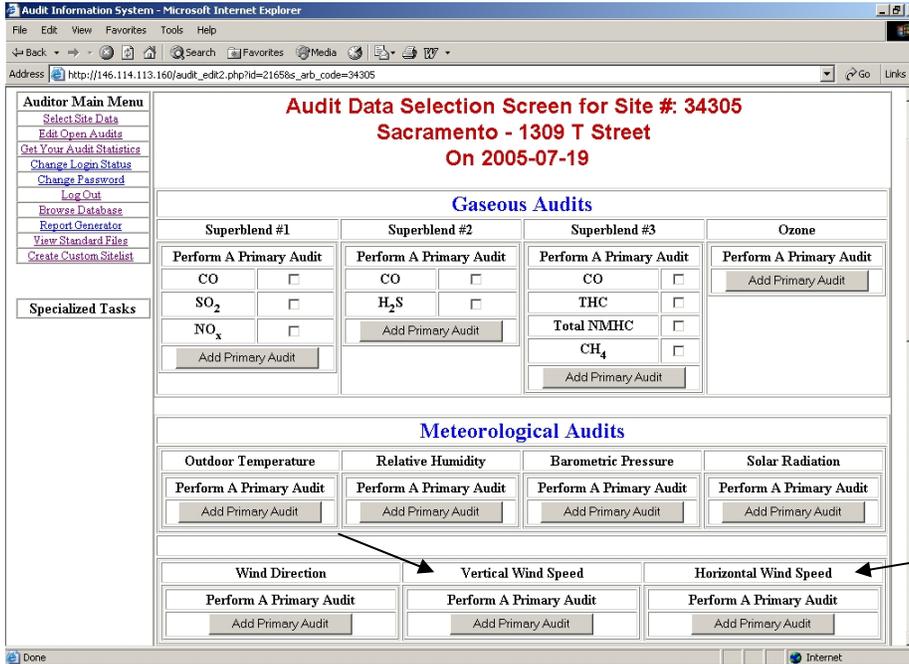


Figure 21.1.1 Audit Data Selection Screen

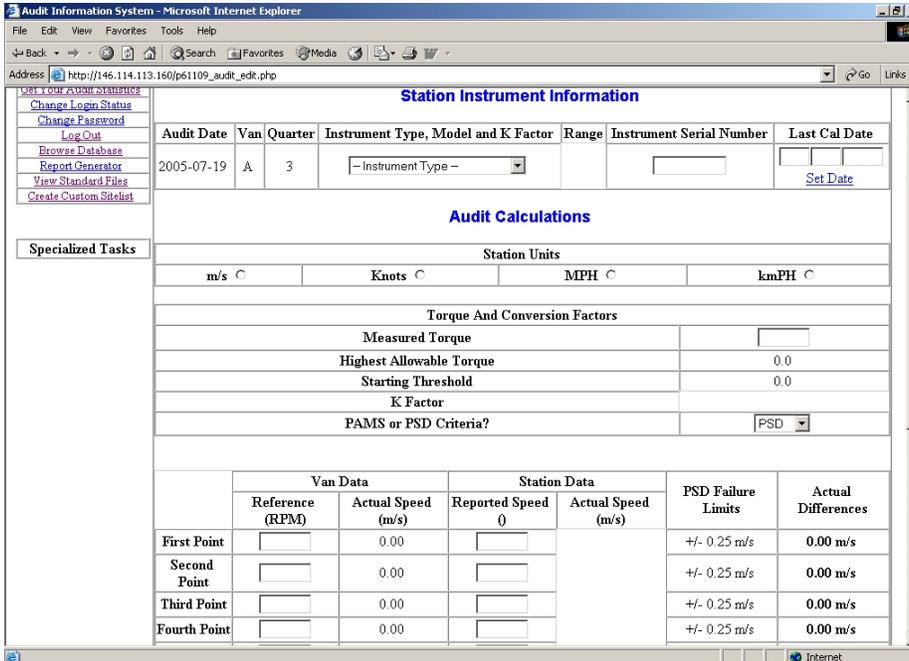


Figure 21.1.2 Data Input Screen

AK.22 PM10 AUDIT

AK.22.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 22.1.1, click on the “Add Primary Audit” button to add PM10 to the current audit. At the next screen, under PM10, click on the “Do Selected Audit” button to go to the data input screen shown in Figure 22.1.2.

AK.22.2 AUDIT INSTRUMENT INFORMATION

Double check that the Van Audit Flow, Barometer, and Temperature Standards are current with the current quarter, year, and instrument.

AK.22.3 STATION INSTRUMENT INFORMATION

From the data input screen key in the Instrument Type, Model and Serial Number and Last Cal Date in the appropriate fields.

AK.22.4 AUDIT INFORMATION ENTRY

On the data input screen under Station Slope/Intercept Data, check the box if you are correcting Dickson Chart reading using the station slope and intercept (if mass flow controller). Then key in the Station Slope and Station Intercept in the neighboring fields. In addition, check the box Correct Station for STP if the station’s flow readings have been corrected. Then choose the equation type from the drop down menu.

Next on the data input screen is a column labeled Van Data. In the sub-column titled Pressure Drop (inches H₂O), input the appropriate readings from either the Audit MFM Display or Delta Cal Display (whichever you are using) column in the Sampler Flow Rates table on the QA Audit Worksheet, PM10 Single Channel/Partisol Sampler. In the neighboring Dixon Chart Reading column under Station Data, input the appropriate readings from the Sampler Response column on the worksheet.

Then key in the Indicated Temperature and Barometer Display from the Sampler Filter Temperature and Barometric Pressure tables on the worksheet.

After inputting these values you must click on the “Enter Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information see Section AK.31.

AK.22.5 FAILURES AND WARNINGS / CLOSING

On the data input screen above the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the PM10 audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

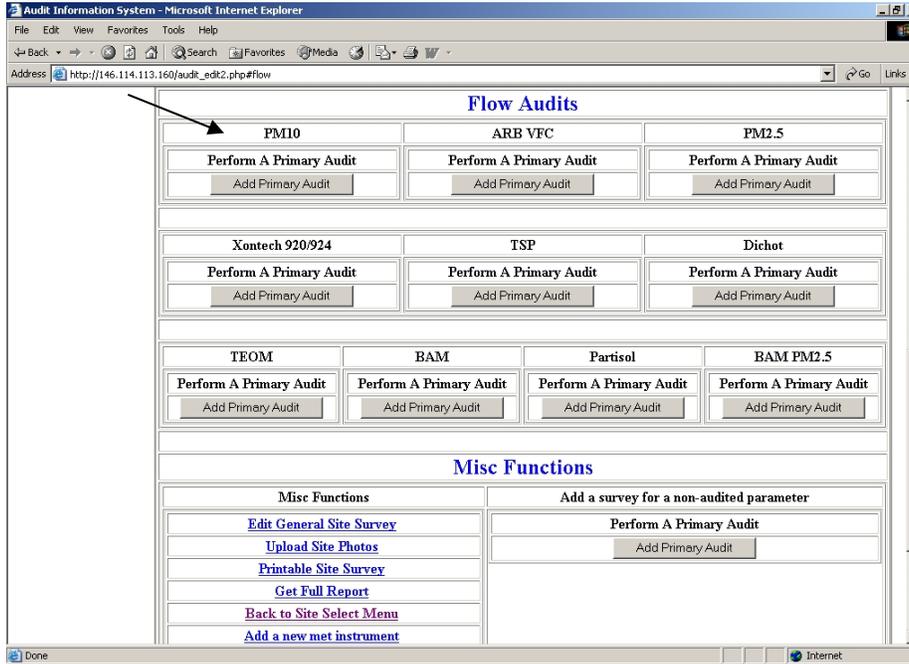


Figure 22.1.1 Audit Data Selection Screen

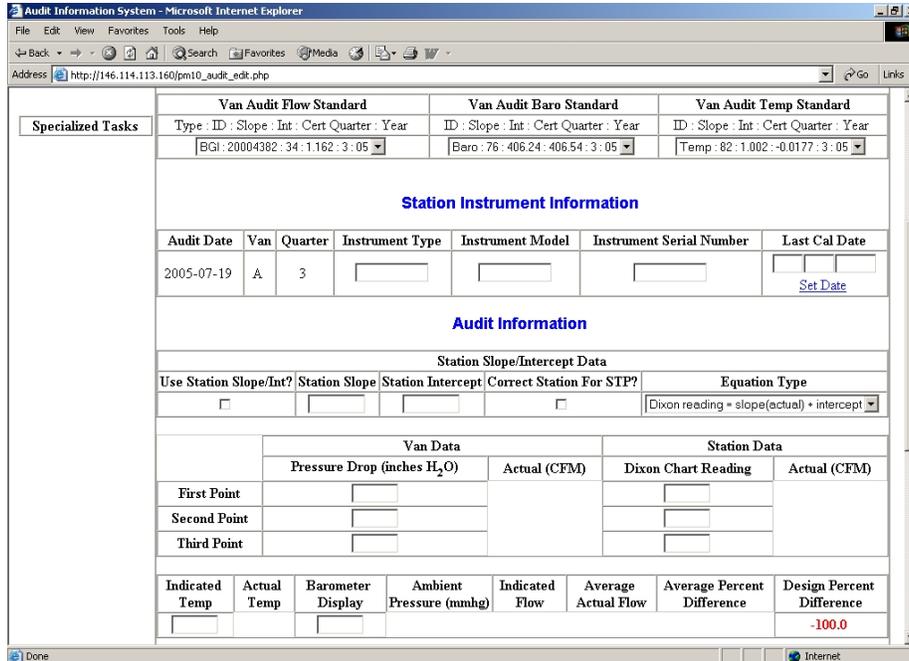


Figure 22.1.2 Data Input Screen

AK.23 ARB VFC AUDIT

AK.23.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 23.1.1, click on the “Add Primary Audit” button to add ARB VFC to the current audit. At the next screen, under ARB VFC, click on the “Do Selected Audit” button to go to the data input screen shown in Figure 23.1.2.

AK.23.2 AUDIT INSTRUMENT INFORMATION

Double check that the Van Audit Flow, Barometer, and Temperature Standards are current with the current quarter, year, and instrument.

AK.23.3 STATION INSTRUMENT INFORMATION

From the data input screen key in the Instrument Type, Model and Serial Number and Last Cal Date in the appropriate fields.

AK.23.4 AUDIT INFORMATION ENTRY

On the data input screen there is a column labeled Van Data. In the sub-column titled Pressure Drop (inches H₂O), input the appropriate readings from either the Audit MFM Display or Delta Cal Display (whichever you are using) column in the Sampler Flow Rates table on the QA Audit Worksheet, PM₁₀ Single Channel/Partisol Sampler. In the neighboring Magnehelic Reading column under Station Data, input the appropriate readings from the Magnehelic.

Then key in the Indicated Temperature and Barometer Display from the Sampler Filter Temperature and Barometric Pressure tables on the worksheet.

After inputting these values you must click on the “Enter Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information see Section AK.31.

AK.23.5 FAILURES AND WARNINGS / CLOSING

On the data input screen above the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the ARB VFC audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

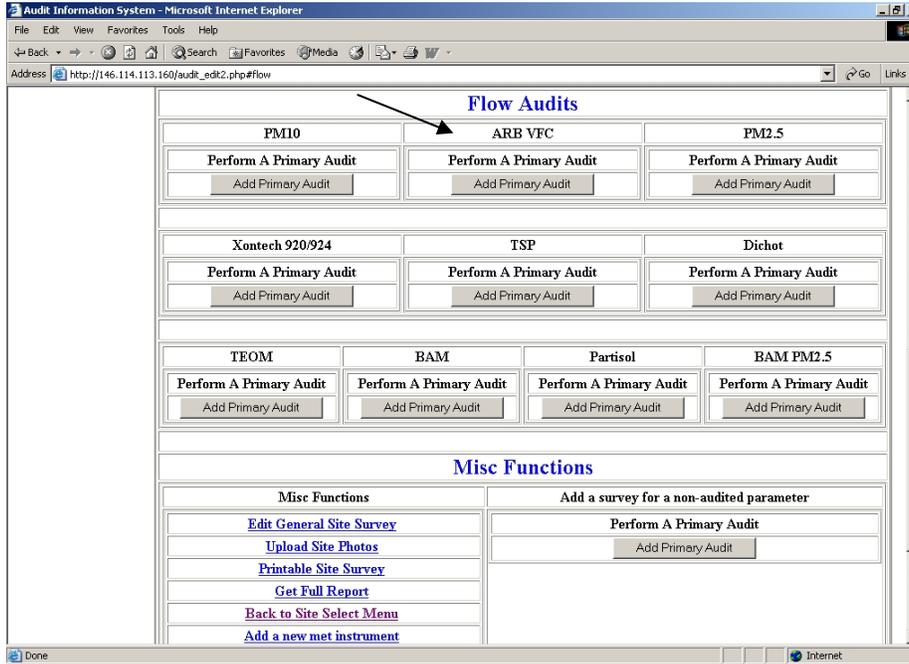


Figure 23.1.1 Audit Data Selection Screen

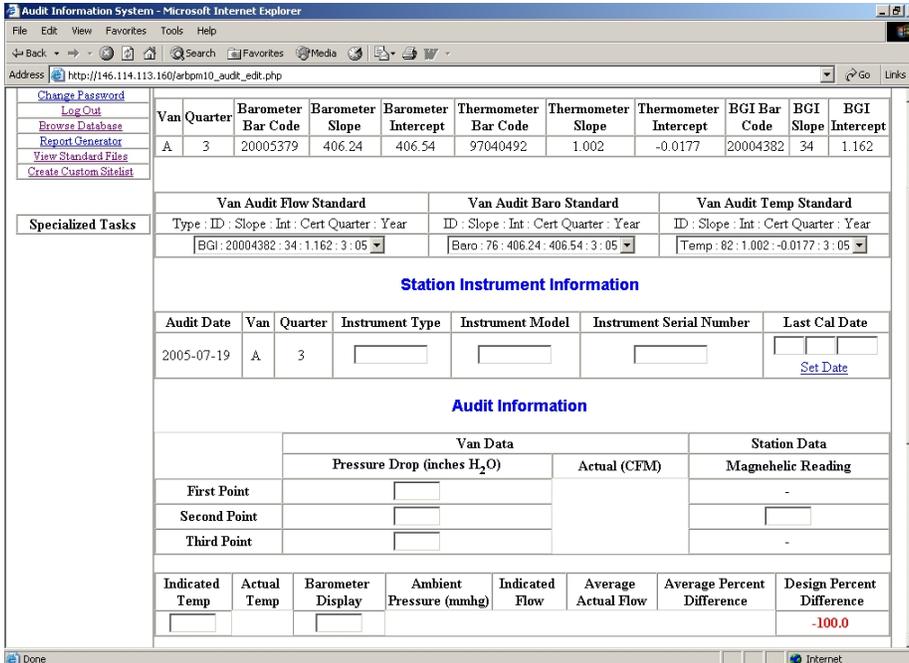


Figure 23.1.2 Data Input Screen

AK.24 PM2.5 AUDIT

AK.24.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 24.1.1, click on the “Add Primary Audit” button to add PM2.5 to the current audit. At the next screen, under PM2.5, click on the “Do Selected Audit” button to go to the data input screen shown in Figure 24.1.2 and 24.1.3.

AK.24.2 AUDIT INSTRUMENT INFORMATION

Double check that the Van Audit Flow, Barometer, and Temperature Standards are current with the current quarter, year, and instrument.

AK.24.3 STATION INSTRUMENT INFORMATION

From the data input screen key in the Instrument Type, Model and Serial Number and Last Cal Date in the appropriate fields. From the drop down menu select Yes or No if it is a speciated sampler or not.

AK.24.4 AUDIT INFORMATION ENTRY

On the data input screen there is a column labeled Van Data. In the sub-column titled Audit Instrument Display Reading, input the appropriate readings from the DeltaCal (LPM) column in the Audit Data Flow Rates table on the QA Audit Worksheet, PM2.5 Single and Sequential Samplers. In the neighboring Station Reading (LPM) column under Station Data, input the appropriate readings from the Sampler (LPM) column on the worksheet.

Then key in the Flow Audit Indicated Temperature. Key in the Barometer Display and Station Pressure (mmhg) from the Audit Sensor and Sampler Sensor boxes, respectively, on the Barometric Pressure table

Below that section there is a table for Station Temperature and Van Temperature readings. Key in the Filter Temperature, Inactive Filter Temperature, and Dry Gas Meter Temperature. Key in the three ambient temperature readings from the Sample Temperature-Water Bath Method table.

After inputting these values you must click on the “Enter Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information see Section AK.31.

AK.24.5 FAILURES AND WARNINGS / CLOSING

On the data input screen above the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the PM2.5 audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

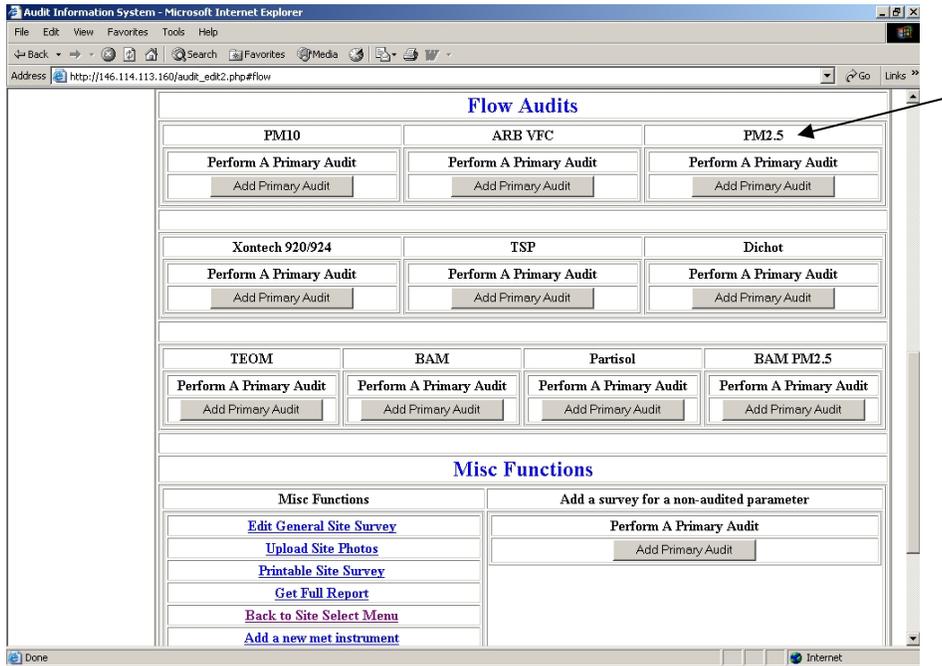


Figure 24.1.1 Audit Data Selection Screen

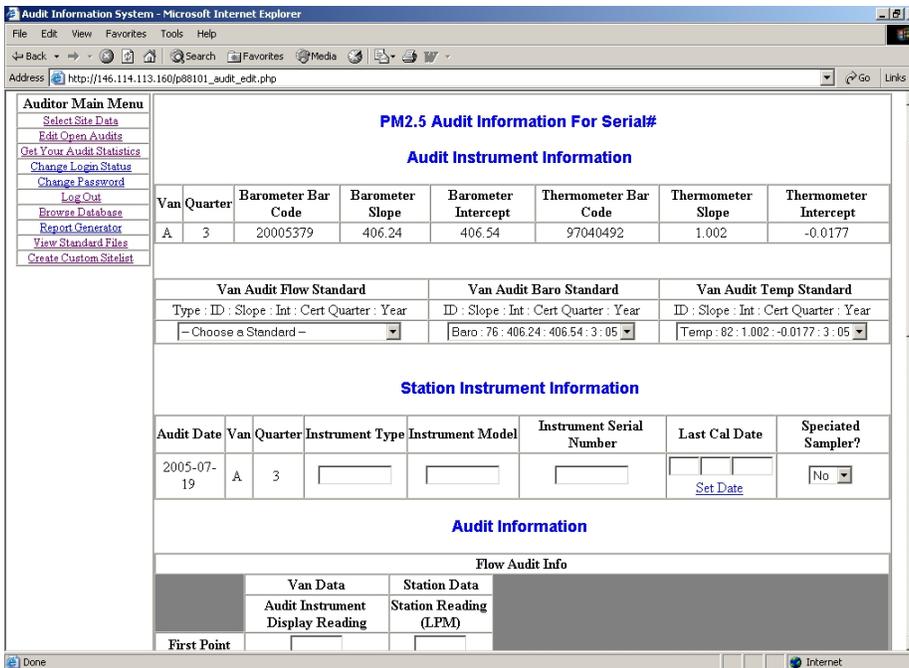


Figure 24.1.2 Data Input Screen

Audit Information System - Microsoft Internet Explorer

Address: http://146.114.113.160/p88101_audit_edit.php

Audit Information

Flow Audit Info						
	Van Data		Station Data			
	Audit Instrument Display Reading	Station Reading (LPM)	Station Reading (LPM)	Station Reading (LPM)		
First Point	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Second Point	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Third Point	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Average Van Flow (SLPM)	Average Actual Flow
Average Readings					Percent Difference	Design Difference
					-100.0	
Flow Audit Ind Temp	Actual Flow Audit Temp	Barometer Display (volts if not Delta Cal)	Van Pressure (mmhg)	Station Pressure (mmhg)	Pressure Difference	Leak Check Flow (LPM)
<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0	<input type="text"/>	0.0	<input type="text"/>
		Station Temperature	Van Temp Reading	Van Actual Temp	Differences	
Filter Temperature		<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0	
Inactive Filter Temperature		<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0	
Dry Gas Meter Temperature		<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0	
Ambient Temperature (cold)		<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0	
Ambient Temperature (warm)		<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0	
Ambient Temperature (hot)		<input type="text"/>	<input type="text"/>	<input type="text"/>	0.0	

Figure 24.1.3 Data Input Screen Continued

AK.25 XONTECH 920/924 AUDIT

AK.25.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 25.1.1, click on the “Add Primary Audit” button to add Xontech 920/924 to the current audit. At the next screen, under Xontech 920/924, click on the “Do Selected Audit” button to go to the data input screen shown in Figure 25.1.2 and 25.1.3.

AK.25.2 AUDIT INSTRUMENT INFORMATION

Double check that the Van Audit Flow, Barometer, and Temperature Standards are current with the current quarter, year, and instrument.

AK.25.3 STATION INSTRUMENT INFORMATION

From the data input screen choose the Instrument Model from the drop down menu. Key in the Instrument Serial Number and Last Cal Date in the appropriate fields.

AK.25.4 AUDIT INFORMATION ENTRY

On the data input screen first check which channel you are auditing between Metals, Cr⁶⁺, and Aldehydes. Choose the Channel number and Head Type from the drop down menus. Then key in the Thumbwheel Setting/Slope, Flow Rate Setting/Intercept, Leak Test Voltage, and Leak Test Flow from the Xontech 920/924 Audit Worksheet.

In the Flow Audit Data Section of the data input screen, there is a column each for Metals, Cr⁶⁺, and Aldehydes. In the appropriate sub column labeled Station, input the data from the Sampler Flow column on the worksheet. In the sub-column titled Van Ind, input the appropriate readings from the Audit Flow column on the worksheet.

Then key in the Indicated Temperature and Barometer Display (in volts) from the Ambient Temperature and Ambient Pressure fields on the worksheet.

NOTE: There are two sets of the above described data entry fields on the data input screen. These are available if more than one channel is being audited.

After inputting these values you must click on the “Enter Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information see Section AK.31.

AK.25.5 FAILURES AND WARNINGS / CLOSING

On the data input screen above the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the Xontech audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

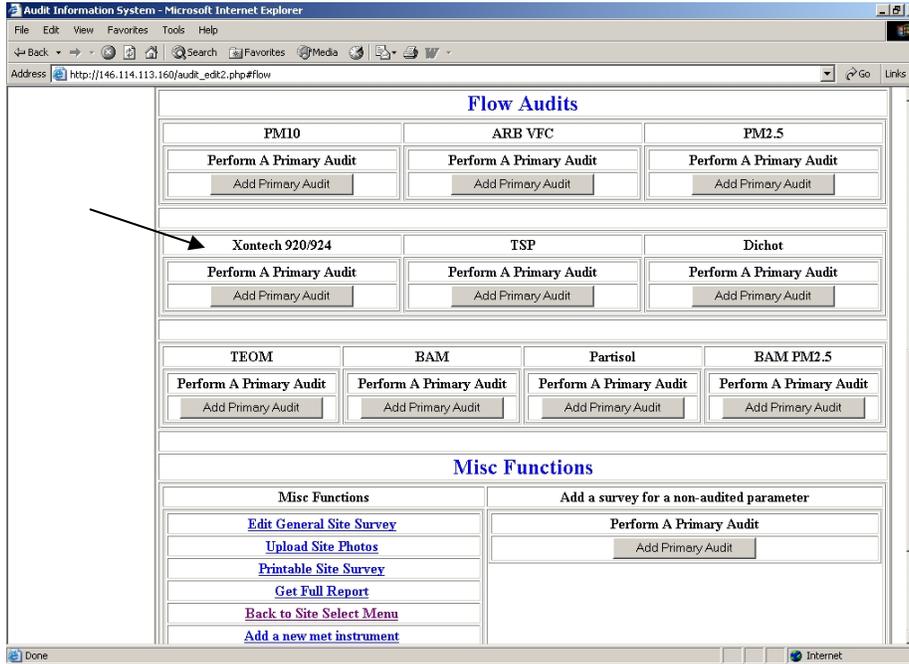


Figure 25.1.1 Audit Data Selection Screen

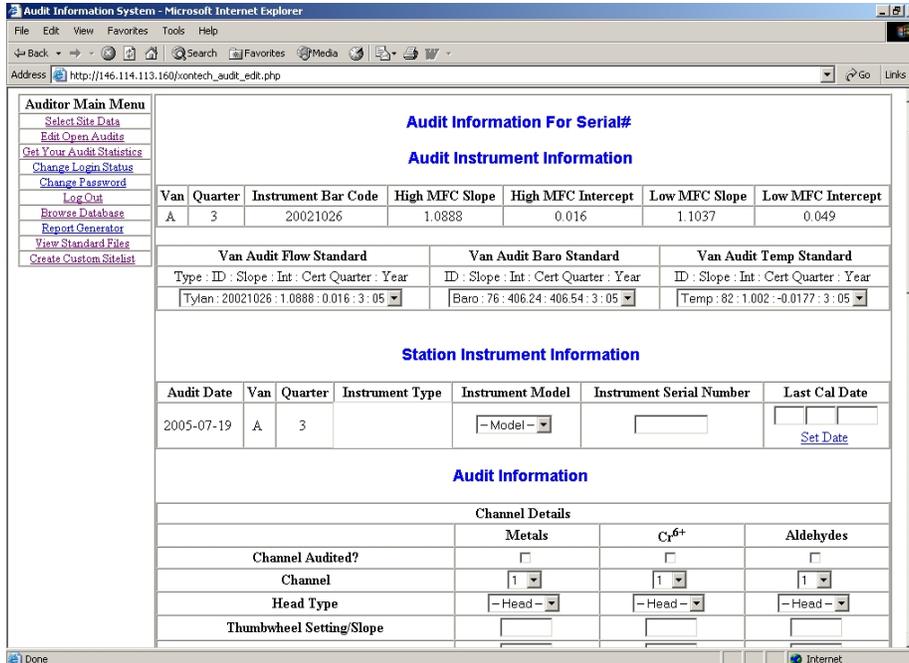


Figure 25.1.2 Data Input Screen

Audit Information System - Microsoft Internet Explorer

Address: http://146.114.113.160/xontech_audit_edit.php

Channel Details									
Select Type	- Select Type -	- Select Type -	- Select Type -						
Channel Audited?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
Channel	1	1	1						
Head Type	- Head -	- Head -	- Head -						
Thumbwheel Setting/Slope									
Flow Rate Setting/Intercept									
Leak Test Voltage									
Leak Test Flow									
Flow Audit Data									
	Station	Van Ind	Van Act	Station	Van Ind	Van Act	Station	Van Ind	Van Act
Run One	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run Two	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run Three	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Averages	0.00		0.00	0.00		0.00	0.00		0.00
Percent Diff	0.0			0.0			0.0		
Indicated Temperature		Actual Temperature		Barometer Display (volts)		Pressure (mmhg)			
0.0		0.0		0.0000		0.0			
Failures and Warnings									
All audit parameters are within specified limits!									

Figure 25.1.3 Data Input Screen Continued

AK.26 TSP AUDIT

AK.26.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 26.1.1, click on the “Add Primary Audit” button to add TSP to the current audit. At the next screen, under TSP, click on the “Do Selected Audit” button to go to the data input screen shown in Figure 26.1.2.

AK.26.2 AUDIT INSTRUMENT INFORMATION

Double check that the Van Audit Flow, Barometer, and Temperature Standards are current with the current quarter, year, and instrument.

AK.26.3 STATION INSTRUMENT INFORMATION

From the data input screen key in the Instrument Type, Model and Serial Number and Last Cal Date in the appropriate fields. Choose Sampler Type from the drop down menu.

AK.26.4 AUDIT INFORMATION ENTRY

On the data input screen under Station Slope/Intercept Data, check the box if you are correcting Dickson Chart reading using the station slope and intercept (if mass flow controller). Then key in the Station Slope and Station Intercept in the neighboring fields. In addition, check the box Correct Station for STP if the station’s flow readings have been corrected. Then choose the equation type from the drop down menu.

Next on the data input screen is a column labeled Van Data. In the sub-column titled Pressure Drop (inches H₂O), input the appropriate readings from the Audit Orifice Delta P table on the QA Audit Worksheet, PM10 and TSP. In the neighboring Dixon Chart Reading column under Station Data, input the appropriate readings from the Station Instrument Flow Rate column on the worksheet.

Then key in the Indicated Temperature and Barometer Display from the worksheet.

After inputting these values you must click on the “Enter Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information see Section AK.31.

AK.26.5 FAILURES AND WARNINGS / CLOSING

On the data input screen above the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the TSP audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

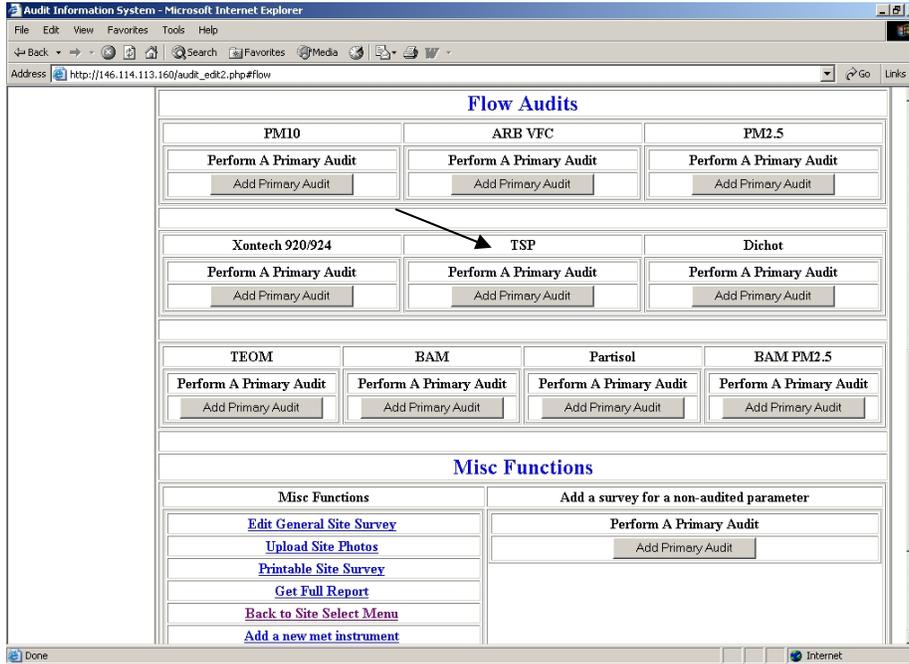


Figure 26.1.1 Audit Data Selection Screen

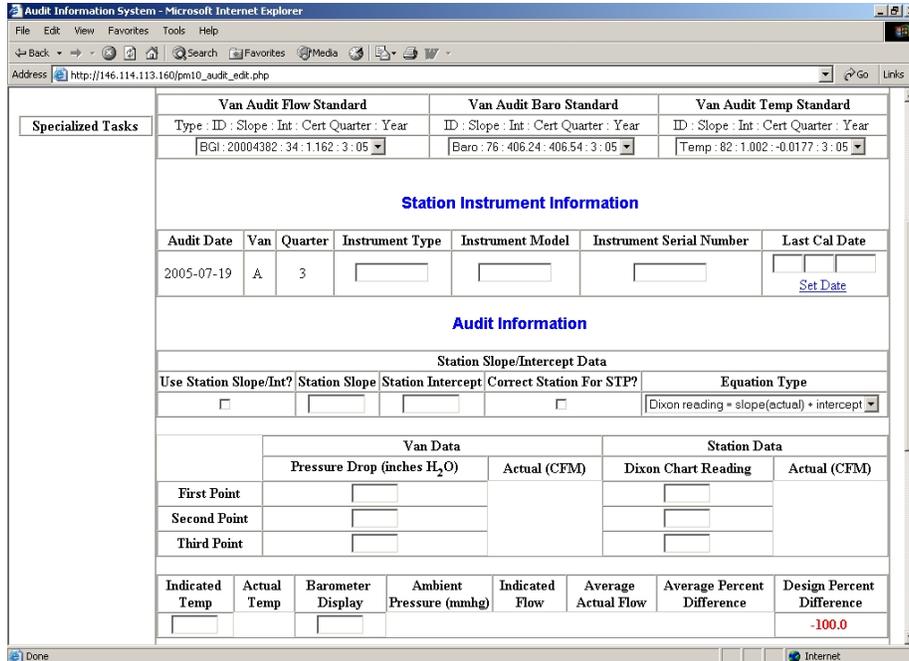


Figure 26.1.2 Data Input Screen

AK.27 TEOM AUDIT

AK.27.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 27.1.1, click on the “Add Primary Audit” button to add TEOM to the current audit. At the next screen, under TEOM, click on the “Do Selected Audit” button to go to the data input screen shown in Figure 27.1.2.

AK.27.2 AUDIT INSTRUMENT INFORMATION

Double check that the Van Audit Flow, Barometer, and Temperature Standards are current with the current quarter, year, and instrument.

AK.27.3 STATION INSTRUMENT INFORMATION

From the data input screen key in the Instrument Type, Model, and Serial Number and the Last Cal Date in the appropriate fields.

AK.27.4 AUDIT INFORMATION ENTRY

On the data input screen there is a column labeled Van Data. In the sub-column titled Audit MFM Display, input the appropriate readings from the corresponding table on the QA Audit Worksheet, TEOM. In the neighboring Station Flow (LPM) column under Station Data, input the appropriate readings from the Sampler Indicated Flow column on the worksheet.

Then key in the Indicated Temperature and Barometer Display from the Ambient Temperature and Barometric Pressure fields on the worksheet.

After inputting these values you must click on the “Enter Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information see Section AK.31.

AK.27.5 FAILURES AND WARNINGS / CLOSING

On the data input screen above the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the TEOM audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

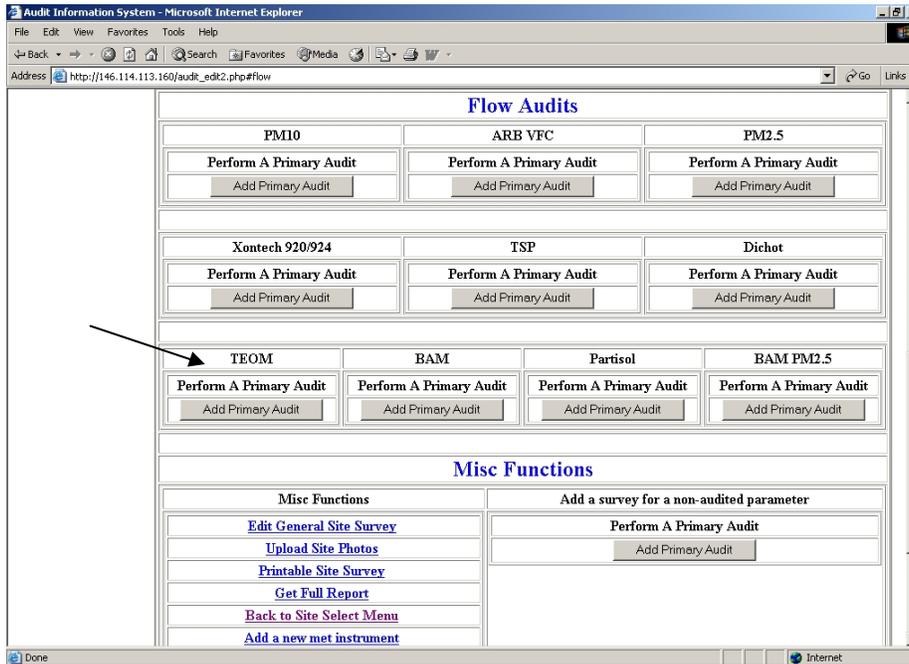


Figure 27.1.1 Audit Data Selection Screen

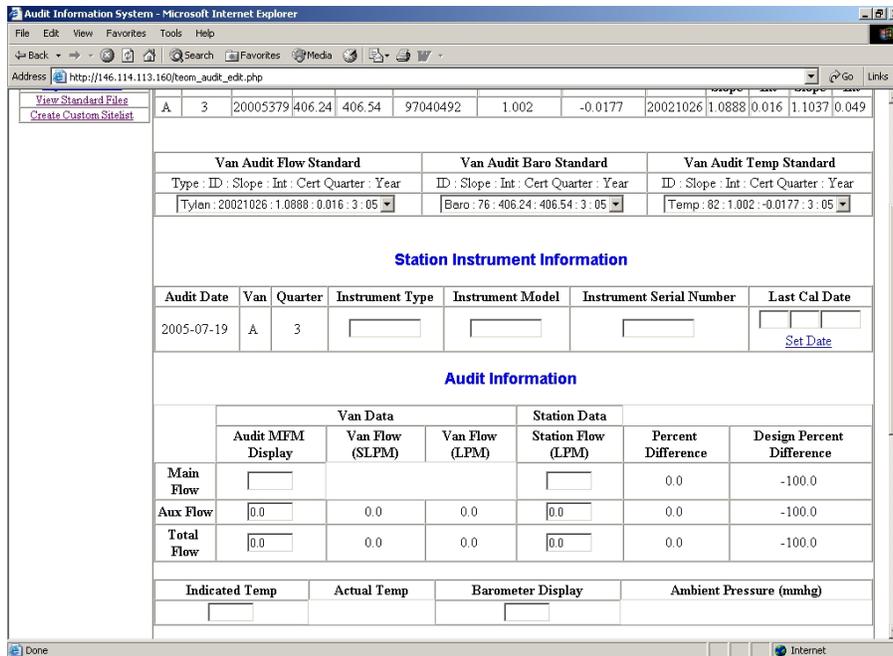


Figure 27.1.2 Data Input Screen

AK.28 BAM AUDIT

AK.28.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 28.1.1, click on the “Add Primary Audit” button to add BAM to the current audit. At the next screen, under BAM, click on the “Do Selected Audit” button to go to the data input screen shown in Figure 28.1.2.

AK.28.2 AUDIT INSTRUMENT INFORMATION

Double check that the Van Audit Flow, Barometer, and Temperature Standards are current with the current quarter, year, and instrument.

AK.28.3 STATION INSTRUMENT INFORMATION

From the data input screen key in the Instrument Type, Model, and Serial Number and the Last Cal Date in the appropriate fields.

AK.28.4 AUDIT INFORMATION ENTRY

On the data input screen under Van Data, key in the Audit MFM Display Reading from the DeltaCal (LPM) column in the Audit Data Flow Rates table on the QA Audit Worksheet, BAM 1020. Under Station Data, key in the Station Flow (LPM) from the Sampler Flow (LPM) column on the worksheet.

Then key in the Indicated Temperature from the Audit Sensor field under Sampler Temperatures on the worksheet. Enter the Barometer Display from the DeltaCal (mmHg) field under Barometric Pressure on the worksheet. Also key in the Leak Check Flow (LPM) value off the worksheet.

After inputting these values you must click on the “Enter Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information see Section AK.31.

AK.28.5 FAILURES AND WARNINGS / CLOSING

On the data input screen above the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the BAM audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

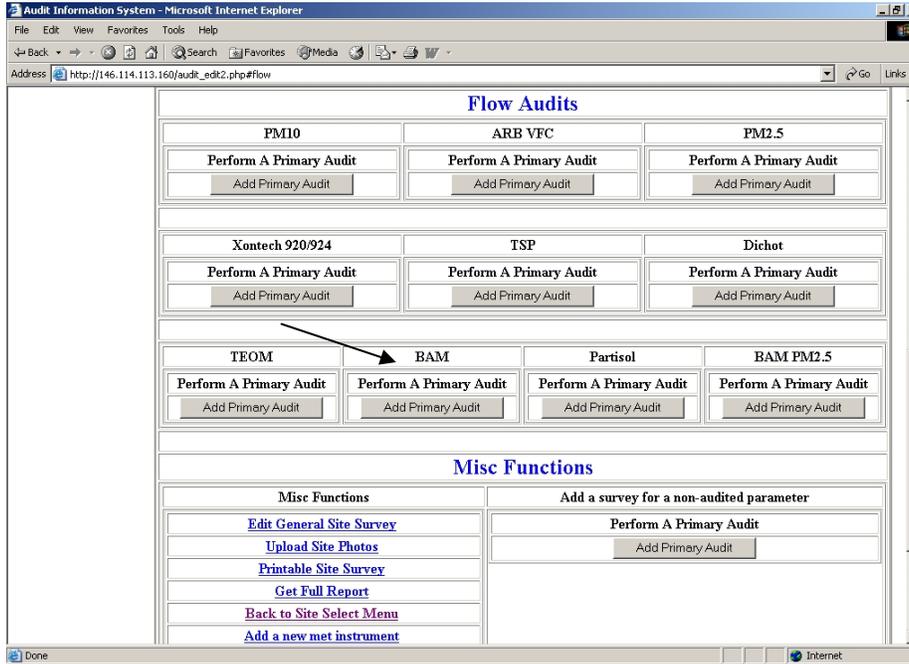


Figure 28.1.1 Audit Data Selection Screen

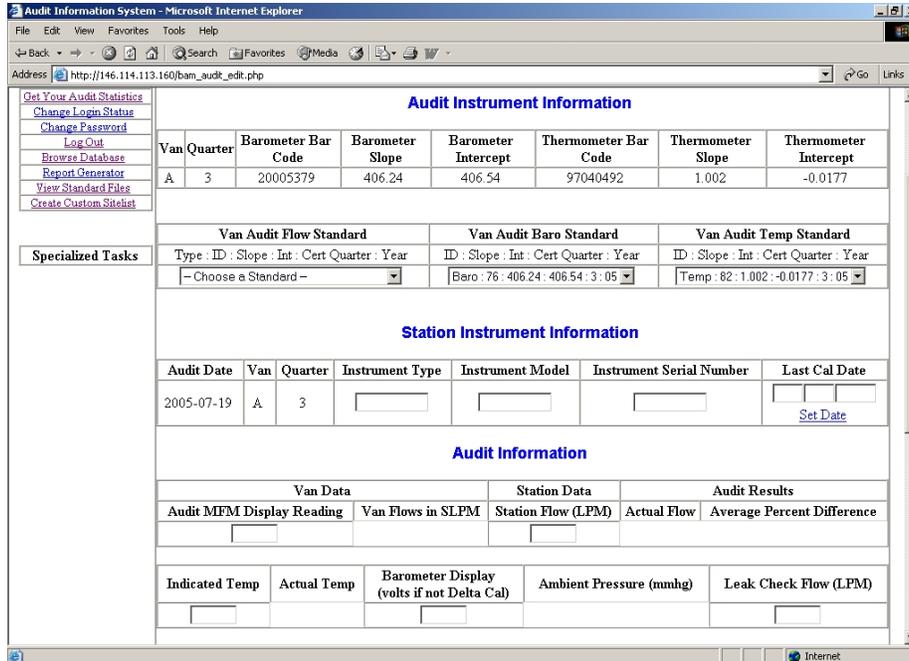


Figure 28.1.2 Data Input Screen

AK.29 PARTISOL AUDIT

AK.29.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 29.1.1, click on the “Add Primary Audit” button to add Partisol to the current audit. At the next screen, under Partisol, click on the “Do Selected Audit” button to go to the data input screen shown in Figure 29.1.2.

AK.29.2 AUDIT INSTRUMENT INFORMATION

Double check that the Van Audit Flow, Barometer, and Temperature Standards are current with the current quarter, year, and instrument.

AK.29.3 STATION INSTRUMENT INFORMATION

From the data input screen key in the Instrument Type, Model, and Serial Number and the Last Cal Date in the appropriate fields.

AK.29.4 AUDIT INFORMATION ENTRY

On the data input screen under Van Data, key in the Audit MFM Display Reading from the Sampler Flow Rates – MFM table on the QA Audit Worksheet, PM10 Single Channel/Partisol Sampler. Under Station Data, key in the Station Flow (LPM) from the Sampler Response column on the worksheet.

Then key in the Indicated Temperature from the Audit Sensor field under Sampler Filter Temperature on the worksheet. Enter the Barometer Display from the Audit Sensor (volts) field under Barometric Pressure on the worksheet.

After inputting these values you must click on the “Enter Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information see Section AK.31.

AK.29.5 FAILURES AND WARNINGS / CLOSING

On the data input screen above the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the Partisol audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

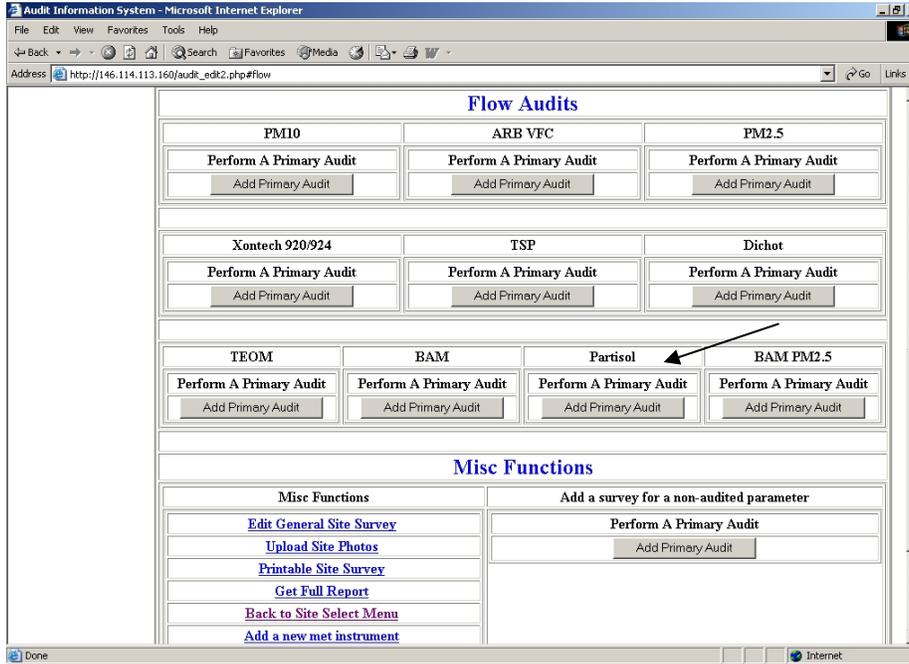


Figure 29.1.1 Audit Data Selection Screen

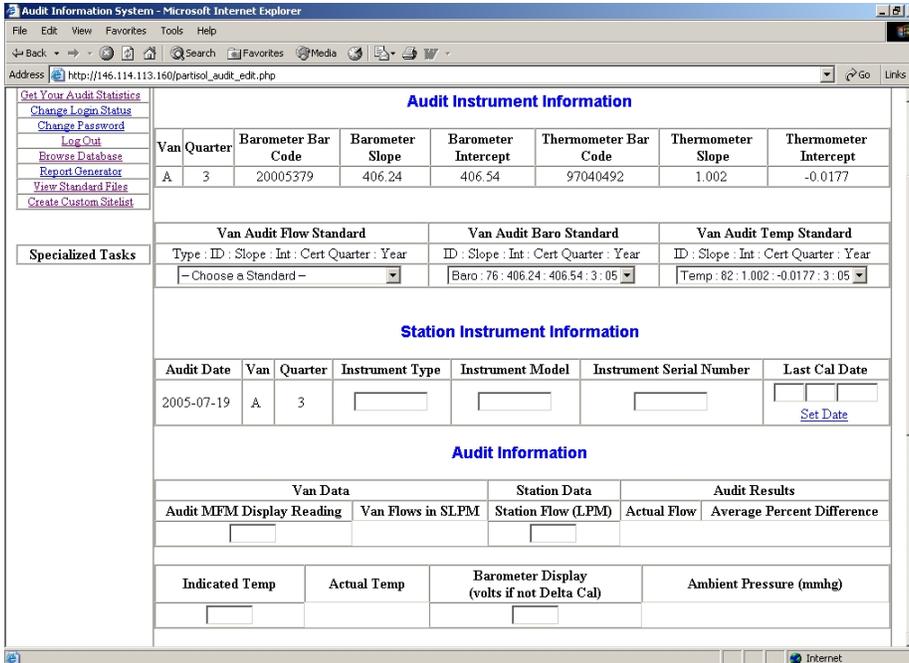


Figure 29.1.2 Data Input Screen

AK.30 BAM PM2.5 AUDIT

AK.30.1 GETTING STARTED

From the Audit Data Selection Screen shown in Figure 30.1.1, click on the “Add Primary Audit” button to add BAM PM2.5 to the current audit. At the next screen, under BAM PM2.5, click on the “Do Selected Audit” button to go to the data input screen shown in Figure 30.1.2 and 30.1.3.

AK.30.2 AUDIT INSTRUMENT INFORMATION

Double check that the Van Audit Flow, Barometer, and Temperature Standards are current with the current quarter, year, and instrument.

AK.30.3 STATION INSTRUMENT INFORMATION

From the data input screen key in the Instrument Type, Model and Serial Number and Last Cal Date in the appropriate fields. From the drop down menu select Yes or No if it is a speciated sampler or not.

AK.30.4 AUDIT INFORMATION ENTRY

On the data input screen under Flow Audit Info input the Station Data and Van Display Reading from the Audit Data Flow Rates table on the QA Audit Worksheet, PM2.5 Single and Sequential Samplers. Sampler (LPM) corresponds with Station Data and DeltaCal (LPM) corresponds with Van Display Reading.

Then key in the Flow Audit Indicated Temperature. Key in the Barometer Display and Station Pressure (mmhg) from the Audit Sensor and Sampler Sensor boxes, respectively, on the Barometric Pressure table. Enter the value for the Leak Check Flow (LPM).

Below that section there is a table for Station Temperature and Van Temperature readings. Key in the three ambient temperature readings from the Sample Temperature-Water Bath Method table.

After inputting these values you must click on the “Enter Values” button for the calculations to be made. A note will come up letting you know if the inputted data is within the control limits.

For Site Survey Information see Section AK.31.

AK.30.5 FAILURES AND WARNINGS / CLOSING

On the data input screen above the Site Survey Information is a Failures and Warnings box. This area displays failure and warning notifications if the inputted audit data does not meet control limits. Red text indicates a failure while yellow text indicates a warning.

At the bottom of the data selection screen is three options. You can print a report of the BAM PM2.5 audit you just conducted, return to the audit main menu, or return to the Audit Data Selection Screen to conduct another audit.

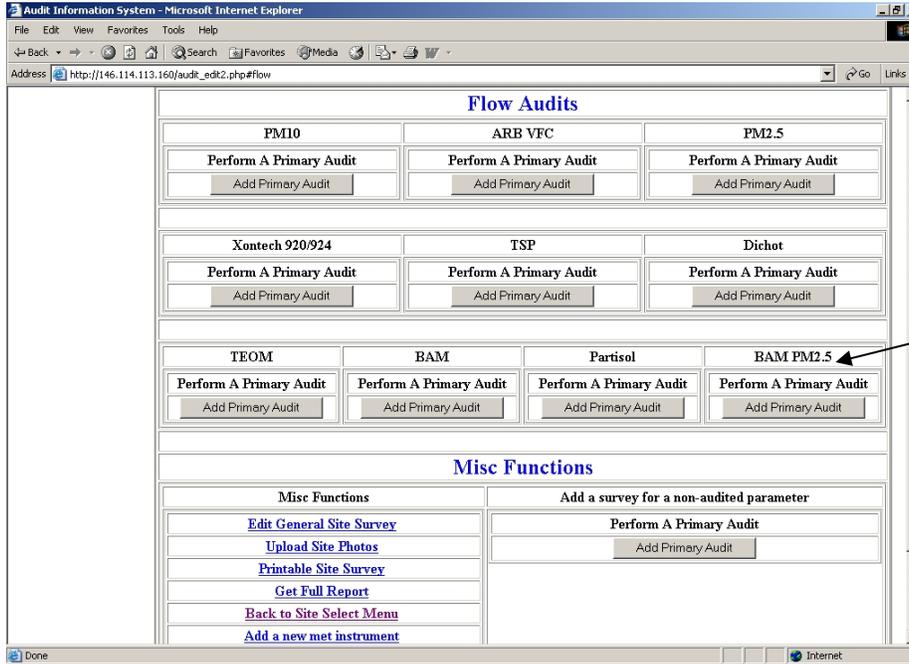


Figure 30.1.1 Audit Data Selection Screen

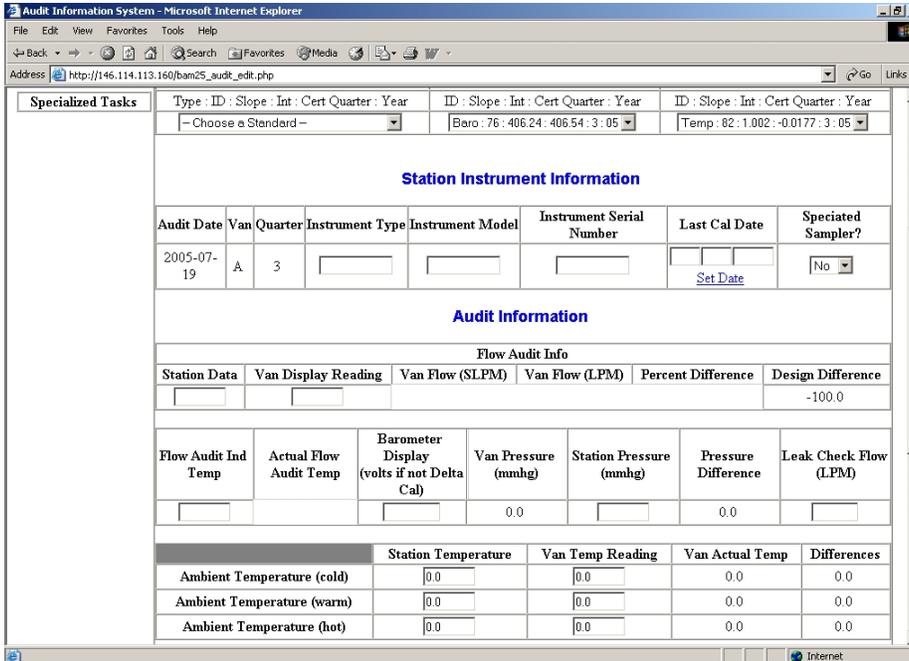


Figure 30.1.2 Data Input Screen

AK.31 EDIT AUDIT SPECIFIC SITE SURVEY

Below the Statistical Information on the data input screen is a button titled “[Parameter you are auditing] Site Survey For Serial#.” Clicking on this opens up a new window as shown in Figure 31.1. This is where site survey data is inputted. There are Yes and No drop down menus for Current Calibrations, Instrument Manual, Instrument Log, Data For Record, Reaudit, and Special Study. Choose the appropriate responses.

Input the In-Line Filter Change (for gaseous audits only) and Cal. Equipment dates. Input Cal. Gas Cert. Date as well for some gases.

If it is a flow audit, input the Sampler Spacing and choose whether or not it is a Collocated Sampler from the drop down menu.

If applicable, choose the dominant influence on the instrument from the dropdown menu on the next line. Also key in the Probe Height Above Ground and Probe Height Above Platform, both in meters.

If there are any obstructions near the instrument that have not been previously noted, enter the information on the next line.

The final section in this window is a Comments box. Any information about the instrument can be keyed in here.

After inputting information in any of the above fields, be sure to click on the “Enter Values” button at the bottom of the page to save the information in the system.

Then there is a series of three buttons for Editing Monitor Info, Reverting Back to AQS Info, and Reverting Back to Past Audit Info. Clicking on the “Edit Monitor Info” followed by clicking on the “Enter Values” button will take you to a window where changes can be made to the monitoring information that is compared to AQS data. In this window there are drop down menus for selecting the Operating Agency, Reporting Agency, Interval Name, Unit Name, POC, Monitor Type, Objective, and Scale. If changes are made, click on the “Enter Values” button at the bottom of the page to save the information in the system. The Revert Back to AQS Info and Revert Back to Past Audit Info buttons in the Site Survey window undoes any changes made and resets information to previous settings.

After clicking the “Enter Values” button to save the entered information, click the Close Window link to exit the Site Survey Information screen.

http://146.114.113.160/o3survey_edit.php?id=1038&table=p44201_data&monitor=44201&s_arb_code=564 - Microsoft Inter...

Ozone Specific Survey Information For Monitor Serial Number:

Current Monitor Information									
Parameter	POC	Monitor Type	Method	Objective	Scale	Sampling Interval	Unit	Operating Org	Reporting Org
Ozone	1	SLAMS		POPULATION EXPOSURE	URBAN	1 HOUR	PARTS PER BILLION (PPB)	Ventura County APCD	Ventura County APCD

Calibration Current?	Instrument Manual	Instrument Log	Data For Record?	Reaudit?	Special Study
No	No	No	No	No	No

In-Line Filter Change Date	Cal. Equipment Cert. Date
00 00 0000 Set Date	00 00 0000 Set Date

Dominant Influence	Probe Height Above Ground (m)	Probe Height Above Platform (m)
Vehicular	4.3	1.2

Obstructions				
Description	Distance	Height	Drip Distance	Distance to Walls
None	N/A	0	0	0

Comments

Edit Monitor Info	Revert Back To AQS Info	Revert Back To Past Audit Info
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="button" value="Enter Values"/>	Close Window	

Figure 31.1 Site Survey Window

AK.32 RESIDENCE TIME

Also in the Site Survey Information window on the data input screen is a button titled “[Gas you are auditing] Residence Time For Serial#.” Clicking on this opens up a new window, as shown in Figure 32.1, where the information to calculate residence time is entered. There is a column for Probe, Manifold, and Manifold to Instrument. At the top of the columns is a drop down menu where you select the material. In the corresponding fields below, key in the ID (mm), Length (m), and Flow (L/min). Click on the “Enter Values” button and the residence time will be calculated. If there are already values from a previous audit in the program, ask the site operator if any changes were made. If no changes since then have been made, just click on “Enter Values” and the previous numbers will be used.

If the residence time is calculated to be more than 20 seconds, a failure message will come up.

Click on “Close Window” to exit.

http://146.114.113.160/residence_time_edit.php?id=1038&audit_log_id=2163&table=p44201_data&moni - Microsoft Interne...

Looking at values entered during the audit of this paramater the last time it was audited

Ozone Specific Residence Time Information

	Probe	Manifold	Manifold to Instrument
Material	Glass (Pyrex)	Glass (Pyrex)	Teflon
ID (mm)	16.00	42.00	4.80
Length (m)	2.100	0.300	1.800
Flow (L/min)	6.200	6.200	0.700
Time	0.0	0.0	0.0
Total Residence Time (seconds)			0.0

Enter Values

Use Probe and Manifold Values From Other Gaseous Audits Performed Today.
Remember to Press "Enter Values" after you "Get" them!

Get Other Values

[Close Window](#)

Figure 32.1 Residence Time Window