PQAO UPDATES

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AND

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JANUARY 24, 2017

WHY ARE WE HERE?



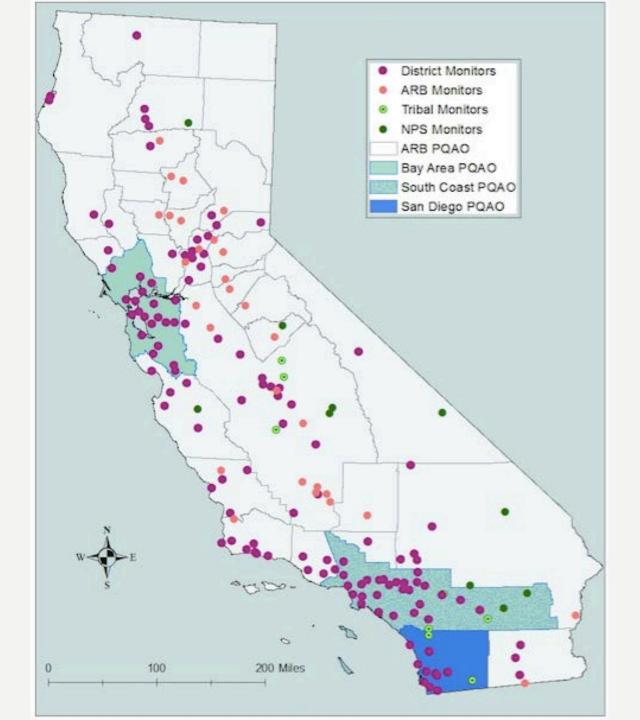


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WHY ARE WE HERE?

Together
Everyone
Achieves
More





QUICK REVIEW

A PQAO ensures that data are

- Consistent
- Defensible
- High quality

Five common factors?

PQAO REQUIREMENTS

Field
Operators or
Procedures

Management, Laboratory, and Headquarters

5 Common Factors

Quality
Assurance
Documents

Quality
Assurance
Organization

Calibration Facilities and Standards

SUCCESSES

2015

Communication

Documentation

Consistency of processes

2011

CONTINUING ISSUES

So much to do, so little time

Quality, not quantity

Always something new!



HIGH PRIORITY ISSUES

- PM laboratories
- QAPPs
- Zero air
- Wildfire/Smoke Impacts

REGULATION UPDATES

- Federal ozone standard revised to 70 ppb
- Monitoring Rule Revision
 - I point QC check levels
 - Flow rate verifications must be reported.
 - → Update QAPPs/SOPs

https://www3.epa.gov/ttn/amtic/files/ambient/pm25/Summary_of_Appendix_A_Changes_%203_25_2016.pdf

- Validation Template revision
- Exceptional Events Rule Revision

HOW WILL THIS TRAINING HELP YOU DEAL WITH ALL OF THIS?!

- Network Design and Changes
- Data Management
- Station Operations & Documentation
- Filter Handling
- Certifications and Calibrations
- Databases



ARB'S QA WEB PAGE TOUR

- Liaison Contact Information
- QA Bulletins
- Document Repository
- Roles & Responsibilities
- Checklists
- QA Reports
- Corrective Action Notifications
- Training Resources
- Webpage for Station Operators

Tuesday, December 27, 2016

UP LINKS

- Air Quality (AQ) & Emissions
 - Ambient Air Quality Monitoring Activities in California
 - Ambient Air **Quality Monitoring**

PROGRAM LINKS

- Air Monitoring
- Air Monitoring Web Manual
- Background
- Community Health
- Laboratory Standard **Operating Procedures**
- Meteorology
- Pollutants
 - Dioxins
 - Gaseous Criteria **Pollutants**
 - Hydrocarbons
 - Particulate Matter
 - Toxic Air Contaminants
- Quality Assurance (QA)
- QA Manuals
- Related Links
 - Air Quality Data
 - Air Quality Models
 - Emissions Inventory
- Standards Laboratory

RESOURCES

- Contact Us
- Join Any Air Quality Email

Quality Assurance

Updated November 29, 2016

The Air Resources Board (ARB) is the governmental agency delegated the authority and responsibility for collecting ambient air quality data as directed by the Clean Air Act. The U.S. Environmental Protection Agency (U.S. EPA) designated ARB as one of the four Primary Quality Assurance Organizations (PQAO) responsible for air monitoring in California. The Quality Management Plan (QMP) describes the quality management system used by ARB and participating local air monitoring organizations that comprise ARB's PQAO. Click on the tabs below for more quality assurance information and references. With smartphones view the Station Operator's Page.

What's New!

The 2015 Data Quality Report is now available. This report describes the quality of the ambient air quality data in quantifiable terms in relation to measurement quality objectives established by U.S. Environmental Protection Agency. See the QA Bulletin tab below for the latest information about the reporting requirements for PM10, PM2.5, and Pb flow rate verifications to AQS.

Primary Quality Assurance Organization

ARB is required by federal regulations to provide quality assurance oversight to local air monitoring organizations within ARB's PQAO to ensure that consistent procedures are followed to produce data of similar quality.

What is a PQAO?

ARB PQAO Contacts

Monitoring Organizations in ARB's PQAO

Other PQAOs in California

Quality Management Documents

Updated! Quality Assurance Bulletins (Guidance for monitoring organizations in California)

ARB Document Repository (QA documents used by monitoring organizations in California)

ARB Quality Assurance Manual (QMP, QAPPs, SOPs)

Requirements, Guidance, and Review Checklists (QMP, QAPP, and SOPs)

Quality Assurance Reports (Precision and Accuracy Results [PANDA], Data Quality Reports)



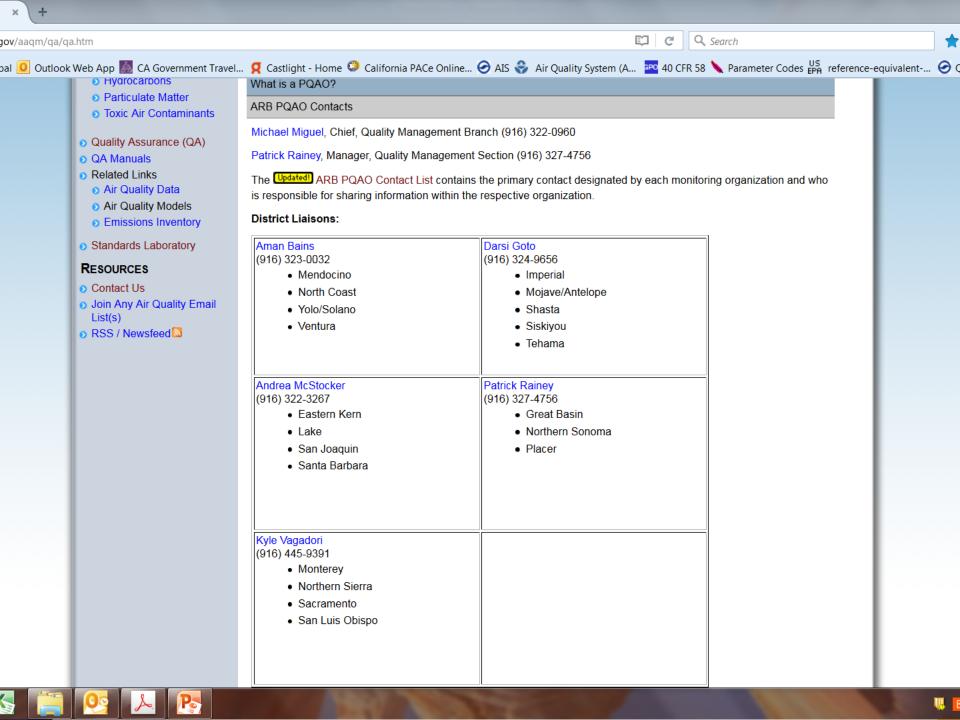












RESOURCES

- Contact Us
- Join Any Air Quality Email List(s)
- RSS / Newsfeed

control procedures:

- 001: PM10 Lo-Vol Validation Criteria
- 002: Corrective Action Notification
- 003: AQS Minimum Value Reporting Limits
- 004: Temporary Closure of Monitors in AQS
- 005: Post-AQS Data Confirmation Example AQS Data Reports for Continuous Instruments and Particulate Matter Filters
- . 006: Post-Processing of Ambient Air Quality Data
- new 007: Flow Rate Verification

ARB Document Repository (QA documents used by monitoring organizations in California)

ARB Quality Assurance Manual (QMP, QAPPs, SOPs)

Requirements, Guidance, and Review Checklists (QMP, QAPP, and SOPs)

Quality Assurance Reports (Precision and Accuracy Results [PANDA], Data Quality Reports)

EPA Quality Assurance Handbook

Code of Federal Regulations

Quality Assurance Activities

Audits

Updated! Corrective Action Notification (CAN)

Air Quality Data Action (AQDA)

Standards Laboratory

Resources

Training Resources

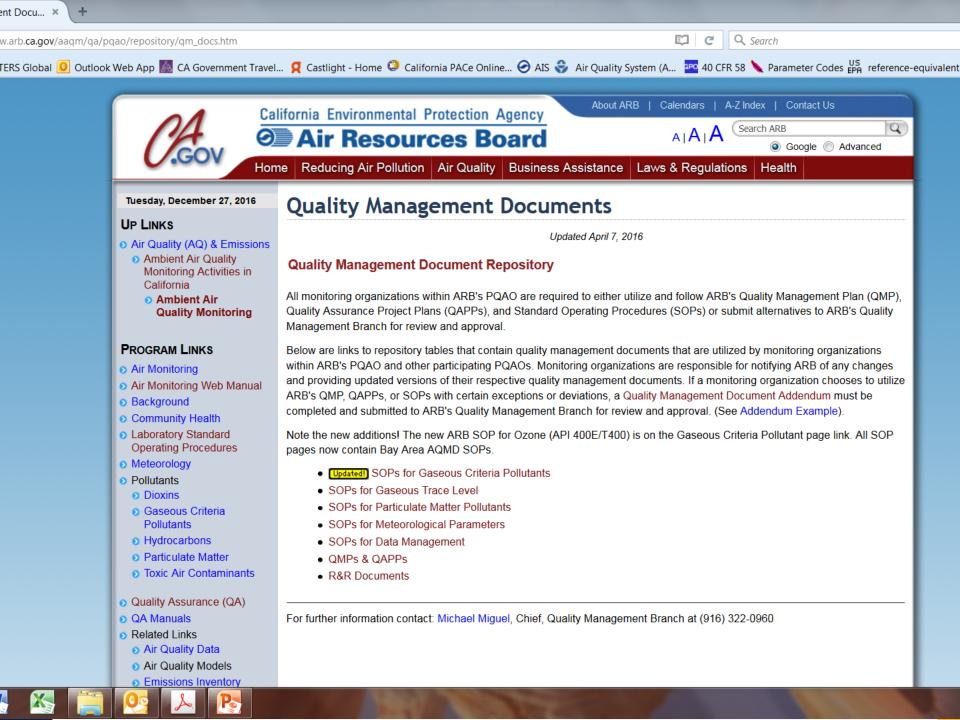


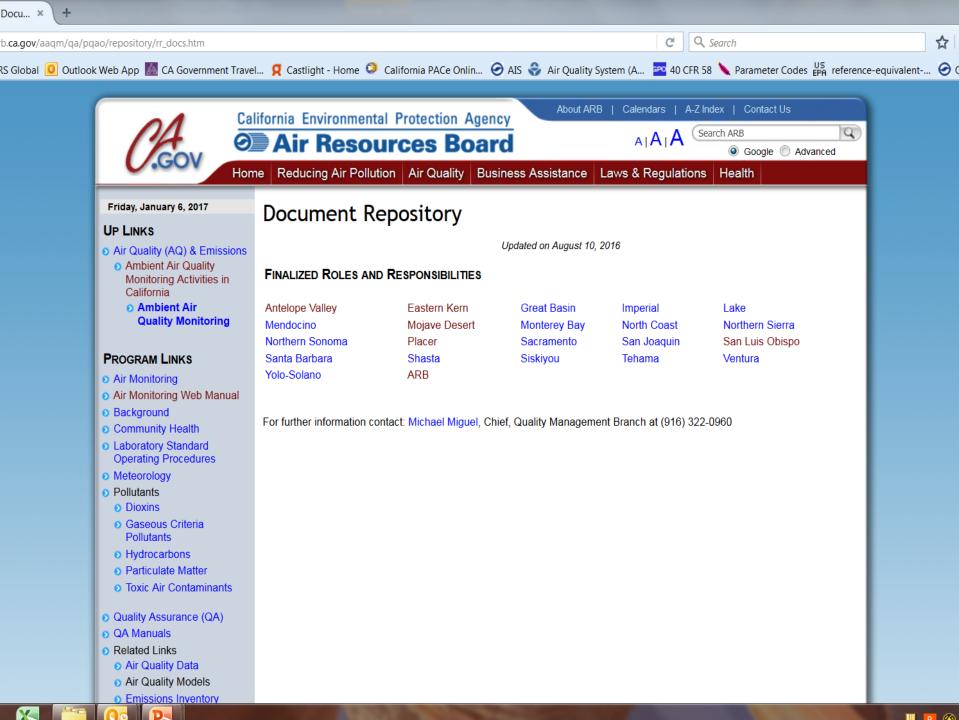


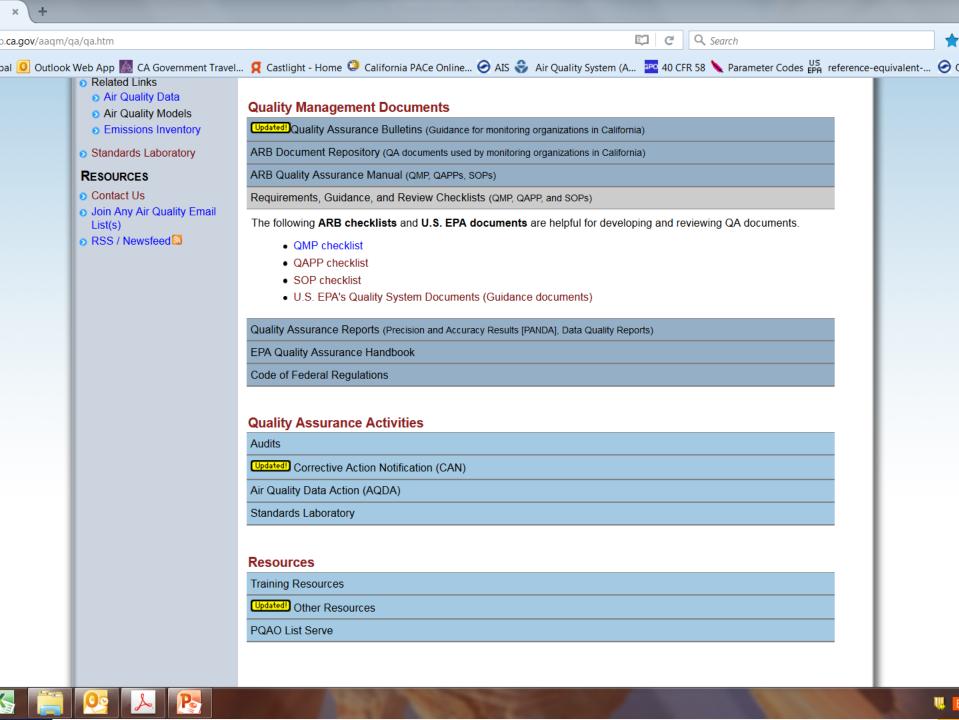


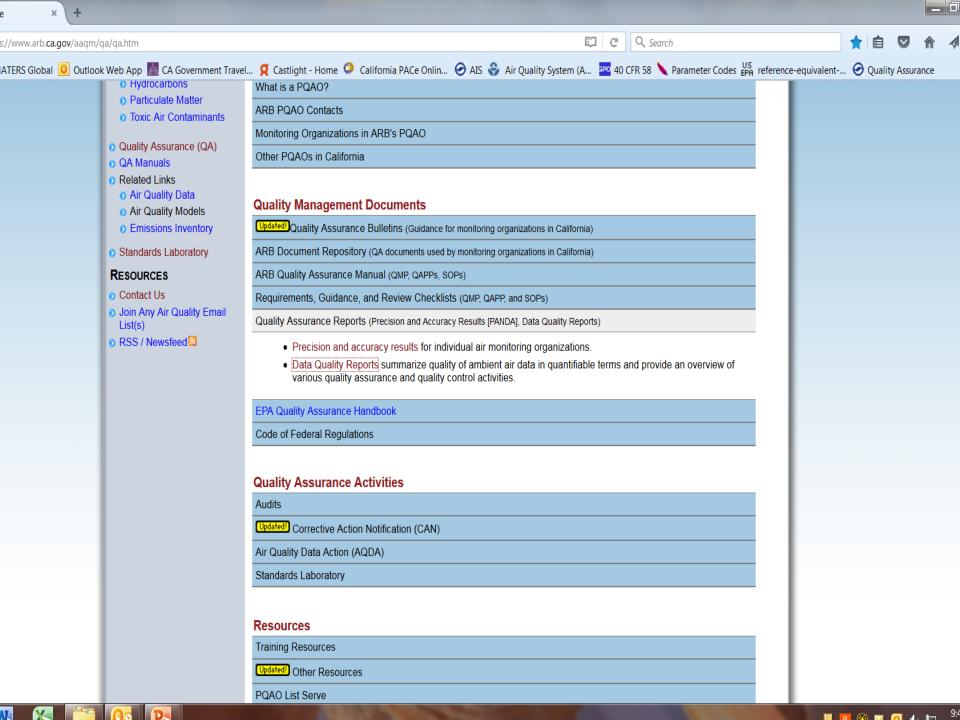














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Search ARB A_1A_1A Google Advanced

Reducing Air Pollution | Air Quality | Business Assistance | Laws & Regulations

Health

Tuesday, December 27, 2016

UP LINKS

3 Pri... ×

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Corrective Action Notification

Updated March 16, 2016

The implementation of a comprehensive corrective action system throughout ARB's PQAO has been identified by ARB and U.S. EPA as an essential component for improving the quality of air monitoring data and facilitating continuous process improvement. To meet this need, ARB's Quality Management Branch (QMB) developed the Corrective Action Notification (CAN) process. The objective of the CAN process is to document, investigate, correct, and reduce the recurrence of air monitoring issues that impact or potentially impact data quality, completeness, storage or reporting. The goal of the CAN process is to improve data quality and ensure compliance with State, federal, and local requirements.

The CAN process may be initiated by any person in ARB's PQAO who identifies an air monitoring issue that impacts or may impact the quality of air monitoring data. Examples of issues include site monitoring conditions outside of specifications or requirements, out of date calibration gas standards, incomplete chain-of-custody forms, laboratory parameters outside of specifications, late AQS upload, etc. The responsible organization is expected to investigate the issue and implement appropriate corrective action to resolve the issue and prevent recurrence. A copy of the completed CAN form including the corresponding corrective action is submitted to the QMB for review. Once the QMB and responsible organization have worked together to implement appropriate corrective action, a CAN closure letter will be sent by the QMB to the responsible organization.

The QMB will maintain a database that tracks the CAN process and helps identify process related issues. The QMB will ensure that all issues have been resolved and that appropriate action was taken. The ARB will summarize all data quality issues identified through the CAN process in an annual data report.

The CAN process will help ensure the data collected within ARB's PQAO is scientifically and legally valid and meets the requirements for which it is intended. Monitoring organizations within ARB's PQAO are encouraged to adopt this process. If a monitoring organization chooses to use an alternative process, the monitoring organization must submit the process to ARB for review and approval.

- ->> CAN SOP
- ->> CAN Form
- ->> 2013 CAN Summary
- 2014 CAN Summary
- 2015 CAN Summary

For further information contact: Michael Miguel, Chief, Quality Management Branch



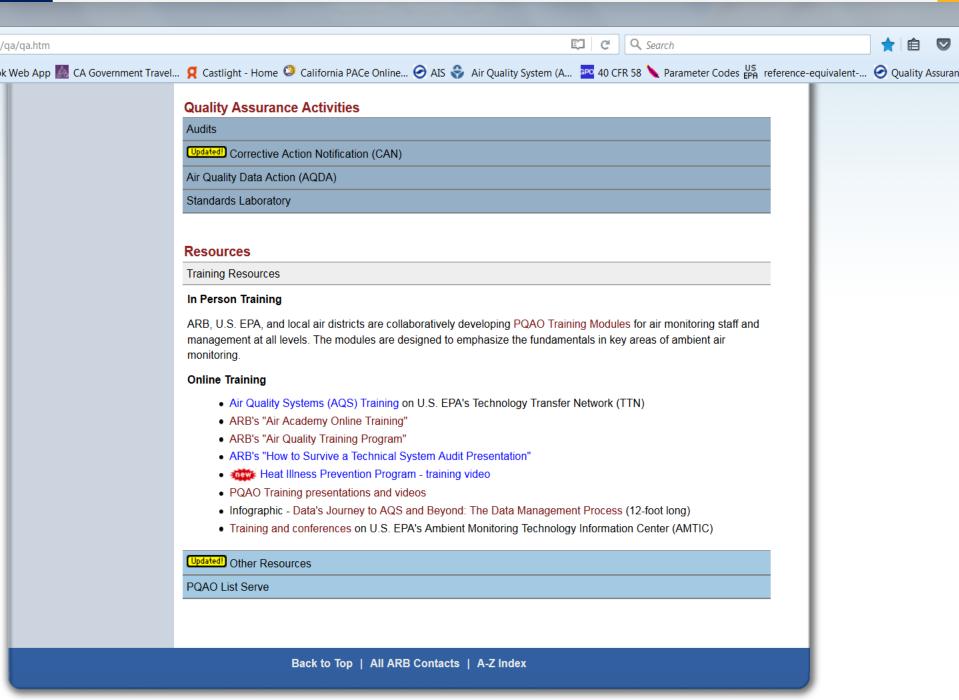


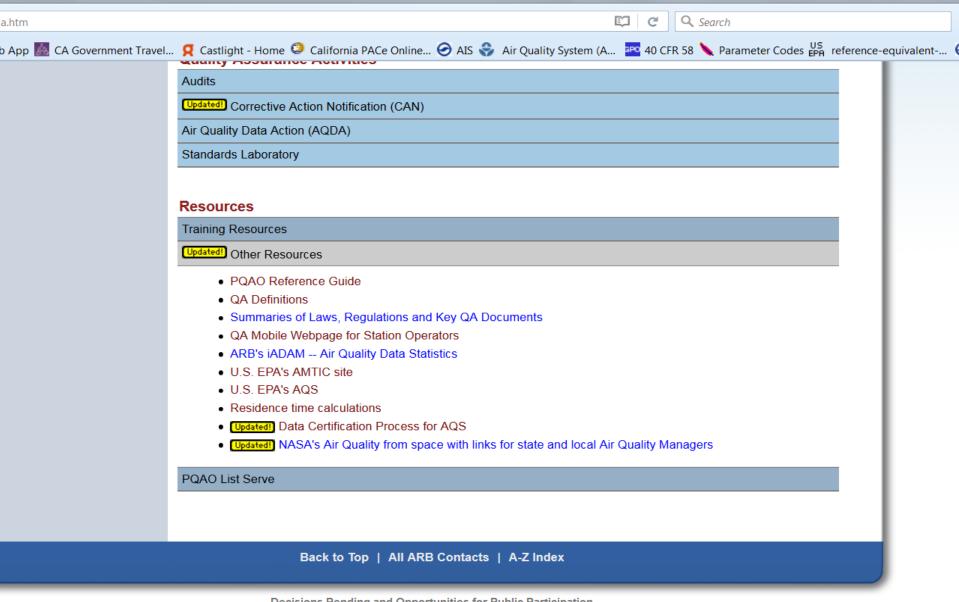


California Environmental Protection Agency

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Section I: (to be completed by Initiator)		
Initiator:	Date:	
Subject:	Agency:	
Reason for Corrective Action Noti	ification (continue on an attachment if needed):	
		Estimated?
Start Date & Time:	End Date & Time:	
Parameter(s) affected:	Expected Completion Date:	
Sunervisor:	*Up to 45 days 1	from Initiation Date
Corrective Action Taken (continue	e on an attachment if needed):	
Action taken by:	Date:	
Resolution (continue on an attach	nment if needed): "Include changes to prevent recurrence, and any effect on data.	
Resolved by:	Date:	
		i- 05040:
michael.miguel@arb.ca	Point of Contact; PO BOX 2815, Sacramento, Califo a.gov CAN # assigned:	



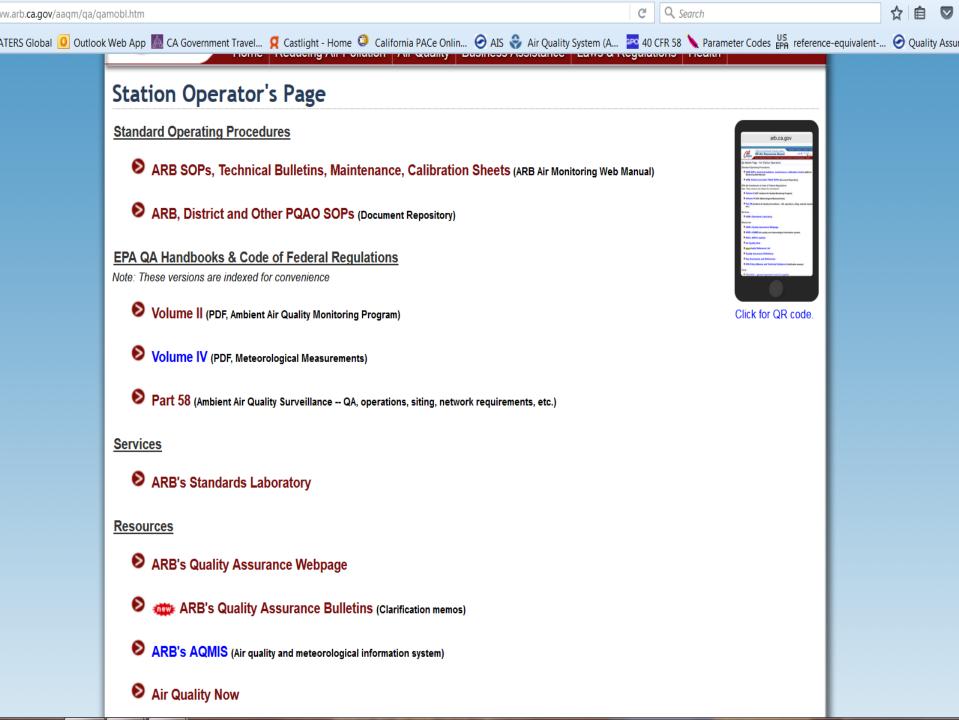


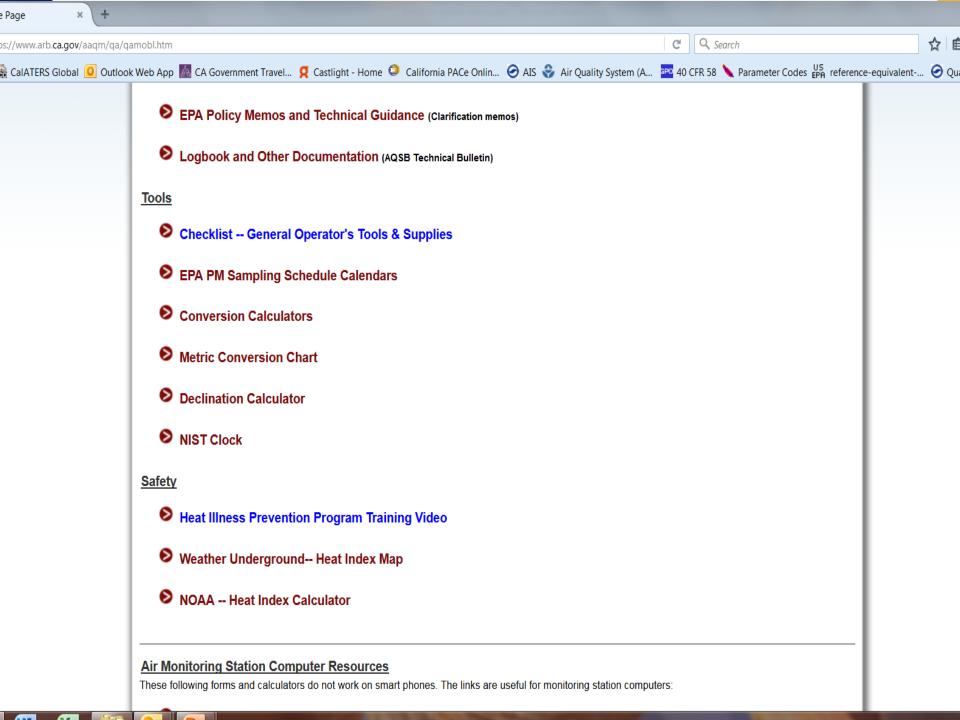
Decisions Pending and Opportunities for Public Participation

Conditions of Use | Privacy Policy | Accessibility | Bilingual Services Complaints | Civil Rights Policy

How to Request Public Records

The Board is one of six boards, departments, and offices under the umbrella of the California Environmental Protection Agency. Cal/EPA | ARB | CalRecycle | DPR | DTSC | OEHHA | SWRCB





CONCLUSION: TEAMWORK MAKES THE DREAM WORK!



CONTACT INFORMATION

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