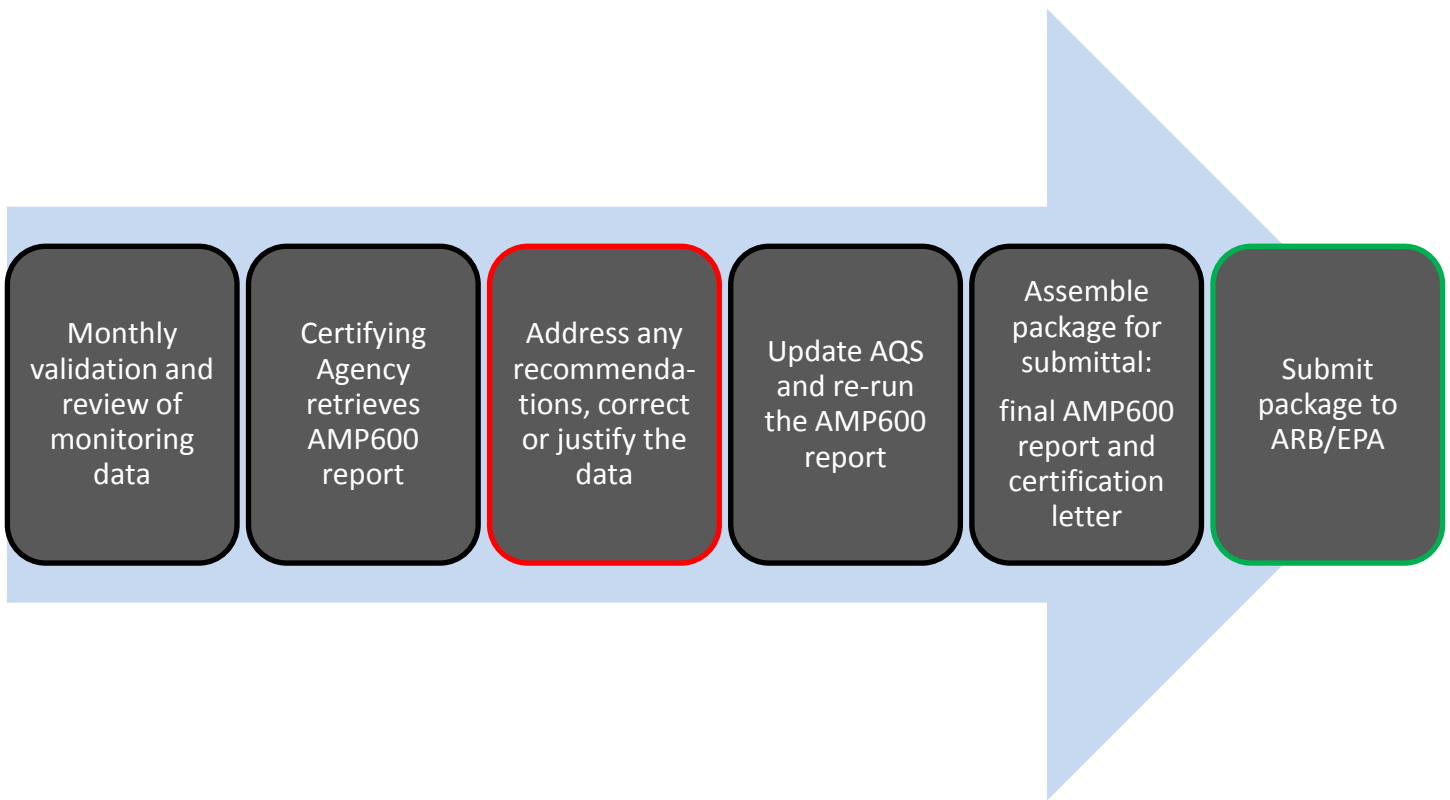


Data Certification Exercise

PQAO Training
January 25th, 2017

Objective: *The data certification process involves certifying that ambient concentration data and quality assurance data for any given year have been reviewed and attesting that the ambient data are accurate and complete.*

When submitting a data certification package to either ARB or EPA, districts must submit a letter and an AQS AMP600 report. The data certification process follows this process:



Review the AMP600 report provided. Identify pollutants which AQS recommends an “N” flag, and address **each** reason for AQS recommendation based on the data certification objectives.

Data Evaluation and Concurrence Report Summary

Certification Year: 2015

Certifying Agency (CA): California Air Resources Board (0145)

Pollutants in Report:

<u>Parameter Name</u>	<u>Code</u>	<u>Monitors Evaluated</u>	<u>Monitors Recommended</u>	<u>Monitors NOT Recommended</u>
			<u>Concurrence by AQS</u>	<u>for Concurrence by AQS</u>
Carbon monoxide	42101	4	2	2
Lead PM10 LC FRWFEM	85129	1	0	1
Nitrogen dioxide (NO2)	42602	7	6	1
Ozone	44201	7	7	0
PM10 Total 0-10um STP	81102	8	1	7
PM2.5 - Local Conditions	88101	6	5	1
Sulfur dioxide	42401	1	1	0

PQAOS in Report:

<u>PQAO Name</u>	<u>PQAO Code</u>	<u>TSA Date</u>
California Air Resources Board	0145	09/27/11

Summary of 'N' flags for all pollutants:

<u>PQAO Code</u>	<u>Parameter</u>	<u>AQS Site-ID</u>	<u>POC</u>	<u>AQS Flag</u>	<u>AQS Recommended</u>	<u>Cert. Agency Recommended</u>	<u>Reason for AQS Recommendation</u>
0145	44201	06-067-0006	1	N	Recommended	Recommended	1-Point QC Completeness < 65%.
0145	42101	06-067-0015	1	N	Recommended	Recommended	Annual Performance Evaluation Audit Missing or 1 Level.
0145	81102	06-067-0006	1	N	Recommended	Recommended	Flow Rate Audit completeness < 65%.
0145	42602	06-067-0012	1	N	Recommended	Recommended	Annual Summary completeness < 70%.
0145	81102	06-067-4001	3	N	Recommended	Recommended	Annual Summary completeness < 70%.

Signature of Monitoring Organization Representative:

Issue #1

Issue #1

Summary of 'N' flags for all pollutants:				AQS	Cert. Agency	
Parameter				Recommended	Recommended	
PQAO	Code	AQS Site-ID	POC	Flag	Flag	Reason for AQS Recommendation
0145	44201	06-067-0006	1	N		1-Point QC Completeness < 65%.

Definition: *One-Point Quality Control (QC) Check for SO₂, NO₂, O₃, and CO.* “A one-point QC check must be performed at least once every 2 weeks on each automated monitor used to measure SO₂, NO₂, O₃ and CO.”¹ The 1-Point QC Completeness < 65% reason indicates that for that year, the agency completed one-point QC checks during less than 65% of the 2 week periods, or **less than 17 out of a possible 26 intervals.**

Information provided:

- AMP256: Data Quality Indicator Report – One Point Quality Control
- AMP251: Raw Monitor Assessment Report – One Point QC
- Calendar with sample intervals
- Logbook entries for October – December 2015

What we know:

- The site measures gaseous and particulate concentrations (continuous and filter)
- Through 10/7/2015, assume that 12 of the 1-point QC were completed.
- Assume all of the QC checks were manual QC checks
- Assume the monitor was operating all year long
- Assume that there is no available 1-point QC control sheet for review
- AQS calculates the 2-week periods for 1-point QC checks

AQS Site	Parameter	POC	Reason for AQS Recommendation	Comments addressing AQS recommendation
06-067-0006	44201	1	1-Point QC Completeness <65%	

Questions:

How can this recommendation be avoided at the time of documentation (as opposed to the data certification process)?

What other information could have been useful for this investigation?

¹ 40 CFR §58 Appendix A 3.1.1

AMP256

Issue #1

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 DATA QUALITY INDICATOR REPORT
One Point Quality Control

Pollutant: 44201 (Ozone) **PQAO:** California Air Resources Board (0145) **App A?** Y

<u>Year</u>	<u>Region</u>	<u>State</u>	Site <u>IDs</u>	<u>POC</u>	<u>MT</u>	<u>Begin Date</u>	<u>End Date</u>	<u>Intervals Required</u>	<u>Intervals Valued</u>	<u>% Complete</u>	<u>CV UB</u>	<u>Bias UB</u>
2015	09	CA	06-067-0006	1	S	1-Jan-15	31-Dec-15	26	16	62	5.09	+ 5.01
SUMMARY												
2015						1-Jan-15	31-Dec-15	26	16	62	5.09	+ 5.01
SUMMARY												
2015						1-Jan-15	31-Dec-15	26	16	62	5.09	+ 5.01

AMP251

Issue #1

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 Raw Monitor Assessment Report

ONE POINT QC

PQAO: California Air Resources Board (0145)

Parameter: Ozone (44201)

<u>Method of Collection and Analysis</u>	<u>Site/Poc.</u>	<u>Method</u>	INSTRUMENTAL		ULTRA VIOLET ABSORPTION		<u>% Diff</u>	<u>Unit Abbr.</u>
			<u>Assess Date</u>	<u>Number</u>	<u>Assess Conc.</u>	<u>Monitor Conc.</u>		
	06-067-0006-1	087	2015-10-01	1	0.07	0.073	4.3	ppm
	06-067-0006-1	087	2015-10-14	1	0.07	0.073	4.3	ppm
	06-067-0006-1	087	2015-10-28	1	0.07	0.074	5.7	ppm
	06-067-0006-1	087	2015-11-12	1	0.07	0.068	-2.9	ppm
	06-067-0006-1	087	2015-12-07	1	0.07	0.071	1.4	ppm
	06-067-0006-1	087	2015-12-14	1	0.07	0.074	5.7	ppm

October

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

November

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

December

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Holiday

DEL PASO MANOR OCTOBER 2015

DATE	TIME	COMMENTS	INIT.
10/1	8:10 - 12:30	BAM flow and leak check, check methane operation. Pull FRM filters, change Hivol \pm SASS \pm 3000 N.	SD
10/4	16:10 - 17:15	Troubleshoot primary FRM filter advance error.	SD.
10/5	9:30 - 12:10	Checked FRM, looks good. Finished BAM bkgd 72 hr testing. Weekly checks.	SD.
10/7	8:10 - 11:45	Aethalometer flow check.	SD.
10/14	8:30 - 11:10	Pickup FRMs, 3000N, change SASS, manual QC check gaseous	SD.
10/15	12:40 - 3:10	Change Hivols, weekly checks	SD.
10/19	8:10 - 12:30	Change Hivols, replace 400E ozone pump check ozone analyzer.	SD.
10/21	915 - 1245	Pick up FRMs.	JF
10/20	210 - 345	Check ozone pump, analyzer. Gaseous manual QC check completed. Prepared for trick-or-treaters.	JF

DEL PASO MANOR NOVEMBER 2015

DATE	TIME	COMMENTS	INIT.
11/9	8:10 - 12:10	Weekly checks, change inline filters	JD.
11/12	12:45 - 4:05	Pickup and load FRM, change SASS & 3000N. Manual QC check on gaseous.	JD.
11/16	8:45 - 11:10	Change Hivols, BAM flow check and leak check.	JD.
11/19	8:10 - 10:45	Load FRM & 3000N & SAS. Changed Hivols again. Chased away pesky bear.	JD.
11/23	9:10 - 12:15	Load and pick up FRM. Site visit from UC Davis students.	JD.
11/27	1:15 - 4:15	Monthly met check. Run sampling on 2129.	JD.
11/30	8:10 - 9:15	Pick up 3000N & SAS. Change Hivols.	JD.

DEL PASO MANOR DECEMBER 2015

DATE	TIME	COMMENTS	INIT.
12/2	7:55-10:15	Pulled FRM filters. Change compartment temp board from collocated FRM back to PM10C, reloaded filter list.	AD.
12/7	1:55-4:15	Manual gaseous QC check. Fixed water leak in primary FRM. Load SASS, 3000N and FRM.	AD.
12/10	8:15-12:10	Weekly checks. CBRE fixed roof leaks.	AD.
12/10.	13:10-13:25	Investigated Envidas settings on computer. Compare calibrations between DPM and BER.	KP
12/17	8:10-11:55	Pickup and load FRM. Change SASS and 3000N. Check inline filters. Manual gaseous QC check.	AD.
12/21	2:10-3:55	Pickup and load FRM. Prepared roof for Santa visit. Changed inline filters again. Cal zero on Co analyzer.	AD.

Issue #2

Issue #2

Summary of 'N' flags for all pollutants:				AQS	Cert. Agency	
Parameter				Recommended	Recommended	
PQAO	Code	AQS Site-ID	POC	Flag	Flag	Reason for AQS Recommendation
0145	42101	06-067-0015	1	N		Annual Performance Evaluation Audit Missing or 1 Level.

Definition: Annual performance evaluation for SO₂, NO₂, O₃, or CO. “A performance evaluation must be conducted on each primary monitor once a year.”²

Information provided:

- AMP430: Data Completeness Report
- AMP390: Monitor Description Report

AQS Site	Parameter	POC	Reason for AQS Recommendation	Comments addressing AQS recommendation
06-067-0015	42101	1	Annual Performance Evaluation Audit Missing or 1 Level	

Questions:

How can this recommendation be avoided at the time of documentation (as opposed to the data certification process)?

What other information could have been useful for this investigation?

² 40 CFR §58 Appendix A 3.1.2

AMP390

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MONITOR DESCRIPTION REPORT

Nov. 10, 2016

California

Monitor ID: 06-067-0015-42101-1 Parameter Measured: 42101
 Date of Latest Collection: 20160630 Last Updated: 20160929
 Screening Group: California 3 City: Sacramento

 Monitoring Agency/Owner: 0145 California Air Resources Board
 Street Address: 100 Bercut Drive, Sacramento
 Site Name: Sacramento-Bercut Drive CBSA: Sacramento--Roseville--Arden-Arcade, CA
 County: Sacramento UAR: Sacramento, CA
 Project Type: SOURCE-ORIENTED AMBIENT SURVEILLANCE Dominant Source:
 Meas. Scale: MICROSCALE Location Setting: Urban And Center City
 Probe Location: Horizontal Distance (m): 20.0
 Probe Height (m): 4.7 Surrogate?: Vertical Distance (m): 2.0
 Sample Residence Time: 8 Unrestricted Air Flow?:

DATES OF OPERATION

AGENCY ROLES

Begin Date	End Date	Agency Role	Agency Name	Begin Date	End Date
20151013		COLLECTING	Sacramento County APCD	20151013	
		ANALYZING	Sacramento County APCD	20151013	
		REPORTING	California Air Resources Board	20151013	
		PQAO	California Air Resources Board	20151013	
		AUDIT	California Air Resources Board	20151013	
		CERTIFYING	California Air Resources Board	20151013	

MONITOR TYPE INFORMATION

Monitor Type	Begin Date	End Date	Action Type	Action Reason
SLAMS	20151013			

MONITORING OBJECTIVES

Monitor Objective Type	UAR Name	CBSA Name	CSA Name
SOURCE ORIENTED	SACRAMENTO, CA		

MONITOR METHODS

Method Code	Sample Collection	Sample Analysis	Begin Date	End Date
593	INSTRUMENTAL	Gas Filter Correlation Teledyne API 300 EU	20151013	

Issue #3

Issue #3

Summary of 'N' flags for all pollutants:				AQS	Cert. Agency	
Parameter				Recommended	Recommended	
PQAO	Code	AQS Site-ID	POC	Flag	Flag	Reason for AQS Recommendation
0145	81102	06-067-0006	1	N		Flow Rate Audit completeness < 65%.

Definition: *Semi-Annual Flow Rate Audit for PM_{2.5}.* “Audit the flow rate of the particulate monitor twice a year. The two audits should ideally be spaced between 5 and 7 months apart.”³ The Flow Rate Audit Completeness < 65% reason indicates that for that year, the agency completed Flow Rate Audits less than 65% of the 2 required bi-annual audits, or **less than 2 out of a possible 2 audits.**

Information provided:

- AMP256: Data Quality Indicator Report – Semi-Annual Flow Rate Audits
- Email communication with Air Resources Board
- Audit Report (cover sheet) from Air Resources Board

What we know:

- Assume the audit was completed for parameter 81102 (PM₁₀ Continuous) at 06-067-0006 (Del Paso Manor).

AQS Site	Parameter	POC	Reason for AQS Recommendation	Comments addressing AQS recommendation
06-067-0006	81102	1	Flow Rate Audit Completeness <65%	

Questions:

How can this recommendation be avoided at the time of documentation (as opposed to the data certification process)?

What other information could have been useful for this investigation?

³ 40 CFR §58 Appendix A 3.2.2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 DATA QUALITY INDICATOR REPORT
Semi- Annual Flow Rate Audits

Pollutant: PM10 Total 0-10um STP (81102) **PQAO:** California Air Resources Board (0145)

App A?: Y

Year	Reg	St	AQS Site ID	POC	MT	Begin Date	End Date	# Reg	#Q	% Complete	Criteria Met?	Obs / Q				Avg %d	Conf. Lower	Limits Upper	% Between Conf Lmt
												1	2	3	4				
2015	09	CA	06-067-0006	1	S	1-Jan-15	31-Dec-15	2	1	50	N	0	1	0	0	0			0
			SUMMARY			1-Jan-15	31-Dec-15	2	1	50	0	0	1	0	0				0
			SUMMARY			1-Jan-15	31-Dec-15	2	1	50	0	0	1	0	0				0

Janice Lam

From: ARB Audit Staff
Sent: Monday, September 26, 2015 12:36 PM
To: Janice Lam
Cc: FieldTechs@airquality.org
Subject: RE: Scheduling FR Audit for 06-067-0006

Thanks Audit Staff!

Janice

Janice Lam Snyder
SMAQMD

From: ARB Audit Staff [mail to: ARBAuditStaff@arb.ca.gov]
Sent: Monday, September 26, 2015 11:48 AM
To: Janice Lam
Cc: FieldTechs@airquality.org
Subject: Scheduling FR Audit for 06-067-0006

Hi Janice,

We would be able to schedule a Flow Rate Audit for October 7th at the Sacramento-Del Paso Manor site (06-067-0006).

Thank you,

ARB Audit Staff
California Air Resources Board

California Air Resources Board Final Performance Audit Report by Quality Assurance Section Monitoring and Laboratory Division

Manager: Ranjit Bhullar

Phone: (916) 322-0223



AQS Number: 060670006

ARB Number:

Site Name:
Sacramento-Del Paso Manor

Audit Date:

2015-10-07

Auditors:

Station Operator:

Report Contents:
Executive Summaries
Technical Appendices
Audit Calculations
Site Survey Report

When this report has been finalized, it will be available at: <http://www.arb.ca.gov/qaweb/panda/panda.php>

Issue #4

Issue #4

Summary of 'N' flags for all pollutants:				AQS Recommended	Cert. Agency Recommended	
PQAO	Code	AQS Site-ID	POC	Flag	Flag	Reason for AQS Recommendation
0145	42602	06-067-0012	1	N		Annual Summary completeness < 70%.

Definition: Annual performance evaluation for SO₂, NO₂, O₃, or CO. “A performance evaluation must be conducted on each primary monitor once a year.”⁴

Information provided:

- AMP430: Data Completeness Report
- Data Validation Letter
- Logbook entry for November 2015

AQS Site	Parameter	POC	Reason for AQS Recommendation	Comments addressing AQS recommendation
06-067-0015	42602	1	Annual Summary Completeness <70% Flow Rate Audit Completeness <65%	

Questions:

How can this recommendation be avoided at the time of documentation (as opposed to the data certification process)?

What other information could have been useful for this investigation?

⁴ 40 CFR §58 Appendix A 3.1.2

AMP 430

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 DATA COMPLETENESS REPORT

MONITORS REPORTING

DATE RANGE: JAN. 01, 2015 THRU DEC. 31, 2015
 REGION: (09) SAN FRANCISCO
 STATE: California

REP ORG: California Air Resources Board
 MONITOR TYPE: SLAMS

SITE ID CITY ADDRESS	PARAMETER	POC METHOD	DURATION	OBSERVATIONS												YEAR
				NUMBER / PERCENT												
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
06-067-0012 Polsom 50 NATOMA STREET, POLSOM	Nitrogen dioxide (NO2)	1 000	1	545 73%	304 45%	421 57%	441 61%	614 83%	580 81%	601 81%	598 81%	587 81%	530 71%	112 16%	624 84%	5957 68%

February 26, 2016

Ms. Gayle Sweigert
California Air Resources Board
1001 I Street
Sacramento, California 95812

Dear Ms. Sweigert:

I have reviewed the appropriate quality control documents used by Sacramento Metropolitan AQMD and attest that the air monitoring data for the time period of November 2015 for SMAQMD operated sites¹ have been validated in accordance with the criteria established in the ARB procedures for data validation and are acceptable for upload to AQS. Invalid data leading to a significant data impact are noted in enclosure A.

If you have any questions regarding the data, please feel free to contact me at (916) 874-4835

Sincerely,

Janice Lam Snyder, Program Coordinator
Air Monitoring

Enclosure

cc: Aleta Kennard, SMAQMD
Danny Kam, SMAQMD
Stephen D'Andrea, SMAQMD

¹ Sacramento-Branch Center, Sacramento-Bercut Dr., Elk Grove-Bruceville Rd., Sacramento-Del Paso

A. Invalid Data

Site	Parameter	POC	Begin Date and Time	End Date and Time	Number of Hours Impacted	Null Data Qualifier Code	Comments
0015	42101 42603 42601 42602	1 1 1 1	11/10 Hr 15	11/10 Hr 22	7	AE	Shelter temperature 24hr standard deviation exceeds criteria
0011	61104 61103	1 1	11/1 Hr 00	11/5 Hr 15	111	AN	Wind direction sensor connection was wet and reported inconsistent measurement
0011	65102	1	11/8 Hr 05	11/10 Hr 11	54	AN	Rain guage was clogged with a seed
0011	44201	1	11/15 Hr 07	11/17 Hr 13	54	AN	O3 analyzer pump malfunctioned
0011	43102	1	11/28 Hr 06	11/30 Hr 10	52	AN	Power failure caused NMH to malfunction
0006	63301	1	11/1 Hr 00	11/30 Hr 23	720	BA	Solar radiation sensor failed and awaited new parts
0006	11023	1	11/1 Hr 00	11/30 Hr 23	720	BA	Nephelometer malfunctioned
0012	43102	1	11/1 Hr 00	11/2 Hr 13	38	AN	NMHC analyzer malfunctioned
0012	88101	3	11/1 Hr 17	11/5 Hr 12	92	AO/BA	Storm damage caused water leak into the PM25 analyzer
0012	43102	1	11/8 Hr 13	11/10 Hr 12	48	AN/BA	Power failure caused NMH to malfunction
0012	43102	1	11/12 Hr 19	11/30 Hr 23	437	AN/BA	Carrier gas generator to NMH analyzer malfunctioned
0012	42602	1	11/3 Hr 2	11/23 Hr 10	488	AN/BA	Malfunction of the flow pump
0002	44201 42603 42601 42602 42101	1 1 1 1 1	11/4 Hr 20	11/5 Hr 10	15	BK	Hard drive failure affected all analyzers
0002	44201 42603 42601 42602 42101	1 1 1 1 1	11/9 Hr 00	11/9 Hr 10	11	BK	Site operator reset data logger
5003	44201	1	11/4 Hr 06	11/6 Hr 07	50	AE	Shelter temperature 24hr standard deviation exceeds criteria

North Highlands-Blackfoot Way ("0002"), Sacramento-Del Paso Manor ("0006"), Elk Grove-Bruceville ("0011"), Folsom-Natoma St. ("0012"), Sacramento-Goldenland Ct. ("0014"), Sacramento-Bercut Dr. ("0015"), Sacramento-Branch Center ("0284"), Sacramento-Health Dept. ("4001), Sloughhouse-Sloughouse Rd. ("5003")

FOLSOM NOV 2015

DATE	TIME	COMMENTS	INIT.
NOV 2	1300-1345	investigating calibrations and performing safety checks.	DA
NOV 3	810-1145	flow pump malfunction on NO ₂ . Taken offline, waiting for parts. Ordered this morning.	DA
NOV 12	1445-1600	weekly checks. Change inline filters. 633 flow check, clean inlets.	DA.
NOV 20	1305-1420	weekly checks. Change inline filters	DA.
NOV 23	755-1310	replaced flow pump on NO ₂ , working properly and online.	DA.
NOV 29	1100-1330	weekly check and inline filter check.	DA.

Issue #5

Issue #5

Summary of 'N' flags for all pollutants:				AQS	Cert. Agency	
Parameter				Recommended	Recommended	
PQAO	Code	AQS Site-ID	POC	Flag	Flag	Reason for AQS Recommendation
0145	81102	06-067-4001	3	N		Annual Summary completeness < 70%.

Definition: *Flow Rate Verification for PM_{2.5}.* “A one-point flow rate verification check must be performed at least once every month (each verification minimally separated by 14 days) on each monitor used to measure PM_{2.5}.”⁵

Information provided:

- AMP430: Data Completeness Report
- Logbook entry for September 2015
- Corrective Action Notice (CAN)

AQS Site	Parameter	POC	Reason for AQS Recommendation	Comments addressing AQS recommendation
06-067-4001	81102	3	Annual Summary Completeness <70% Flow Rate Audit Completeness <65% Flow Rate Verification completeness <65%	

Questions:

How can this recommendation be avoided at the time of documentation (as opposed to the data certification process)?

What other information could have been useful for this investigation?

⁵ 40 CFR §58 Appendix A 3.2.1

AMP 430

Issue #5

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 DATA COMPLETENESS REPORT

MONITORS REPORTING

DATE RANGE: OCT. 01, 2015 THRU DEC. 31, 2015
 REGION: (09) SAN FRANCISCO
 STATE: California
 REP ORG: California Air Resources Board
 MONITOR TYPE: SLAMS

SITE ID CITY ADDRESS	PARAMETER	POC METHOD	DURATION	OBSERVATIONS												YEAR
				NUMBER / PERCENT												
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
06-067-0015 Sacramento	Carbon monoxide	1	1	0	0	0	0	0	0	0	0	0	403	683	726	1812
				0%	0%	0%	0%	0%	0%	0%	0%	0%	88%	95%	98%	21%
100 Barcut Drive, Sacramento	Nitrogen dioxide (NO2)	1	1	0	0	0	0	0	0	0	0	0	424	252	726	1834
				0%	0%	0%	0%	0%	0%	0%	0%	0%	93%	35%	98%	21%
100 Barcut Drive, Sacramento	PM10 Total 0-10um STP	3	1	665	456	302	665	680	648	201	0	204	721	715	731	5988
				90%	68%	41%	92%	91%	90%	27%	0%	28%	97%	99%	98%	69%
HLTH CTR-2221 STOCKTON BLVD, SACRAMENTO																

Stockton Blvd September 2015

Date	Time	Comments	Initial
9-8	1400-1425	Pick up FRM	RJ
9-11	950 - 1010	Load Hivol 9/16/15 pick up 9/3/15	RJ
9-17	710 - 840	Change Hivol and flow check	RJ
9-21	720 - 1145	Fixed input port malfunction on TEOM	RJ
9-29	720-745	Changed Hivols and pickup FRM	RJ

California Environmental Protection Agency
Air Resources Board
Corrective Action Notification

This form is used to document issues that may impact or potentially impact data quality, completeness, storage, or reporting.

Section I: (to be completed by Initiator)

Initiator: S. D'Andrea Date: 9/23/15
 Subject: TEOM Data Invalidation Agency: SMAQMD

Reason for Corrective Action Notification (continue on an attachment if needed):
Data logger was incorrectly recording TEOM data. On 7/9/15 the data logger somehow switched input ports for capturing data for the TEOM. The port was monitoring the NMHC concentration on the TEOM channel.

Start Date & Time: 7/9/15 08:00 End Date & Time: 9/21/15 13:00 Estimated?
 Parameter(s) affected: TEOM PM10 Expected Completion Date: 9/21/15
*Up to 45 days from Initiation Date
 Supervisor: [Signature] Date: 9/23/15

Section II: (to be completed by responsible section or organization)

Corrective Action Taken (continue on an attachment if needed):

Action taken by: _____ Date: _____

Resolution (continue on an attachment if needed): *Include changes to prevent recurrence, and any effect on data.
Data will be invalidated prior to submittal to CARB for upload into AQS.

Resolved by: _____ Date: _____

Forward to: Michael Miguel, PQAO Point of Contact; PO BOX 2815, Sacramento, California 95812; michael.miguel@arb.ca.gov

For questions regarding the CAN process, contact PQAO@arb.ca.gov

CAN # assigned: _____

Data Certification Exercise – Final Questions

1) What is the main objective of data certification in plain language?

2) What information did you check to address the AQS recommendations in the AMP600 report?

3) Did you run into any challenges during the data certification process?
