2019 PQAO Training

JUNE 4 – 6, 2019

UC DAVIS CONFERENCE CENTER

Overview

- ▶ PQAO Overview and History of Training
- ▶ Topics of Focus
- ▶ Benefits of Participation
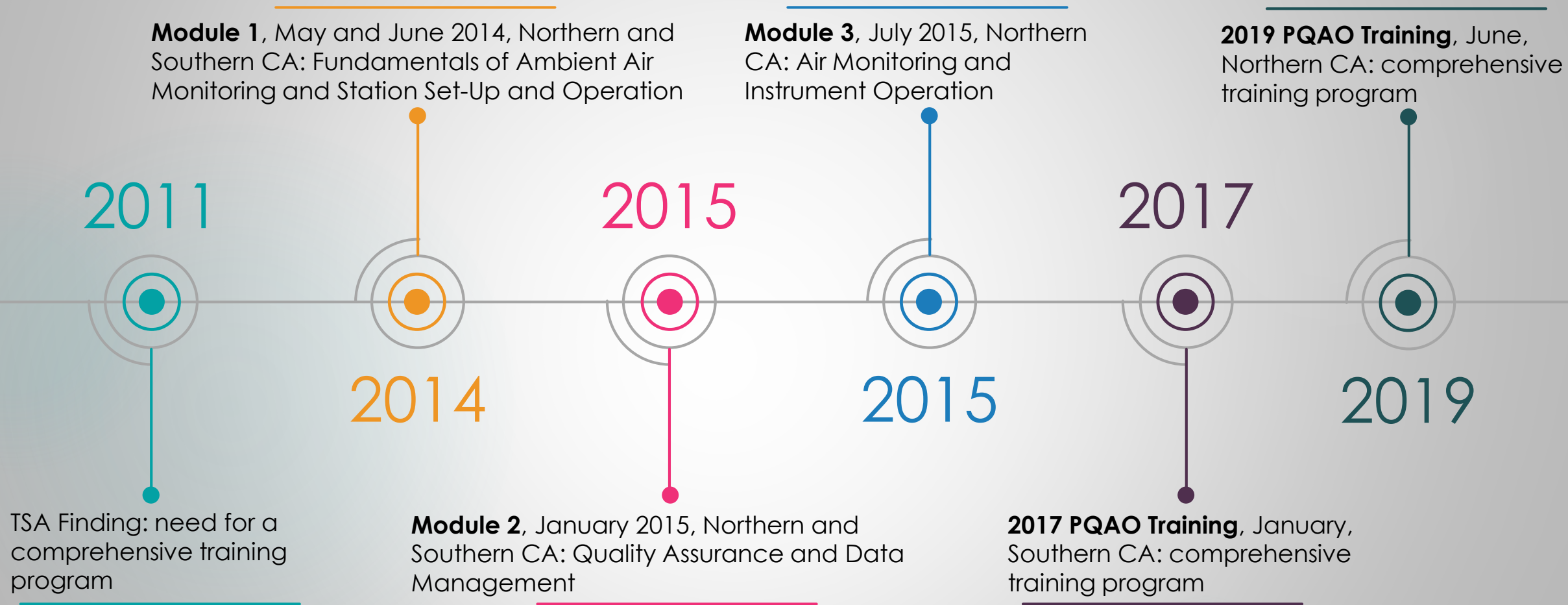- ▶ Event Logistics
- ▶ Agenda
- ▶ Evaluation Cards

PQAO Review

- A PQAO ensures that data are:
  - Consistent
  - Defensible
  - High Quality

PQAO Requirements

PQAO Training—A History

Module 1, May and June 2014, Northern and Southern CA: Fundamentals of Ambient Air Monitoring and Station Set-Up and Operation

Module 3, July 2015, Northern CA: Air Monitoring and Instrument Operation

2019 PQAO Training, June, Northern CA: comprehensive training program

2011

2015

2017

2014

2015

2019

TSA Finding: need for a comprehensive training program

Module 2, January 2015, Northern and Southern CA: Quality Assurance and Data Management

2017 PQAO Training, January, Southern CA: comprehensive training program

Topics of Focus

- ▶ PQAO and Network Design
- ▶ Quality Assurance
- ▶ Station Operations and Laboratory Programs
- ▶ Data Management and Quality Control
- ▶ Databases, Emerging Technologies, and Project Updates
- ▶ Vendors

Benefits of Participating

- ▶ Learn something new
- ▶ Apply practices and procedures to air monitoring programs
- ▶ Network opportunities

Training Logistics

Training Rooms

Lunch Options

Evening Gathering

Training Website

pqao.aqrc.ucdavis.edu

Agenda-at-a-Glance

DAY 1	TUESDAY, JUNE 4, 2019
8:00 – 8:50	**Registration**
8:50 – 12:00	**General Session**
12:00 – 1:30	**Lunch on Your Own**
1:30 – 5:00	**Breakout Sessions / Vendor Exhibit Viewing**
DAY 2	**WEDNESDAY, JUNE 5, 2019**
8:30 – 12:00	**General Session**
12:00 – 1:30	**Lunch on Your Own**
1:30 – 5:00	**Breakout Sessions / Vendor Exhibit Viewing**
DAY 3	**THURSDAY, JUNE 6, 2019**
8:30 – 11:30	**Breakout Sessions / Vendor Exhibit Viewing**
11:30 – 1:00	**General Session**

Day 1 General Session

GENERAL SESSION	BALLROOMS A & B
8:00 – 8:50	**Registration (in Foyer)**
8:50 – 9:05	**Opening Remarks** Grace Tuazon
9:05 – 9:35	**Keynote Address** Eric Stevenson
9:35 – 9:55	**5-Year Network Assessment** Craig Anderson
9:55 – 10:15	**Network Design** Dena Vallano
10:15 – 10:45	**Break / Vendor Exhibit Viewing**
10:45 – 11:15	**The Importance of Data: End User Perspective** Theresa Najita and YuShuo Chang
11:15 – 11:45	**Station Operations** Nathan Trevino
11:45 – 12:00	**Life of PM2.5 Filter (video)**
12:00 – 1:30	**Lunch on Your Own**

Day 1 Breakout Sessions

BREAKOUT SESSIONS	CONFERENCE ROOM A	CONFERENCE ROOM B	BALLROOM A	BALLROOM B	BALLROOM C
1:30 – 2:10	**Network Design: Real World Exercises** Joel Cordes and Joe Tona	**The Top 3 Problems with Station Documentation and Solutions** David Medina	**Station Operations: A Day in the Life** Randy Lam	**Exceptional Events Process** Michael Flagg	**2B Technologies**
2:20 – 3:00	**SOPs and Addenda** Joel Craig and Leah Mathews	**PM2.5 Federal Reference Method: Bridging the Gap Between Laboratory and Field Operations** Dustin Goto and Elias Villa	**Station Operations: Q&A Forum** Ali Adams, Al Dietrich, Reggie Smith, and Karl Tupper	**Where Do All the Data Go?** Emily Gorrie	**American Ecotech** **Agilaire** **Alicat Scientific** **Ambilabs**
3:00 – 3:30	Break / Vendor Exhibit Viewing				**EarthSoft**
3:30 – 4:10	**Network Design: Real World Exercises** Joel Cordes and Joe Tona	**The Top 3 Problems with Station Documentation and Solutions** David Medina	**Station Operations: A Day in the Life** Randy Lam	**Exceptional Events Process** Michael Flagg	**Envirosuite** **Met One Instruments** **Sonoma Technology, Inc**
4:20 – 5:00	**SOPs and Addenda** Joel Craig and Leah Mathews	**PM2.5 Federal Reference Method: Bridging the Gap Between Laboratory and Field Operations** Dustin Goto and Elias Villa	**Station Operations: Q&A Forum** Ali Adams, Al Dietrich, Reggie Smith, and Karl Tupper	**Where Do All the Data Go?** Emily Gorrie	**Teledyne API** **Thermo Fisher Scientific**

KEY

PQAO and Network Design	Station Operations and Laboratory Programs	Data Management and Quality Control
Quality Assurance	**Databases, Emerging Technologies, and Project Updates**	**Vendors**

Evaluation Cards

2019 PQAO Training General Session Evaluation

CALIFORNIA
AIR RESOURCES BOARD

Please complete both sides and submit at the back of the room.

General Session attended (check one):

☐ Day 1   ☐ Day 2   ☐ Day 3

1. Rate the overall quality of the general session on a scale from 1-10, 10 b

2. Was the information useful to your job? (c

☐ Not very useful

General Session Evaluation Comments

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Please complete both sides and submit at the back of the room.

2019 PQAO Training Breakout Session Evaluation

CALIFORNIA
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Please complete both sides and submit to the room monitor.

Breakout Session attended (day and title):

_____

1. Rate the overall quality of the general session on a scale from 1-10, 10 b

2. Was the information useful to your job? (c

☐ Not very useful

Breakout Session Evaluation Comments

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Please complete both sides and submit to the room monitor.

Lets Get Started!

▶ Keynote Speaker: Eric Stevenson,
Bay Area Air Quality Management District