**PQAO Training 2019 – Draft Agenda**

**DAY ONE: TUESDAY, JUNE 4, 2019**

7:05 – 7:35 **(30) Registration**

7:35 – 7:50 (15) Opening Remarks

7:50 – 8:20 **(30) Keynote Address**

8:20 – 8:50 (30) PQAO Updates & Webtour1­

8:50 – 9:20 (30) 5-Year Network Assessment and Network Plan1

9:20 – 9:50 (30) Network Design1

9:50 – 10:20 (30) Data from an End User Perspective (CARB & District)1

10:20 – 10:50 **(30) Break**

10:50 – 11:10 (20) Data Point from Field to Lab to AQS2

11:10 – 12:00 (50) Station Documentation: Essentials and Common Issues (& E books?)2

12:00 – 1:30 **(90) Lunch**

1:30 – 5:00 (3 hr + 30 min break) Day 1 Breakout Sessions

**DAY TWO: WEDNESDAY, JUNE 5, 2019**

7:40 – 7:50 **(10) Opening Remarks**

7:50 – 8:10 (20) TSA Overview and Common Findings4

8:10 – 8:40 (30) Performance Audits: Lower Levels & New Instruments (Picaro)4

8:40 – 9:30 (50) AQDA Presentation (Interactive)4

9:30 – 9:50 (20) CAN Presentation4

9:50 – 10:20 **(30) Break**

10:20 – 10:40 (20) CARB Standards Lab: Definitions, Services, NIST4

10:40 – 11:05 (25) Data Validation Template3

11:05 – 11:30 (20-30) Why QC Program is Critical3

11:30 – 12:00 **(30) Q&A Session**

12:00 – 1:30 **(90) Lunch**

1:30 – 5:00 (3 hr + 30 min break) Day 2 Breakout Sessions

**DAY THREE: THURSDAY, JUNE 6, 2019**

8:00 – 10:30 (2½ hr) Day 3 Breakout Sessions

10:30 – 11:00 **(30) Break**

11:00 – 11:40 (40) Field QA of Sensor Networks (Airpointer) & Sensors/AQ Spec5

11:40 – 12:20 (40) SNAPs/617 Progress5

12:20 – 12:50 (30) T640, EBAM+, and More (Regulatory Emphasis)5

12:50 – 1:05 **(15) Wrap Up**

**Items in bold need to have allotted at least the amount of time listed.**

1Subcommittee 1: PQAO, Network Design, & Training

2Subcommittee 2: Station Operations & Laboratory Programs

3Subcommittee 3: Data Management & Quality Control

4Subcommittee 4: Quality Assessment & Calibration/Certification

5Subcommittee 5: Databases, Emerging Technologies, & Project Updates

**Tuesday, June 4, 2019 – Day 1 Breakout Sessions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Room 1** | **Room 2** | **Room 3** | **Room 4** |
| 1:30 – 2:10 | AQS Data Codes3/  Consistency of Null Code Usage (Field/Lab)2 | Sensors vs. Regulatory Monitors2 | Network Design (exercise)1 | General Database Overview5 |
| 2:20 – 3:00 | Site Operations 101 “A Day in the Life”2 | Bridging Gap Between Lab & Field (w/ mention of EQuIS)2 | AQS5 | Electronic Log Book Case Study3 |
| 3:00 – 3:30 | **BREAK** | | | |
| 3:30 – 4:10 | Repeat 1:30 – 2:10 | Repeat 1:30 – 2:10 | Repeat 1:30 – 2:10 | Repeat 1:30 – 2:10 |
| 4:20 – 5:00 | Repeat 2:20 – 3:00 | Repeat 2:20 – 3:00 | Repeat 2:20 – 3:00 | Repeat 2:20 – 3:00 |

**Wednesday, June 5, 2019 – Day 2 Breakout Sessions**

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|  | **Room 1** | **Room 2** | **Room 3** | **Room 4** |
| 1:30 – 2:10 | SOPs & Addendums (expectations, pros/cons, examples)1 | Data Validation Levels (adaptable for small agencies)3 | QAPPs Updates (effect on field/lab operations)2 | Audit vs Calibration (levels, collaboration)4 |
| 2:20 – 3:00 |  | Traceability: steps, examples, NIST4 | Common equipment maintenance/repair issues2 | Met data (validation, open forum)3 |
| 3:00 – 3:30 | **BREAK** | | | |
| 3:30 – 4:10 | Repeat 1:30 – 2:10 | Repeat 1:30 – 2:10 | Repeat 1:30 – 2:10 | Repeat 1:30 – 2:10 |
| 4:20 – 5:00 | Repeat 2:20 – 3:00 | Repeat 2:20 – 3:00 | Repeat 2:20 – 3:00 | Repeat 2:20 – 3:00 |

**Thursday, June 6, 2019 – Day 3 Breakout Sessions**

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|  | **Room 1** | **Room 2** | **Room 3** | **Room 4** |
| 8:00 – 8:30 | Exceptional Events Process1 | TAPI 640 hands-on with vendor4 | Possible Special Studies case5 |  |
| 8:40 – 9:10 | Wildfire Experiences (exceptional event; case study)5 | STI/AirNow Tech (25)5 | FluxSense/S. Coast Mobile (25)5 |  |
| 9:20 – 9:50 | Repeat 8:00 – 8:30 | Repeat 8:00 – 8:30 | Repeat 8:00 – 8:30 |  |
| 10:00 – 10:30 | Repeat 8:40 – 9:10 | Repeat 8:40 – 9:10 | Repeat 8:40 – 9:10 |  |

1Subcommittee 1: PQAO, Network Design, & Training

2Subcommittee 2: Station Operations & Laboratory Programs

3Subcommittee 3: Data Management & Quality Control

4Subcommittee 4: Quality Assessment & Calibration/Certification

5Subcommittee 5: Databases, Emerging Technologies, & Project Updates

**Vendors**

Agilaire

Alicat Scientific

American EcoTech (+ Ambilabs)\*

APIS

BGI/Mesa Labs

EQuIS

Fluke

Met One\*

Purple Air

RM Young

Sabio

STI

Teledyne/API\*

Thermo\*

\*will likely require a larger space

**Keynote Ideas**

Monitoring wildfires: health impacts, future outlook, etc.

**Presentation ideas not on draft agenda**

GS = General Session

BOS = Breakout Session

* Subcommittee 1: PQAO, Network Design, & Training
  + (BOS) Training Plans
* Subcommittee 2: Station Operations & Laboratory Programs
  + (GS) You Found What?! Visual TSA Findings in Field and Lab (possibly add to Day 2 GS TSA Overview and Common Findings)
  + (GS) 1-pt QC checks
* Subcommittee 3: Data Management & Quality Control
  + (BOS) Zero Air Certification: How do we do it? (pending status info from EPA)
  + (BOS) Documentation essentials (repeat of Sub. 2 General Session topic)
  + (GS) Electronic Log Books—policy
* Subcommittee 4: Quality Assessment & Calibration/Certification
  + (GS) Challenges in Quality of Gas Cylinders (pending status info from EPA)
* Subcommittee 5: Databases, Emerging Technologies, and Project Updates
  + (BOS) Auto GC/PAMS
  + (BOS) Fence line/Refinery Monitoring
  + (BOS) Metals, Paramount