



UTILITY & INDUSTRY

CEMS

TRAINING PROGRAM

For CEMS Users that are subject to:
EPA Part 75 Acid Rain, Part 60 NSPS, CSAPR,
the EGU MATS Rule and the Greenhouse Gas Regulations

**Includes
ACE
Rule**

Presented by Agora Environmental Consulting
March 30-April 1, 2021

**Includes
EGU MATS
Rule**

VIRTUAL TRAINING SESSION

Comments from previous Agora CEMS Training Program Attendees:

*“This course was one of the best organized and informative from a practical standpoint.
The book (course manual) is much appreciated and useful.”*

“Well organized course and appeared well practiced”

*“The content was of good quality and I would recommend the course to others involved
in CEMS programs with the electric utility industry”*

“Instructors have excellent knowledge of the subjects”

This CEMS Training Program addresses Acid Rain and NSPS CEM issues and other air emissions monitoring topics such as mercury, particulate matter, 3-D flow measurement, CEMS technology and performance, MACT standards, the CSAPR Rule and the constantly evolving regulations confronting the CEMS user.

Agora Environmental Consulting (formerly RMB Consulting & Research, Inc.) brings more than 100 years of combined experience in air pollution control and air pollution consulting to its custom designed training programs. We specialize in providing services primarily to the electric utility industry and its associated organizations. Agora's Utility & Industry CEMS Users Training Programs are conducted by nationally recognized experts and are designed to educate

CEMS users (environmental engineers, DRs, instrument supervisors and technicians) in the discipline of continuous emission monitoring and data reporting, and to inform them of the latest regulatory developments. Agora also provides on-site training for the Utility & Industry CEMS users responsible for complying with regulatory requirements. Utility and Industry clients desiring on-site training can choose topics from the agenda list below. Call Agora for additional information.

TRAINING PROGRAM OVERVIEW

This comprehensive, 3-day training program covers: (1) Discussion of the most recent CEMS rule revisions to 40 CFR Part 75; (2) An overview of 40 CFR Part 75 and NSPS Part 60 CEMS regulations; (3) Fundamental CEMS concepts, such as equations for converting measurements to units of an emission standard; (4) An introduction to gas, flow, and opacity CEMS technologies; (5) 40 CFR Part 75 CEMS certification and recertification requirements; (6) 40 CFR Part 75 CEMS QA/QC requirements; (7) EPA 3-D flow rate methods; (8) Auditing of quarterly EDRs; (9) Overview of new opacity monitor performance specifications; (10) QA/QC requirements following analyzer maintenance; (11) 40 CFR Part 75 Appendix D&E monitoring & reporting requirements; (12) Overview of mercury,

particulate matter, and HCl monitoring; (13) EGU MATS requirements; and (14) the ACE Rule.

Due to continuing safety concerns and hotel restrictions resulting from COVID-19, Agora has decided it is in the best interest of the attendees and our staff to hold the Spring 2021 session of our CEMS Training Course virtually via Zoom and YouTube, rather than in person. We apologize for this temporary inconvenience.

The course cost is \$1,399. This fee includes a \$250 non-refundable registration deposit, tuition, an extensive course manual and USB drive including current regulatory material. For specific questions concerning course content or materials, contact Robert Bivens at (919) 791-3133.

Class Schedule	
Tuesday, March 30:	9am-5pm
Wednesday, March 31:	9am-5pm
Thursday, April 1:	9am-5pm
All times Eastern Time	

ANTICIPATED TOPICS • Spring 2021

Course Introduction

Historical and Regulatory Overview of CEMS

- Acid Rain, NSPS, and MACT

Part 75 Audit Requirements

- RATAs and Bias
- Daily and Quarterly QA/QC
- Certification Testing

Part 75 Appendix D Requirements

Part 75 Appendix E Requirements

Part 60 Audit Requirements

Part 75 Rule Revisions and Updates

CSAPR

CEMS Fundamentals

- Units of Measurement
 - Conversions
 - Equations and Calculations
- #### Gas and Flow CEMS Technology
- Straight Extractive
 - Dilution Extractive
 - In-Situ
 - SO₂, NO_x, CO₂, and O₂
 - Flow

The EGU MATS Rule

Mercury (Hg) Monitoring

QA/QC Requirements following Maintenance

- Corrective and Preventive Maintenance
- Diagnostic Test Events
- Recertification Test Events

QA Plans and QA/QC Program Requirements

Opacity COMS Technology

Part 75 Quarterly Reports and EDRs

Emissions Averaging

HCl CEMS

Particulate Matter (PM) Monitoring

The Greenhouse Gas and ACE Rules

Miscellaneous "Special" Topics

NOTE

Day 3 of the training will be dedicated to the EGU MATS Rule

Length and/or order of course presentations subject to change. Vendor companies, specific personnel, and/or associated equipment also subject to change or cancellation.



Utility & Industry CEMS Training Program • March 30-April 1, 2021

REGISTRATION FORM

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Mr/Ms NAME _____ COMPANY _____

ADDRESS _____ CITY _____ STATE _____ ZIP _____

TELEPHONE _____ E-MAIL _____

PREVIOUS ATTENDEE _____ Yes _____ No

TRAINING PROGRAM FEE.....\$1,399 (CHECKS OR CREDIT CARDS ACCEPTED)

PLEASE MAIL OR E-MAIL COMPLETED REGISTRATION FORM TO:
Agora Environmental Consulting, 4000 Blue Ridge Road, Suite 160, Raleigh, NC 27612
(919) 510-5102 Main • pierce@agoraenv.com

All checks must be made payable to Agora Environmental Consulting
All credit card information must be provided to Agora over the phone.

Training program fee includes a \$250 non-refundable registration fee, tuition, and course materials (notebook and USB drive). For specific questions concerning the course technical content materials contact Robert Bivens at (919) 791-3133. For registration and payment questions contact Stacey Pierce at (919) 791-3120. All course materials will be shipped to each attendee the week of March 21, 2021

Agora reserves the right to cancel the training program without prior notice. In the event of program cancellation, registrants will receive full refunds. Incomplete or illegible registration forms will not be accepted. Registration forms will also not be accepted once the class is full.

Visit the Training Section on our Web Site at <http://www.agoraenvironmental.com> for additional information.

Agora Environmental Consulting
4000 Blue Ridge Road
Suite 160
Raleigh, NC 27612

REGISTRATION

Complete the registration form in this brochure to register for the Agora Utility & Industry CEMS Users Training Program. Payments must be made by check or credit card to: Agora Environmental Consulting. All registrants must be paid in full before being admitted into the training program. Direct your questions concerning registration to the Agora Course Registrar, Stacey Pierce at (919) 791-3120.