

Western States Air Resources Council
and
California Environmental Protection Agency
Air Resources Board Enforcement Division

Present
National Air Compliance Training Delivery Project
Uniform Air Quality Training Program
200 Series

October 25 – October 29, 2010

Training Location

State of Idaho – Dept of Environmental Quality
State of Idaho DEQ
1410 N. Hilton Street
Boise, Idaho 83706

CARB 200 Series training program provides information on processes emission points, controls and inspection points for a variety of industrial processes. Each course includes a classroom session and field training at a representative facility, which gives the opportunity to involved in rule development, permitting and emission inventory development.

<u>DATE/TIME</u>	<u>TOPICS</u>
Monday, October 25 8:30 am – 4:30 pm	Industrial Boilers Course - #273* (With pm field visit)
Tuesday, October 26 8:00 am – 5:00 pm	Compliance Assurance Monitoring Course - # 220*
Wednesday, October 27 8:30 am – 5:00 pm	Landfill Gas Control Facilities Course - # 285* (With pm field visit)
Thursday, October 28 - Friday, October 29 8:30 am – 5:00 pm	Theory & Application of Common Air Pollution Control Devices Course - # 299* (With pm field visit)

***Field visits and an exam are required for completion of each course. All students must have proper safety equipment, including hard hat, safety shoes, earplugs, and eye protection.**

For more information, please contact: Jeff Gabler, Training Mgr - (503) 478-4955 or jgabler@westar.org

REGISTRATION FORM

Training Location

State of Idaho – Dept of Environmental Quality
State of Idaho DEQ
1410 N. Hilton Street
Boise, Idaho 83706

October 25-29, 2010

NAME _____

TITLE _____

AGENCY _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE/FAX _____

E-MAIL _____

Please check which courses you will be attending:

- All Days
- Monday, October 25 Industrial Boilers – CARB 273
- Tuesday, October 26 Compliance Assurance Monitoring – CARB 220
- Wednesday, October 27 Landfill Gas Control Facilities – CARB 285
- Thursday, October 28 – Friday, October 29 Theory & Application of Common Air Pollution Control Devices – CARB 299

There are no registration fees for state, local and tribal air agency staff

**PLEASE FAX COMPLETED FORM BY
FRIDAY, SEPTEMBER 24 TO:**

WESTAR Council – Attn: Jeff Gabler
715 SW Morrison Street, Ste. 503
Portland, OR 97205
Tel: (503) 478-4955
Fax: (503) 478-4961



**Industrial Boilers
CARB Course #273
Boise, Idaho
Monday, October 25, 2010**

Tentative Agenda

8:30	Boiler Uses Boiler Theory and Operation Air Pollution Control Devices
9:30	Break
9:45	Boiler Regulations Typical Permit Conditions
10:45	Break
11:00	Inspection Procedures Continuous Emission Monitoring Source Testing Requirements
12:00	Lunch (on your own)
1:30	Site Visit
3:30	Review and Exam
4:30	Adjournment



**Compliance Assurance Monitoring
CARB Course #220
Boise, Idaho
Tuesday, October 26, 2010**

Tentative Agenda

- 8:00 Introduction/Background
- 8:30 Purpose of CAM
- 10:00 Break
- 10:15 CAM Examples
- 10:45 The CAM Regulation
- 11:30 Evaluation Factors
- 12:00 Quality Improvement Plans (QIP's)
- 12:30 Lunch
- 1:30 Excursions & Exceedances
- 2:00 Compliance Issues
- 2:30 Break
- 2:45 Regulatory Agency Role
- 4:15 Exam & Exam Review & Evaluation
- 5:00 Adjourn



**Landfill Gas Control Facilities
CARB Course #285
Boise, Idaho
Wednesday, October 27, 2010**

Tentative Agenda

8:30	Introduction & Course Overview
8:45	Landfill Fact and Figures
9:00	Primary Air Pollutants from Landfills
10:00	Break
10:15	Landfill Gas Control Devices
10:45	Secondary Air Pollutants
11:15	Monitoring Equipment
12:00	Lunch
1:00	Rules, Regulations and Laws
1:30	Inspection of Landfill Gas Operations
2:00	Site Visit
4:30	Review & Course Exam
5:00	Adjourn



Theory & App. of Common A.P. Control Devices
CARB Course #299
Boise, Idaho
Thursday, Oct 28 – Friday, Oct 29, 2010

Tentative Agenda

Day 1

Power Plant Emission Control Equipment

- 8:30 Introductions
- 8:45 Introduction to Control of Air Pollution
- 9:00 Control of Power Plant Emissions - CO Catalysts
- 9:30 Control of Oxides of Nitrogen (NO_x)
- 10:00 Break
- 10:15 NO_x Controls
- 11:15 Break
- 11:30 Control of Particulate Emissions and Ammonia Slip
- 12:00 Lunch (on your own)

Control of Volatile Organic Compounds

- 1:00 Introduction to VOCs and HAPs
- 1:15 Introduction to VOC Control
- 1:30 Material Usage Minimization and Waste Containment
- 1:45 Absorption
- 2:00 Break
- 2:45 Absorption and Adsorption
- 3:15 Break

3:30 Capture & Destroy -- Capturing Emissions & Oxidation

5:00 Adjourn

Day 2

Control of Particulate Emissions

8:30 Introduction to Control of PM

8:45 Cyclones and Baghouses

9:30 Baghouses and Electrostatic Precipitators

10:00 Break

10:15 ESPs and Scrubbers

11:00 Break

11:15 Particulate Filters and Gas-Fired IC Engine Controls

12:00 Lunch

1:00 Plant Visit

4:30 Questions, Course Exam and Review

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