



**Western States Air Resources Council
(WESTAR Council)**

October 3-6, 2023

Training Location

Bachechi Open Space Educational Building
9521 Rio Grande Blvd NW
Albuquerque, NM 87114

Aggregate, Asphalt, & Concrete Batch Plants (TOXC219)

Tuesday, October 3 & Wednesday, October 4, 2023

8:30 am – 5:00 pm

*w/site visit

VOC Control Devices (TOXC106)

Thursday, October 5, 2023

8:30 am – 5:00 pm

*w/site visit

Landfill Gas Control Facilities (TOXC229)

Friday, October 6, 2023

8:30 am – 4:30 pm

*w/site visit

Registration Deadline: Friday, September 15, 2023

***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) 744-0486 or jgabler@westar.org

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REGISTRATION INSTRUCTIONS:

1. Log onto EPA's AirKnowledge and create a profile, or log onto your existing AirKnowledge account. <https://epaapti.csod.com/client/epaapti/default.aspx>
2. When you complete your profile, you will receive a confirmation e-mail to activate your new account. It may take several minutes before receiving the email.
3. Once activated, log into your account.
4. Click the "Instructor Led Training Calendar" link under the "My Training" tab.
5. Search the calendar for the training date(s). On the calendar you will see a course description. Hover over the text for additional information.
6. To register click the course title link.
7. In the lower righthand corner of the page you will see a "Request" button. Click it.
8. At this point you have requested a seat in the training. Because demand for WESTAR sponsored training frequently exceeds availability, all registrants are placed on a waitlist.
9. You will receive an email from Jeff Gabler confirming your request.
10. WESTAR attempts to accommodate all requests but at times it may be necessary to prioritize attendees.

AGGRAGATE, HOT MIX ASPHALT, AND CONCRETE BATCH FACILITIES (TOXC219)

LEARNING OBJECTIVES: Those completing this course will gain a basic understanding of the general information associated with aggregate, asphalt, & concrete batching operations plants. Attendees will be able to perform regulatory reviews involving the following elements of Aggregate, Asphalt, and Concrete Batching operations:

The following topics will be covered in this course:

- Emissions and Health Impacts
- Aggregate Industry
- Aggregate Process
- Engineering Evaluation
- Inspection Procedures for Aggregate, Asphalt and Concrete operation
- Concrete Emissions and Effects
- Hot Mix Process and Control
- Permit Requirements
- Health Impacts

VOLATILE ORGANIC COMPOUNDS CONTROL DEVICES (TOXC106)

LEARNING OBJECTIVES: Those completing this course will gain a basic understanding of the general information associated with volatile organic compound control devices. Attendees will be able to perform regulatory reviews involving the following elements of gaseous emissions control: The following topics will be covered in this course:

- Absorbers
- Adsorbers
- Condensers
- Oxidizers
- Process descriptions
- Rule discussion
- Inspection procedures

LANDFILL GAS CONTROL DEVICES (TOXC229)

LEARNING OBJECTIVES: Those completing this course will gain a basic understanding of the Landfill Gas control systems.

The following topics will be covered in this course:

- Facts and figures regarding Landfills
- Primary and Secondary air pollutants at Landfills
- Methane monitoring equipment
- Inspections and safety tips
- Scientific principles behind landfill gas generation
- Landfill gas collection technologies and principles
- Landfill gas controls and energy uses
- Description of landfill gas monitoring equipment and proper use
- Regulatory Overview and Update on Green House Gas Regulations, CCR Title 17, Section 95460
- Inspection and Safety Tips



Aggregate, Asphalt, & Concrete Batch Plants (TOXC219) Tuesday, October 3 – Wednesday, October 4, 2023

Tentative Agenda

Tuesday

Aggregate Plants

- | | |
|-------|--------------------------|
| 8:30 | Introductions & Pre-Test |
| 8:45 | History |
| 9:00 | Health Effects |
| 9:30 | Industry Overview |
| 10:00 | Break |
| 10:15 | Process Equipment |
| 10:45 | Emission Control Methods |
| 11:30 | Inspection Techniques |
| 12:00 | Lunch (on your own) |

Concrete Batch Plants

- | | |
|------|-----------------------|
| 1:00 | History |
| 1:15 | Health Impacts |
| 1:30 | The Concrete Process |
| 2:00 | Industry Description |
| 2:45 | Inspection Procedures |
| 3:00 | Break |

3:15 Inspection Procedures (*cont'd*)

4:00 Engineering Evaluation

5:00 Adjourn

Wednesday

Hot Mix Asphalt Plants

8:30 Introduction

8:45 Emissions & Health Effects

9:00 The Process

10:00 Break

10:15 The Process (*cont'd*)

10:45 Emission Control Methods

12:00 Lunch (on your own)

1:00 Plant Visit

4:30 Review & Post-Test

5:00 Adjourn for the Day



VOC Control Devices (TOXC106) Thursday, October 5, 2023

Tentative Agenda

8:30	Introduction, Course Overview, & Pre-Test
8:45	VOC Calculations
9:00	Capture, Control, Containment & Prevention
9:15	Adsorption
9:45	Absorption
10:00	Break
10:15	Condensation Devices
10:30	Oxidation Devices
11:30	Scrubbers
11:45	Inspection Techniques
12:00	Lunch (on your own)
1:00	Site Visit
4:00	Adjourn



Landfill Gas Control Facilities (TOXC229) Friday, October 6, 2023

Tentative Agenda

8:30	Introduction/Course Overview/Pre-Test
8:45	Landfill Facts & Figures
9:00	Primary Air Pollutants from Landfills
9:30	Collection & Monitoring of Landfill Gases
10:00	Break
10:15	Landfill Gas Control Devices
10:45	Secondary Air Pollutants
11:15	Monitoring Equipment
12:00	Lunch (on your own)
1:00	Rules, Regulations & Law
2:00	Site Visit
4:30	Questions, Review & Course Examination
5:00	Adjourn