



**Western States Air Resources Council
(WESTAR Council)
and
National Council on Aging
(NCOA)**

May 16-19, 2017

Training Location

**Washington Department of Ecology
300 Desmond Drive SE
Lacey, WA 98503
Phone: 360-407-6000**

Theory & Application of Air Pollution Control Devices (NACT 299)

Tuesday, May 16 – Wednesday, May 17, 2017

8:30 am – 5:00 pm

*w/site visit

Aggregates, Concrete, & Hot Mix Asphalt Facilities (NACT 246)

Thursday, May 18 – Friday, May 19, 2017

8:30 am – 5:00 pm

*w/site visit

Registration Deadline: Friday, April 28, 2017

***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

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REGISTRATION INSTRUCTIONS:

First Time Users (www.APTI-Learn.net):

1. Click on the “[First time user? Click here to register](#)” link in the upper right-hand corner of the webpage;
2. First screen requires: 1) work email address; 2) first and last names; 3) password; and 4) security question;
3. Second screen asks about affiliation/agency. There are two options for filling out this section:
 - Agency Quick Search, or;
 - Affiliation/Agency
4. Third screen includes a list of job functions and other profile information. You can click as many (or few) job functions as appropriate. Once you have completed this third screen, you are done setting up your profile.

After completing the profile:

5. Click the “Register” tab on the left side, or the “Register” bubble in the middle of the page;
6. Scroll down the 2017 Training Calendar until you see the training course that you are interested in registering for;
7. On the right side of the table you will see a “register” link;
8. Click the “register” link, and voila you are registered (be patient it takes a few seconds for the confirmation note to pop-up);
9. You will receive an automatically generated email saying that you have been placed on a waiting list (this is so unapproved attendees can be weeded out).
10. Once approved, you will receive a second email saying you are enrolled.

Previously Registered Users (www.APTI-Learn.net):

1. Enter email address and password in appropriate spaces;
2. Go to step 5 (above) and follow directions.

IF YOU NEED ASSISTANCE REGISTERING FOR A COURSE PLEASE CONTACT

JEFF GABLER AT:

(503) 478-4955

JGABLER@WESTAR.ORG

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**Theory & Application of Air Pollution Control Devices
(NACT 299)
Tuesday, May 16 – Wednesday, May 17, 2017**

Tentative Agenda

Tuesday, May 16

Power Plant Emission Control Equipment

- 8:30 Introductions & Pre-Test
- 8:45 Introduction to the 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 Matter Emissions & Ammonia Slip
- 12:00 Lunch (on your own)

Control of Volatile Organic Compounds (VOC)

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

3:15	Break
3:30	Capture & Destroy – Capturing Emissions & Oxidation
5:00	Adjourn

Wednesday, May 17

Control of Particulate Matter Emissions

8:30	Introduction to Control of Particulate Matter Emissions
8:45	Cyclones & Baghouses
9:30	Baghouses & Electrostatic Precipitators (ESP)
10:00	Break
10:15	ESP & Scrubbers
11:00	Particulate Filters & Gas-Fired IC Engine Controls
12:00	Lunch (on your own)
1:00	Plant Visit
4:30	Post-Test
5:00	Adjourn for the Day



Aggregate, Concrete, and Hot Mix Asphalt Plants (NACT 246) Thursday, May 18 – Friday, May 19, 2017

Tentative Agenda

Tuesday, May 18

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

Friday, May 19

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