



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

October 31 – November 3, 2017

Training Location

Hilton Garden Inn Denver/Cherry Creek
600 South Colorado Blvd
Denver, Colorado 80246
Phone: 303-754-9800

Industrial Boilers (NACT 273)

Tuesday, October 31, 2017
8:30 am – 5:00 pm
*w/site visit

Stationary Reciprocating Engines (NACT 271)

Wednesday, November 1, 2017
8:30 am – 5:00 pm
*w/site visit

Stationary Gas Turbines (NACT 272)

Thursday, November 2, 2017
8:30 am – 5:00 pm
*w/site visit

Compliance Assurance Monitoring (NACT 220)

Friday, November 3, 2017
8:30 am – 5:00 pm

Registration Deadline: Friday, October 6, 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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Industrial Boilers (NACT 273) Tuesday, October 31, 2017

Tentative Agenda

8:30	Introduction, Course Overview, & Pre-Test
9:00	Terminology & Boiler Types
9:15	Theory & Operation of Boilers
10:00	Break
10:15	Boiler Components & Design
11:00	Emissions & Control Techniques
12:00	Lunch (on your own)
1:00	Boiler Regulations & Permits
1:30	Monitoring, Source Testing, Inspections and Safety
2:00	Site Visit
4:30	Questions, Review & Post-Examination
5:00	Adjourn



Stationary Reciprocating Engines (NACT 271) Wednesday, November 1, 2017

Tentative Agenda

8:30	Introduction, Course Overview, & Pre-Test
9:00	Reciprocating Engines Operating Theory <ul style="list-style-type: none">• Spark Ignition & Compression Ignition• 4-Stroke Cycle & 2-Stroke Cycle• Engine Power
9:30	Air/Fuel Delivery System <ul style="list-style-type: none">• Carburetors• Fuel Injectors
10:00	Break
10:15	Emissions from IC Engines
10:45	Emission Control Methods
12:00	Lunch (on your own)
1:00	Emission Control Methods (<i>cont'd</i>)
1:30	Regulation <ul style="list-style-type: none">• Definitions• Exemptions• Emission Standards
2:00	Inspecting Stationary Reciprocating Engines
2:15	Break
2:30	Site Visit
4:30	Questions, Review & Post-Examination
5:00	Adjourn



Stationary Gas Turbines (NACT 272) Thursday, November 2, 2017

Tentative Agenda

8:30	Introduction/Course Overview/Pre-Test
9:00	Technical Terms & Engine Types
9:15	Turbine Sections & Components
10:00	Break
10:15	Power & Steam Generation
11:00	Emissions, Control Techniques & Interactive Exercises
11:45	Combined Heat & Power (Cogeneration)
12:00	Lunch (on your own)
1:00	Regulatory Requirements & Permits
1:30	Monitoring, Source Testing & Inspections, and Safety
2:00	Site Visit
4:30	Questions, Review & Course Examination
5:00	Adjourn



Compliance Assurance Monitoring (NACT 220) Friday, November 3, 2017

Tentative Agenda

8:30	Introduction, Course Overview, & Pre-Test
9:00	CAM Background, Purpose, Rule History, Principles, and Design Criteria
9:45	Emissions, Mass Balance Calculations and Pre-Control PTE
10:00	Break
10:15	Affected Sources, New Concepts, Mass Balance Calculations, Control Devices
10:45	Monitoring – Design Criteria, Frequency & Indicator Levels of Confidence
11:00	Break
11:15	Role of the Source – Monitoring Approach & Design Criteria
12:00	Lunch (on your own)
1:00	Design Evaluation Factors, Recordkeeping & Reporting
1:30	QIPs, Status of Compliance, Compliance Certification
2:00	Break
2:15	Role of Permitting Authority – Agency & EPA Roles
3:00	Break
3:15	Monitoring Approaches & Limitation of Selected Control Devices
4:15	Enforcement & Enforcement Authority
4:30	Questions, Review & Post-Examination
5:00	Adjourn