

Combustion Source Evaluation (APTI 427)

May 15-18, 2012

Cheney, Washington

NAME: _____

TITLE: _____

AGENCY: _____

ADDRESS: _____

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REGISTRATION DEADLINE:

Friday, April 13, 2012

HOTEL DEADLINE:

n/a

WESTAR Council

Combustion Source Evaluation (APTI 427)

May 15-18, 2012

Washington State Digital Archives

Room 213-E

960 Washington Street

Cheney, WA 99004



Western States Air Resources Council

TUESDAY, MAY 15, 2012

8:30	am	Welcome & Introduction
8:45	am	Pre-Test
10:00	am	Introduction to Combustion Source Evaluation
10:55	am	Combustion I: Basic Concepts
12:00	pm	Lunch (on own)
1:00	pm	Fuels I: General Features
2:00	pm	Combustion II: Excess Air
3:00	pm	Combustion III: Chemical Energy
3:50	pm	Fuels II: Fuel Properties
4:30	pm	Adjourn for Day

WEDNESDAY, MAY 16, 2012

8:30	am	Discuss Review Exercises
9:15	am	Combustion Systems I: Conventional Systems
10:25	am	Combustion Systems II: Gas Incineration Systems
10:40	am	Combustion Systems III: Boilers & Controls
11:30	am	Combustion Systems IV: Municipal Waste Combustion
12:00	noon	Lunch (on own)
1:00	pm	Air Pollution Formation I: Acid Gases
1:30	pm	Air Pollution Formation II: Particulates and Metals
2:00	pm	Air Pollution Formation III: NOx
3:30	pm	Air Pollution Formation IV: Organics
4:30	pm	Adjourn for Day

THURSDAY, MAY 17, 2012

8:30	am	Discuss Review Exercises
9:40	am	Air Pollution Control I: Particulates
10:50	am	Air Pollution Control II: Acid Gases
11:25	am	Air Pollution Control III: Modification for NOx
12:15	noon	Lunch (on own)
1:15	pm	Air Pollution Control IV: NOx Flue Gas Cleaning
1:50	pm	Emissions I: Efficiency Applications

2:40	pm	Emissions II: Monitoring Systems
3:45	pm	Emissions III: Calculations
4:30	pm	Adjourn for Day

FRIDAY, MAY 18, 2012

8:30	am	Discuss Review Exercises
9:45	am	Emissions IV: Engines & Turbines
10:25	am	Emissions V: Gas & Oil Boilers
11:20	am	Emissions VI: Coal & Wood-Fired Boilers
12:00	noon	Lunch
1:00	pm	Emissions Workshop
2:30	pm	Post-Test & Course Evaluation
4:30	pm	Adjourn

ABOUT THE TRAINING COURSE

WESTAR's Training Center will host this training course for state, local and tribal air quality professional staff.

Course Description

Students successfully completing this course should have the knowledge to work on combustion-related pollution problems such as estimating the actual and potential air pollution emissions from combustion sources; reviewing applications for permits to construct combustion facilities; and developing recommendations to improve the performance of malfunctioning combustion equipment.

Major topics

- Combustion sources burning liquid and solid wastes
- Combustion sources burning fossil fuel
- Combustion engines (diesel engines, gas turbines, etc.)
- Combustion principles
- Design and operational parameters
- Selected fundamental calculations
- Pollution control devices

SPACE LIMITATION: Registration is limited to 30 attendees. Air quality staff from the fifteen western states receive registration preference.

Registration Fees:

There are no registration fees for state, local or tribal air quality agency staff. For federal air quality professionals the registration fee is \$300.

TRAINING LOCATION

Washington State Digital Archives
Building #56 on [Campus Map](#)
Room 213-E
960 Washington Street
Cheney, WA 99004
Phone: 509-235-7500

PARKING INFORMATION

Designated Parking Lot P-18* (E-16 on [Campus Map](#))

No Fees for Parking in Lot P-18

*Attendees Parking in Other Lots are Responsible for Any Fines Incurred, or for Paying Parking Meter Fees.

HOTEL INFORMATION

Attendees and speakers are responsible for making their hotel reservations. Below is a potential hotel in Cheney. The listed hotel may/may not be within walking distance. WESTAR DOES NOT have room blocks at this hotel. There are numerous hotels in the Spokane area (approximately 17 miles from Digital Archives Building). Please ask for government rate.

Holiday Inn Express

111 Betz Road
Cheney, WA 9900
Phone: (509) 235-1100
Approx. 1.5 miles from Digital Archives Building