



# Education Program

# 2010

## COURSE DATE

### SEPTEMBER 1

### 9:00 a.m. - 4:00 p.m.



## LOCATION

### HOLIDAY INN

### 1-81, Exit 80

### 604 Station

### Road

### Grantville, PA

### (717) 469-0661



## COMBUSTION TECHNOLOGY - WHAT THE FUTURE HOLDS?

*One of two Suggested Prerequisite Programs for Silver Certification*

This seminar is designed for all levels of service and installation technicians to promote a greater understanding of the “Black Art” of combustion technology as well as current and future standards to promote the reduction of emissions harmful to the environment.

The program will cover the theory of combustion (both condensing and non-condensing), current acceptable testing equipment, proper testing procedures including CO (carbon monoxide), CO2 (carbon dioxide), and other emissions. It will cover evaluating test results in order to troubleshoot equipment and select efficiency improvement options to help reduce emissions and energy consumption.

Seminars will include discussions on current and new technology in venting practices and the role they play in today’s optimum efficient equipment, as well the necessity for using outside fresh air for combustion to reduce service, repeat calls and maintenance calls. Combustion air requirements will also be addressed.

The class will utilize visual aids, manuals, and information from a variety of industry sources, and has been developed to be informative and educational. Although technical, the information will be general in nature.

*Limited to 35 Registrants  
For Each Program*  
**SIGN UP NOW !!!**



COMBUSTION TECHNOLOGY

**PENNSYLVANIA PETROLEUM MARKETERS & CONVENIENCE STORE ASSOCIATION**

P.O. Box 68  
Highspire, PA 17034-0068

Please enroll the following in your **COMBUSTION TECHNOLOGY - WHAT THE FUTURE HOLDS?**, September 1:

**NAME** (Please PRINT Clearly or TYPE in FULL)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**COMPANY** \_\_\_\_\_

If subsidiary or branch of member, print parent company below:

\_\_\_\_\_

**MAILING ADDRESS** \_\_\_\_\_

**CITY** \_\_\_\_\_ **STATE** \_\_\_\_\_ **ZIP** \_\_\_\_\_

**PHONE** (\_\_\_\_) \_\_\_\_\_ **FAX** (\_\_\_\_) \_\_\_\_\_

**AUTHORIZED BY** \_\_\_\_\_

**TITLE** \_\_\_\_\_

**Authorized E-Mail** \_\_\_\_\_  Check Enclosed for \$ \_\_\_\_\_

Charge my:  MasterCard  Visa  Discover Account Number \_\_\_\_\_ Expiration Date \_\_\_\_\_

Cardholder's Name (Please Print) \_\_\_\_\_ Signature \_\_\_\_\_

*Detach here and mail today!*

**NO REGISTRATION WILL BE ACCEPTED  
UNLESS ACCOMPANIED BY PAYMENT IN FULL**

**REGISTRATION FEE**  
**\$125.00 Per Person**  
**CONFIRMATION WILL BE SENT THREE  
WEEKS PRIOR TO THE PROGRAM.**  
**Seminar will start promptly on time.**  
**Please allow ample time for road  
conditions.**

**OUR INSTRUCTOR:** George M. Kusterer, Director of Technical and Field Support, Bock Water Heaters, Madison, WI, has over 40 years of field experience in both residential and commercial installation and service. He served as national technical manager for Riello and Danfoss, and has developed and conducted numerous training programs throughout the U.S. and Canada.

**THE COMBUSTION TECHNOLOGY - WHAT THE FUTURE HOLDS? WILL COVER:**

- \* Efficiency Terms – What They Mean and How to Use Them as a Diagnostic Tool.
- \* Adjustment of Heating Equipment for Maximum Efficiency.
- \* Venting Systems – Past, Present and Future, Including Sealed Combustion.
- \* Types of Combustion Testing Equipment and their Proper Use.
- \* Efficiency Testing Procedures.
- \* CO (Carbon Monoxide) - Learn the Facts About CO, Why It Happens, How to Test for It, and How to Prevent It.
- \* Evaluating and Understanding Efficiency Test Results, and How to Make Improvement Recommendations To Your Customers.
- \* Selecting Efficiency Improvement Options
  - Atomization, Fuel Pump Pressure and Nozzle Sizing
  - Draft and Types of Venting
  - Chimneys and Draft Conditions
  - Outside Combustion Air
  - Negative and Positive Pressure Combustion
  - New Equipment

**PAYMENT POLICY:** Payment can be made by check or credit card. Visa, MasterCard and Discover information may be faxed to PPMCSA at (717) 902-0290.

**CANCELLATION POLICY:** Cancellations will be accepted up to 3 days prior to the program date. No refund will be made unless the cancellation is **received more than 3 days prior to the scheduled program.**

**CERTIFICATE OF TRAINING/CREDITS:** Will be awarded to each student who completes the course and passes the examination. A passing grade is worth **8 CEUs** towards NORA re-certification and is also a NATE Recognized Provider course that grants **8 hours** of credit towards re-certification. **Technician must have NATE ID card with them.**

**OVERNIGHT ACCOMMODATIONS:** Lodging, transportation and meals (other than lunch) are the responsibility of the student.