

2009 Fall Smoke Schools

Payment Options

1. BY MAIL - CHECKS OR CREDIT CARDS

Make your check payable to VTCA and mail to Stacy Saunders at VTCA, 620 Moorefield Park Drive, Suite 120, Richmond, VA 23236. Indicate SMOKE SCHOOL on your check.

2. BY FAX - CREDIT CARDS ONLY

Credit Cards - Please fill out the information below to authorize VTCA to charge your credit card and fax it to Stacy Saunders at 804-330-3850.

Please print legibly.

Circle type of card: Visa MasterCard American Express

Credit Card #: _____

Name on Card: _____

Expiration Date: _____ Amount to be charged: _____

Signature: _____

Telephone: _____

Company Billing Address & Zip Code: _____

ENROLLMENT FEES (Per attendee)

<u>Classroom & Field</u> -	VTCA Member - \$225
	Non Member - \$250
<u>Field Only</u> -	VTCA Member - \$185
	Non Member - \$205

CANCELLATION POLICY

We will be unable to accommodate refunds for cancellations after September 23, 2009. No refunds will be granted after that date, but substitutions will be accepted.



2009 FALL SMOKE SCHOOLS

Glade Spring, VA - September 26
Manakin, VA - September 28
Blue Ridge, VA - September 29

The Virginia Transportation Construction Alliance will be sponsoring three Visible Emissions (Smoke) Schools in the fall. The courses will be held on September 26 in Glade Spring at Mountain Materials, on September 28 in Manakin at Luck Stone and September 29 in Blue Ridge at Boxley.

The schools are designed to produce qualified observers who can make plume opacity determinations that are accurate and minimally affected by variable field conditions.

To maintain valid certification under Federal law, observers are required to take the field session every six months. The classroom lecture must be taken once for initial certification and is recommended again every three years.

VTCA will be utilizing Arthur Eberle of Compliance Assurance Associates, Inc. to conduct the Fall Smoke Schools. Eberle is a Chemical Engineer with a diverse background in process engineering and environmental compliance. He has over 22 years of technical, process and project experience, the last eight years as President and Owner of Compliance Assurance Associates, Inc.

Virginia Transportation Construction Alliance
620 Moorefield Park Drive, Suite 120
Richmond, VA 23236
804-330-3312

The Instructor/Program

Arthur Eberle will conduct the VTCA Smoke Schools in accordance with EPA Reference Method 9, offering attendees who meet the qualification requirements with official certification to conduct visible emissions evaluations.

Compliance Assurance Associates, Inc. training meets or exceeds EPA requirements, and the requirements of each State environmental agency, including Virginia. The certificates are valid nationwide.

Eberle's training techniques are recognized around the country and are based on opacity and visible emissions readings becoming second nature for attendees.

The workshop consists of an optional half day classroom lecture and a half day Method 9 field-testing and certification.

You may attend the classroom, take the Method 9 certification field test and earn a certificate in one day. EPA recommends the lecture for all new attendees and every third year thereafter. You are required to retake the field test every six months to maintain Method 9 certification.

Each test consists of opacity readings of 25 white plumes and 25 black plumes. Attendees will know the fundamentals required for reading opacity before each portion of the test. Testing methods and equipment meet or exceed EPA requirements.

Lecture Program Includes:

- ◆ History, theory, and methods for evaluating visible emissions;
- ◆ Sources of visible emissions;
- ◆ Air pollution meteorology;
- ◆ Field operations;
- ◆ Legal concepts;
- ◆ Testing procedures;
- ◆ Focus is on how to make reading legally defensible.

Field Activities Include:

- ◆ Presentation of opacity standards to familiarize applicants with the characteristics of those standards and to teach applicants to recognize the standards and determine opacities of stationary plumes.
- ◆ Practice runs of readings. These runs allow feedback to the student and assist in the learning process. Each participant can evaluate their own performance and adjust their readings as needed.
- ◆ Qualification runs. Applicants must meet the following criteria for each run: 50 readings (25 white, 25 black); randomly presented values (from 0-100% opacity); pass on both white and black sets on the same test; average error rate of 7.5% or less; and no error greater than 15% opacity will be accepted.

Smoke School Registration

Please use one form per attendee.

PLEASE CIRCLE THE CLASS LOCATION YOU WILL BE ATTENDING:

Glade Spring - September 26 (Mountain Materials)

Manakin - September 28 (Luck Stone)

Blue Ridge - September 29 (Boxley)

Name: _____

Company: _____

Address: _____

City: _____

State: _____ Zip: _____

Phone: _____ Fax: _____

E-mail: _____

_____ Classroom & Field Session (8:00 a.m. to 12:30 p.m.)

_____ Field Session Only (10:00 a.m. to 12:30 p.m.)

Send completed registration form to Stacy Saunders, VTCA,
620 Moorefield Park Drive, Suite 120, Richmond, VA 23236.

Payment options on reverse.