

The Virginia Transportation Construction Alliance will be holding three Visible Emissions (Smoke) Schools in the fall. The courses will be held on September 25 in Glade Spring at Mountain Materials, on September 28 in Manakin at Luck Stone and September 30 in Blue Ridge at Boxley Materials.

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.

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.

## LOCATIONS AND DIRECTIONS

### **GLADE SPRING - September 25**

Mountain Materials Glade Spring Plant  
14196 Monroe Road, Glade Spring, VA 24340

#### **From points North and South:**

- Take exit 29 (Route 91)
- From the south, turn right; from the north, turn left
- Continue through the stoplight at the intersection of Route 11
- Continue on Monroe Road (Route 91)
- Glade Stone is on the right, approximately 1.5 miles

### **MANAKIN - September 28**

Luck Stone Boscobel Plant  
Boscobel Road, Manakin, VA 23103

#### **From Points East and West:**

- From Interstate 64, take exit 180, Gaskins Rd
- Take Gaskins Rd south to Patterson Avenue (Route 6)
- Turn right on Patterson Avenue
- Turn left on Boscobel Road

#### **From Points North and South:**

Take Interstate 95 to Interstate 64 West  
Same as directions above

### **BLUE RIDGE - September 29**

Boxley Materials Blue Ridge Plant  
Route 460 East, Blue Ridge, VA 24064

#### **From Points North and South:**

- Take exit 150A towards Troutville
- Go straight through the stoplight at Route 11 (this will be Route 604)
- Turn left onto Route 460 East
- Boxley Materials will be on the right, approximately 5 miles



Virginia Transportation Construction Alliance

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# VTCA

Virginia  
Transportation  
Construction  
Alliance

## 2010 Fall Smoke Schools



Glade Spring, VA -  
September 25

Manakin, VA -  
September 28

Blue Ridge, VA -  
September 29

### About the Course

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.

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.

### CANCELLATION POLICY

We will be unable to accommodate refunds for cancellations after September 17, 2010. No refunds will be granted after that date, but substitutions will be accepted.

### 2010 Fall Smoke School Registration

Please use one form per attendee.

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Please select one class option below:

<b>GLADE SPRINGS September 25, 2010</b>	<b>MANAKIN September 28, 2010</b>	<b>BLUE RIDGE September 29, 2010</b>
<input type="checkbox"/> Classroom & Field Session (8:00 a.m. to 12:30 p.m.)	<input type="checkbox"/> Classroom & Field Session (8:00 a.m. to 12:30 p.m.)	<input type="checkbox"/> Classroom & Field Session (8:00 a.m. to 12:30 p.m.)
<input type="checkbox"/> Field Session Only (10:00 a.m. to 12:30 p.m.)	<input type="checkbox"/> Field Session Only (10:00 a.m. to 12:30 p.m.)	<input type="checkbox"/> Field Session Only (10:00 a.m. to 12:30 p.m.)

### ENROLLMENT FEES (Per attendee)

Classroom & Field -  
 VTCA Member - \$225  
 Non Member - \$250

Field Only -  
 VTCA Member - \$185  
 Non Member - \$205

**Compare & SAVE!**

### PAYMENT OPTIONS

#### 1. ONLINE REGISTRATION —

You can visit [www.vtca.org](http://www.vtca.org) and register with either credit card or check. Click on VTCA Calendar, select March, pick your class and click the "Online Registration" link. Registration is required. This is the fastest way to register!

#### 2. BY MAIL - CHECKS OR CREDIT CARDS

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

#### 3. BY FAX - CREDIT CARDS ONLY

Fill out the information below to authorize VTCA to charge your card and fax it to Stacy Saunders at 804-330-3850.

#### Please print legibly.

Circle type of card:            Visa            MasterCard            American Express

Credit Card #: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Name on Card: \_\_\_\_\_ Amount to be charged: \_\_\_\_\_

Signature: \_\_\_\_\_ Telephone: \_\_\_\_\_

Company Billing Address & Zip Code: \_\_\_\_\_