

The Virginia Transportation Construction Alliance will be holding three Visible Emissions (Smoke) Schools in the fall. The courses will be held on March 27 in Glade Spring at Mountain Materials, on March 30 in Manakin at Luck Stone and March 31 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 - March 27

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 - March 30

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 - March 31

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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Construction Alliance

620 Moorefield Park Dr
Suite 120
Richmond, VA 23236

Phone: 804-330-3312
Fax: 804-330-3850

VTCA

Virginia
Transportation
Construction
Alliance

2010 Spring Smoke Schools



Glade Spring, VA -
March 27

Manakin, VA -
March 30

Blue Ridge, VA -
March 31

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 March 19, 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:

GLADE SPRINGS March 27, 2010	MANAKIN March 30, 2010	BLUE RIDGE March 31, 2010
<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 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: _____