

## LOCATIONS AND DIRECTIONS

### **RICHMOND - March 6**

Luck Stone Rockville Quarry (**NEW Location**)  
1950 Rockville Industrial Way Goochland, VA 23146

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

- From Interstate 64, take exit 173, Ashland Road (State Route 623)
- Take Ashland Road north to Rockville Industrial Way
- Turn right on Rockville Industrial Way

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

- Take Interstate 95 to Interstate 64 West
- Same as directions above

### **ROANOKE - March 13**

Boxley 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

### **ABINGDON - March 16**

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

#### **From points North and South From I-81:**

- 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



**Virginia Transportation  
Construction Alliance**

620 Moorefield Park Drive  
Suite 120  
Richmond, VA 23236

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

# VTCA

**Virginia Transportation  
Construction Alliance**

## 2019 Spring Smoke Schools



**Richmond, VA - March 6**

**Roanoke, VA - March 13**

**Abingdon, VA - March 16**

### About the Course

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

Arthur Eberle of Compliance Assurance Associates, Inc. will conduct the 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.

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.

### Classroom 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.

## 2019 Spring Smoke School Registration

Please use one form per attendee.

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

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

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

City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Please select one class option below:

<b>RICHMOND March 6, 2019</b>	<b>ROANOKE March 13, 2019</b>	<b>ABINGDON March 16, 2019</b>
<input type="checkbox"/> Classroom & Field Session (8:00 am to 12:30 pm)	<input type="checkbox"/> Classroom & Field Session (8:00 am to 12:30 pm)	<input type="checkbox"/> Classroom & Field Session (8:00 am to 12:30 pm)
<input type="checkbox"/> Field Session Only (10:00 am to 12:30 pm)	<input type="checkbox"/> Field Session Only (10:00 am to 12:30 pm)	<input type="checkbox"/> Field Session Only (10:00 am to 12:30 pm)

### ENROLLMENT FEES (Per attendee)

#### Classroom & Field

VTCA Member - \$260

Non Member - \$285

#### Field Only

VTCA Member - \$235

Non Member - \$250

### PAYMENT OPTIONS

#### 1. **ONLINE REGISTRATION**

Visit the Events page at [www.vtca.org](http://www.vtca.org) to register securely by credit card.

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

Make your check payable to VTCA and mail to VTCA, 620 Moorefield Park Drive, Suite 120, Richmond, VA 23236. Indicate Smoke School on your check. Or fill out the information below to authorize VTCA to charge your card and fax to Stephanie Rusnak at 804-330-3850.

#### *Please print legibly.*

Circle type of card:      Visa              MasterCard              American Express              Discover

Credit Card #: \_\_\_\_\_

Expiration Date: \_\_\_\_\_      CVV Code: \_\_\_\_\_      Amount To Be Charged: \_\_\_\_\_

Name on Card: \_\_\_\_\_

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

Billing Address & Zip Code: \_\_\_\_\_  
(if different from above)

### CANCELLATION POLICY

We will be unable to accommodate refunds for cancellations within three business days of the class you are attending. Substitutions will be accepted.