“Fundamentals of Asbestos by Transmission Electron Microscopy”

TEM TRAINING COURSE

MVA Scientific Consultants
3300 Breckinridge Boulevard
Suite 400
Duluth, GA 30096

Course Instructors
Steven P. Compton, Ph.D.
James R. Millette, Ph.D.

Taught at our facility, this 3-day course includes basic instruction in sample preparation and hands-on use of the TEM in diffraction and x-ray elemental analysis modes for particle identification emphasizing asbestos.

The course includes information on electron diffraction featuring indexing and pattern matching.

Discussion on asbestos in air, water, dust, bulk materials, soil, vermiculite and talc methods is included, as well as information about the asbestiform vs. non-asbestos issues.

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**Key Topics**

1. **ASBESTOS BASICS**

2. **AIR METHODS**
   - AHERA
   - NIOSH 7402
   - ISO10312
   - ASTM D6281

3. **AIR SAMPLE COLLECTION AND PREPARATION**

4. **IDENTIFICATION OF ASBESTOS BY TEM**
   - Analysis by TEM
   - EDXA
   - Electron Diffraction Calibrations

5. **COUNTING GUIDELINES**

6. **REPORTING**

7. **DUST AND WATER METHODS**

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**Who Should Attend**

Analysts and laboratory managers who are involved with the analysis of samples for asbestos fibers. A basic knowledge of microscopy is helpful, but not required.

**Class size**

Limited to 6 students to allow considerable hands-on microscopy experience with the methods.

**Cost**

$1500 – Lab fees, course materials & lunches are included in the cost of the course.

**Registration**

You may download a registration form at:
www.mvainc.com/tem-training

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For more information please contact
Dr. Steven P. Compton
at
770.662.8509

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