

# Fume Hood Performance Testing (FHT) Seminar

May 5-6, 2025

## This Seminar is Designed For

- Biosafety professionals
- Laboratory Managers
- Industrial hygienists
- Researchers and fume hood users
- Facility engineers, architects, and certifiers for fume hoods
- Health, Safety, and Environmental professionals that who wish to develop or improve internal protocols regarding fume hoods
- Individuals who are gathering information about the testing procedures performed by NEBB Certified Professionals to assist in the preparation of testing criteria and the auditing of Fume Hood Performance Testing.
- Individuals who want a refresher course before taking the NEBB FHT Certified Professional exams
- Business Owners/Executives who are considering the opportunities available for expanding into the fume hood testing market

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## Location

### **Robert B. Gawne NEBB Training and Education Center**

8575 Grovemont Circle  
Gaithersburg, MD 20877

Registration Deadline: **April 4, 2025**



May 5-6, 2025



**Bohdan (Don) Fedyk**

Don has over 35 years of experience in design, application, and verification of HVAC laboratory systems and containment. He is a member of both the ASHRAE SPC 110 and NEBB FHT Committees and is a NEBB Certified Professional in multiple disciplines: FHT, TAB, BSC, and S&V.



**Erik Pfarr**

Erik is the Vice President of Operations for Technical Balance. He is a NEBB Certified Professional in Cleanroom and Fume Hoods and holds accreditations in TAB, NFS49, and CETA Sterile Compounding Facilities.

## About This Seminar

**Chemical fume hoods are one of the most important items of safety equipment present within the laboratory. It is vitally important they are properly used and maintained. Chemical fume hoods serve to control the accumulation of toxic, flammable, and offensive vapors by preventing their escape into the laboratory atmosphere. Fume hoods provide physical isolation and containment of chemicals and their reactions, thus serving as a protective barrier between laboratory personnel and the chemical or chemical process within the fume hood. Chemical fume hoods are an important means of protecting personnel from chemical exposure and ensure compliance with OSHA and other mandated EH&S regulations. They play a critical role in the overall ventilation health of the laboratory and building; understanding this relationship is crucial for a well-functioning fume hood.**

The seminar will provide attendees with an overview of laboratory HVAC concepts, including discussions of environmental safety enclosures, such as fume hoods, biosafety cabinets, ventilated balance enclosures, and other containment equipment. The basic operation of fume hoods and other containment enclosures and their respective applications and features will be presented.

The NEBB Procedural Standard for Fume Hood Performance Testing will be reviewed with emphasis on the requirements for NEBB Firm certification, NEBB Certified Professional certification, instrumentation, as well as reporting and testing requirements. Detailed presentations will be provided for the three primary fume hood performance tests: Airflow Velocity, Airflow Visualization, and Tracer Gas Containment.

Instructors will provide hands-on demonstrations of these performance tests where attendees are able to participate and interact with the equipment and instruments. Proper testing procedures will be emphasized, along with reporting requirements and the evaluation of test results.

## Seminar Schedule:

If you are interested in certification and/or taking the FHT exams, please contact [certification@nebb.org](mailto:certification@nebb.org)

### Monday, May 5, 2025

(6.5 CECs)

**8:00 am:** Registration

**8:30 am – 5:00 pm:** Introduction to Fume Hood Performance Testing, HVAC Basics, Fume Hood Types, Fume Hoods Vs BioSafety, Cabinets, Safety and Protocol, Overview of Testing Requirements, Review of FHT Protocol, Airflow Velocity Testing and Hands-on Demonstration.

*(Lunch Provided)*

### Tuesday, May 6, 2025

(5.5 CECs)

**8:00 am – 4:15 pm:** Airflow Visualization Testing and Hands-On Demonstration, Tracer Gas Containment Testing and Hands-On Demonstration, Reporting, and Seminar Review Session.

*(Lunch provided)*

### Wednesday, May 7, 2025

**8:00 am - 6:00 pm:** FHT Written and Practical exams (exact schedule to be determined)

### Thursday, May 8, 2025

**7:00 am - 6:00 pm:** FHT Written and Practical exams (exact schedule to be determined)

Candidates attempting the exam(s) are encouraged to make return travel arrangements for the day after the conclusion of the exam- this ensures you are available for the entire exam window.



## Travel Information

We recommend all attendees that are unfamiliar with the seminar location or require travel from another location review the following information prior to registering for this seminar.

### Hotels

Attendees can make reservations directly with the hotel of their choice. Below is a short list of hotels in close proximity to the training center. Hotel and transportation costs are not covered by the seminar registration fee.

#### Homewood Suites Gaithersburg

805 Russell Ave  
Gaithersburg, MD 20879  
301-670-0008  
[Booking Link](#)

#### Hilton Garden Inn & Homewood Suites by Hilton

14975 Shady Grove Rd  
Rockville, MD 20850  
240-507-1800  
[Booking Link](#)

### Airport

**Ronald Reagan Washington National Airport (DCA):** 30 miles from the facility, 37 minutes average drive time; \$80 average taxi fare.

**Dulles International Airport (IAD):** 33 miles from the facility, 34 minutes average drive time; \$80 average taxi fare.

**Baltimore/ Washington International Airport (BWI):** 40 miles from the facility, 44 minutes average drive time; \$100 average taxi fare.

### Important Dates and Times:

#### Arrival in Gaithersburg, MD

Sunday, May 4, 2025

#### Seminar Dates

Monday-Tuesday, May 5-6, 2025

#### Optional FHT Written Exam & Practical Exam

Wednesday-Thursday, May 7-8, 2025

### Seminar Location:

#### The Robert B. Gawne NEBB Training and Education Center

8575 Grovemont Circle  
Gaithersburg, MD 20877

# NEBB MAY FHT SEMINAR REGISTRATION

**Registration form and payment must reach the NEBB office on or before April 4, 2025.**

Pre-registration and payment of fees are necessary to ensure your participation in the seminar.

## Register Online

1. Log into your Certelligence portal
2. Scroll down to “My Events”
3. Select your desired seminar and complete the registration

## Seminar Fees

\$1400 FHT Seminar Registration Fee (Does not include candidacy application or exam fees)

## Publication Fees

- \$95 NEBB/ \$125 Non-NEBB: Procedural Standard for Fume Hood Performance Testing - 2016

## Optional Exam Opportunity

If you are interested in testing after the seminar, please email [certification@nebb.org](mailto:certification@nebb.org) for the candidacy application material. **Pre-approval and payment are required before March 21st.**

## Cancellation Policy

Cancellation by registrants, regardless of reason, will be subject to a \$250 service charge to cover NEBB's expenses. A refund of the prepaid registration will be made less the \$250 service charge. No Shows or late cancellations (those who registered for the seminar who do not cancel at least 14 days prior to the seminar and subsequently do not attend the course) will forfeit the entire registration fee unless a replacement can be found. NEBB reserves the right to cancel any seminars having insufficient registrants, in which case, all prepaid registration fees will be refunded in full. Please advise NEBB and your hotel of your cancellation as soon as possible.

## Attendee and Seminar Requirements:

### Recommended Publications:

To achieve the best learning results, it is highly recommended that attendees read the following publications BEFORE attending the seminar:

- NEBB Procedural Standards for Fume Hood Performance Testing - 2nd Edition
- ANSI/ ASHRAE 110 - 2016 Methods of Testing Performance of Laboratory Fume Hoods
- ANSI/ AIHA Z 9.5 - 2022 Laboratory Ventilation
- NEBB Environmental Systems Technology
- 2019 Procedural Standard for TAB of Environmental Systems - 9th Edition
- TAB Manual for Technicians, 2021
- ASHRAE Handbook: HVAC Applications, Chapter 16, Laboratories
- BoK Approved 2018/09/04, v.12

\*The instructor assumes that all attendees have a thorough working knowledge of the requirements of these publications prior to attending the seminar. Publications can be purchased online at [www.nebb.org](http://www.nebb.org)

### Other:

1. Registrations will be filled on a “first come-first served” basis. Please note that class sizes are limited due to Covid Social Distancing Protocol.
2. Seminar fees include course instruction, lunch, am/pm breaks.
- 3. Seminar fees do not include anything pertaining to certification. For information on certification or exams please contact [certification@nebb.org](mailto:certification@nebb.org).**



## Our COVID-19 Response Plan

Considering COVID-19, NEBB has taken several proactive steps to help ensure the health and safety of our attendees and instructors. Precautions such as constant sanitization of the seminar area, increased attention to high-touch areas in the rooms.

- **We ask that you**
  - Sanitize hands prior to entering the seminar location
  - Avoid shaking hands or engaging in any unnecessary physical contact
  - Signing a waiver prior to the seminar
  
- **Please stay home if**
  - You are experiencing any symptoms of COVID-19 like running a fever, coughing, or shortness of breath, please do not attend the seminar
  - You have been exposed to someone who has tested positive for COVID-19 in the last 14 days
  - You have a compromised immune system or are considered “high risk”

