

Building Enclosure Testing (BET) Seminar

July 10-12, 2023

Gaithersburg, MD

Location:

NEBB TEC

8575 Grovemont Circle

Gaithersburg, MD 20877

This Seminar is Designed for:

- Any professional looking to become familiar with building enclosure testing
- Architects, engineers, building commissioning agents
- Building owners, operators, and facility maintenance/management personnel
- Building facility, building auditors, and safety professionals
- Energy auditors
- Technicians and managers experienced in building enclosure testing who are seeking to become certified in this discipline.

Registration Deadline:

June 10, 2023





Our COVID-19 Response Plan

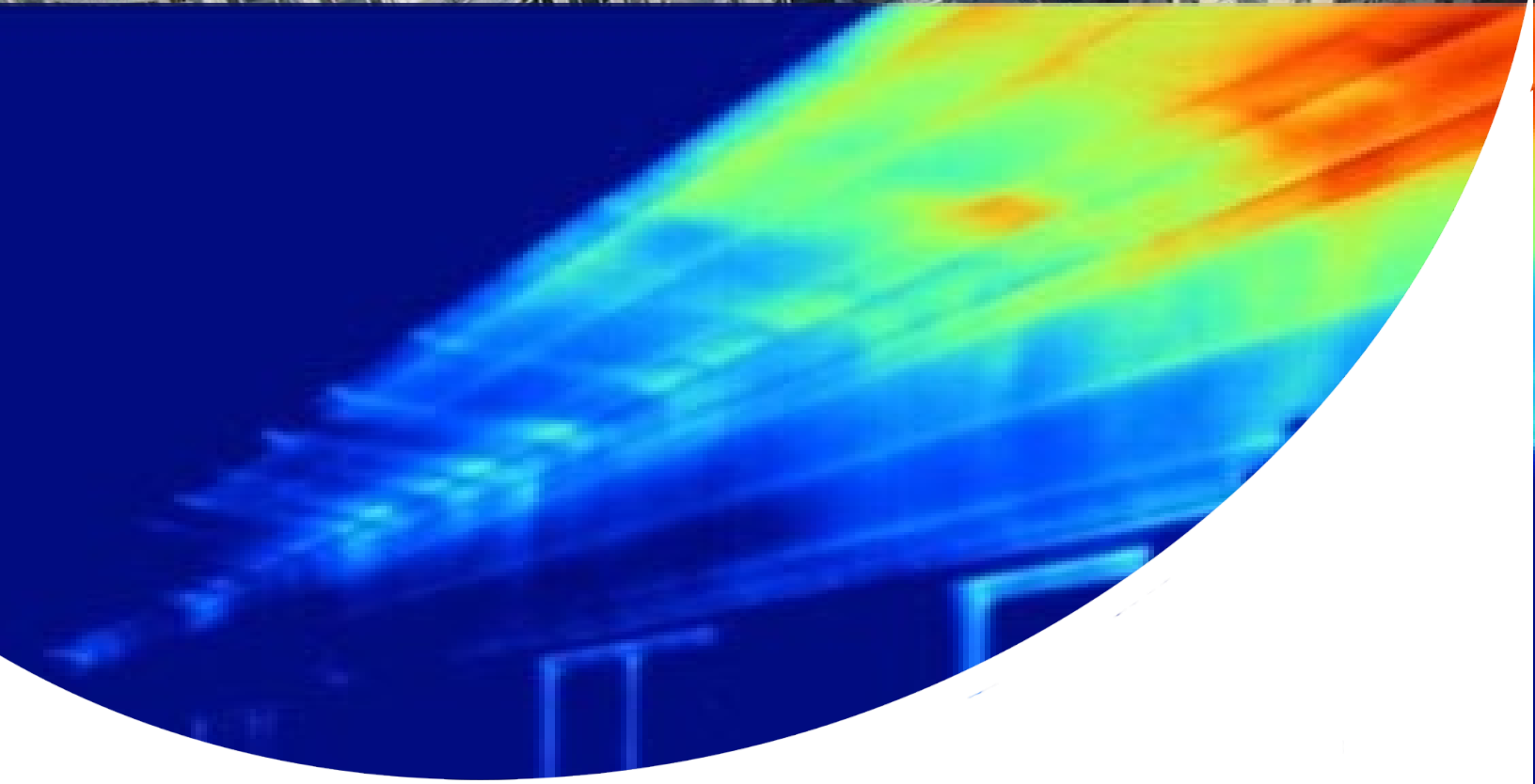
Considering of COVID-19, NEBB has taken several proactive steps to help ensure the health and safety of our attendees and instructors. Precautions such as constant sanitization of the seminar area, increased attention to high-touch areas in the rooms, limits on the number of attendees during the seminar, and protective gear for our instructors are in place. NEBB follows local county recommendations that could be found here:

<https://montgomerycountymd.gov/covid19/>

Responsibilities for Each Attendee:

- 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.”
- Masks are required during the seminar and gloves can be worn if desired.
- 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.





Seminar Instructors:



Phil Emory

Chairman of NEBB’s BET Committee, Phil Emory is a graduate of Montana State University in Mechanical Engineering and is the Senior Project Manager for Neudorfer Engineers. He has been involved in the Washington State Engineering and Construction industry since 1985. His experience includes Mechanical Design, Mechanical Construction, Test & Balance, Air Barrier Testing and is a ASTN Level II Thermographer. Phil has tested over 300 buildings with over eight million squarefeet of envelope. He served on the ABBA Whole Building Tightness Committee and is co-author of the *NEBB BET Procedural Standard*.





About This Seminar:

Building Enclosure Testing (BET) is an important and growing field in our industry. It addresses a distinct need within the building and construction industry - the ability to test and quantitatively and qualitatively report the performance of the airtightness of today's building enclosures.

BET is a process involving evaluation, verification, and documentation that a building's design and construction meet defined performance expectations. In addition to fewer water leakage/mold issues for both new construction and renovation projects, BET results in better building energy performance through improved thermal performance and decreased air leakage issues.

Learning Objectives

This three-day seminar provides Attendees with an overview of building enclosure testing concepts including:

- Discussions of air barrier enclosures from design to material selection and installation.
- Review of various testing methods and procedures currently specified and their correct application.
- Basic operation of the blower door equipment, respective applications, and features will be presented.
- How to analyze and troubleshoot enclosure test issues.
- Troubleshooting air barrier leakage issues and problem resolution focusing on the use of thermal imaging





Seminar Schedule:

If you are interested in certification and/or taking the exams, please contact certification@nebb.org

Monday, July 10, 2023

(7.25 CECs)

- 7:30 am – 7:45 am: Registration
7:45 am – 8:00 am: Welcome, Announcements, Housekeeping
8:00 am – 5:00 pm: Instruction

(Lunch will be provided)

Tuesday, July 11, 2023

(7.25 CECs)

- 8:00 am – 5:00 pm: Differential Pressures, Airflows and Safety Documentation

(Lunch Provided)

Wednesday, July 12, 2023

(7.25 CECs)

- 8:00 am – 5:00 pm: Hands-on Training – Various Testing Methods

(Lunch Provided)

Thursday, July 13, 2023

- Optional Exam Day
Registration starts at 7:30 am



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 reservations directly with the hotel of their choice. Below is a short list of hotels near 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 Rockville, MD

14975 Shady Grove Rd
Rockville, MD 20850
240-507-1900

[Booking Link](#)

Airport:

Three airports service the Maryland/Washington Metropolitan area:

Ronald Reagan Washington National Airport (DCA):

30 miles from facility; 37 minutes average drive time.
\$80 average taxi fare.

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

Baltimore/Washington International Airport (BWI):

40 miles from facility; 44 minutes average drive time.
\$100 average taxi fare.

Important Dates and Times:

Arrival in Gaithersburg, MD

Sunday, July 09, 2023

Seminar Dates:

Monday-Wednesday, July 10-12, 2023

Optional BET CP Paper-based Exam

Thursday, July 13, 2023

Seminar Location:

NEBB TEC

8575 Grovemont Circle
Gaithersburg, MD 20877



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NEBB JULY BET SEMINAR REGISTRATION FORM

Registration form and payment must reach the NEBB office on or before June 10, 2023.

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

Three ways to register:

1. Online through the [Certelligence Portal](#)
2. Email this form to training@nebb.org, or
3. Mail this form to: NEBB, 8575 Grovemont Circle, Gaithersburg, MD 20877.

Name: _____

Date: _____

Company: _____

Address: _____

City, State, Zip: _____

Phone/Cell: _____

Email: _____

Please list any dietary restrictions and or ADA accommodations:

Seminar Fees (Check all that apply)

- \$1,200 Seminar Registration Fee
(Does not include candidacy application or exam fees)

Publication Fees

- \$95 NEBB/ \$125 Non-NEBB: NEBB Procedural Standard for Building Enclosure Testing

(Please indicate preference: hard copy or electronic)

**Prices for publications do not include shipping and handling*

Optional Exam Opportunity:

Please check the box below. If interested, please email certification@nebb.org for the candidacy application process. Pre-approval and payment are required before the deadline.

- Yes, interested in taking the exam
- No, not interested in taking the exam

Payment Method

- Check enclosed made payable to NEBB
- Visa MasterCard American Express

Name on Card _____

CC Number _____

Expiration Date _____

Security Code _____

Signature _____

\$ _____ **Total Amount Due**

Note: Any candidacy or exam fees will be invoiced separately.

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.





Recommended Publications:

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

- *ASTM Standard E 779-10
- * ASTM E 1186-03
- *ASTM Standard E 1827-11
- ASHRAE Standard 90.1-2016
- NEBB Procedural Standard for Building Enclosure Testing – 2015
- NEBB TAB Manual for Technicians, 2020
- **USACE Air Leakage Test Protocol for Building Envelopes, Version 3

**The ASTM Standards can be purchased directly from ASTM (American Society of Testing Methods).*

***The USACE Protocol is a free download PDF that can be obtained by searching the name of the document and downloading it from the Corp of Engineers website.*

The instructor assumes that all attendees have a thorough working knowledge of the requirements of these NEBB publications prior to attending the seminar. Publications can be purchased online at www.nebb.org.

Important Reminders:

1. Registrations will be filled on a “first come-first served” basis.
2. Seminar fees include course instruction, lunch, am/pm breaks provided Monday – Tuesday
3. **Seminar fees do not include anything pertaining to certification. For information on certification or exams, please contact certification@nebb.org.**



Questions About This Seminar?

Call 301-977-3698 or email training@nebb.org