

# Online AERMOD Training

Gaussian Plume Air Dispersion Model

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# Course Agenda

## Two-Day Online Training

### DAY 1

8:30am - 5:00pm

#### Morning

- Introduction
- Physics of Air Dispersion
  - Turbulence
  - Meteorology
  - Receptors
  - Topography
  - Plume Rise
  - Building Downwash
  - Deposition
- Hands-on Meteorological Data Processing
- Refined Model Introduction. Overview and Data Input for AERMOD and BPIP models

#### Afternoon

- Coordinate Systems and Maps
- Hands-on BPIP and AERMOD
- Terrain Processing
- Hands-on AERMAP
- Analyzing Results
- Understanding PUFF and Plume models

### DAY 2

8:30am - 5:00pm

#### Morning

- 1st Day Review
- Atmospheric Physics - Planetary Boundary Layer Theory and Turbulence
- Special Topics
  - Coastal and Valley Issues
  - Flares
  - Odor
  - Roads
  - Storage Tanks
- Air Dispersion Modeling Challenges

#### Afternoon

- Detailed Case Studies
- Multi-Chemical Runs
- Wet and Dry Deposition
- Discussions and Future Topics

# Theory & Hands-On

## Lakes Environmental Online Training Approach



**“REAL EXPERTISE, AND IT SHOWS!” -D.D. MADRID, SPAIN**

**“It was a great class! It had the perfect mix of lecture and hands-on”**

B.H. - Carson City, Nevada

**“Very well structured, with applicable theories and hands on training for practice”**

W.J. - Toronto, Ontario

### The Best Way to Learn New Software

Since 1998, Lakes Environmental has offered in-person training in air dispersion modeling worldwide. Our popular classes emphasize the importance of AERMOD’s theoretical and regulatory application, as well as practical hands-on exercises designed to reinforce theory and real-world application.

Building on the immense success of our in-person courses, we are now offering our leading AERMOD course online. This means that attendees receive the same hands-on course experience and individual attention from our expert senior instructors all from the convenience and safety of

their home or office. Every attendee is provided access to our AERMOD View software throughout the course to ensure they have all the necessary tools and information required to complete training and carry out their own AERMOD modeling projects.

Well structured classes, expert senior instructors, small virtual class sizes, extensive course materials, and personal software access for the duration of the course; it’s no wonder Lakes Environmental continues to be the most internationally recognized provider of AERMOD modeling training.

# Course Materials

Included in Your Training Registration



## Course Tools

Lakes Environmental equips you with the necessary materials for your future endeavors with AERMOD modeling. We supply you with online access to the course presentation, software to use throughout the duration of the course, and electronic course notes that take you step-by-step through modeling procedures.

Note: Course attendees are not permitted to share, record, or distribute the course presentation (whether live or streamed content) in any format.

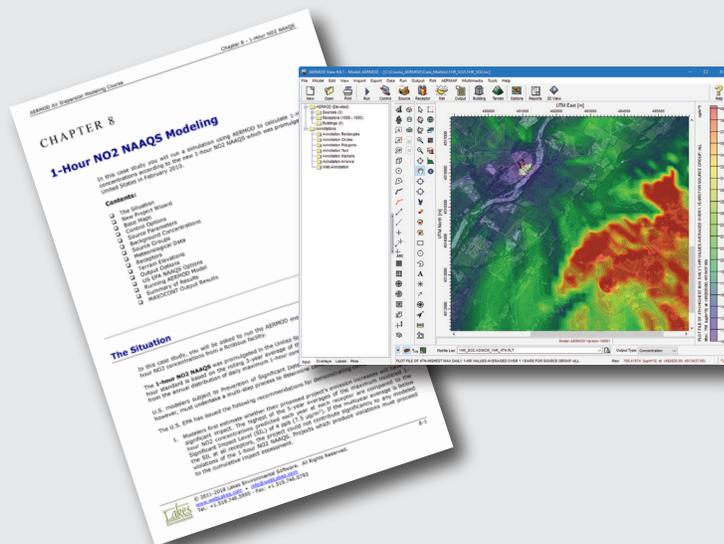
# AERMOD View

## Gaussian Plume Air Dispersion Model

AERMOD View is a complete and powerful air dispersion modeling package for the U.S. EPA AERMOD model. This model is used extensively to assess pollution concentration and deposition from a wide variety of sources.

The AMS/EPA Regulatory Model (AERMOD) is the next generation air dispersion model based on planetary boundary layer theory.

AERMOD fully incorporates the PRIME building downwash algorithms, advanced depositional parameters, local terrain effects, and advanced meteorological turbulence calculations.



**10% Off  
AERMOD View**

Purchase a copy of AERMOD View within 60 days of attending the Online AERMOD Training Course and receive a 10% discount!

**Purchase AERMOD View Now!**

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[www.webLakes.com/buy](http://www.webLakes.com/buy)