



Online AERMOD Training

Gaussian Plume Air Dispersion Model

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Course Agenda

Two-Day Online Training

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DAY 1

8:30am - 5:00pm

DAY 2

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

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

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**“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.

info@webLakes.com | www.webLakes.com

Course Materials

Included in Your Training Registration

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Software



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.

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AERMOD View

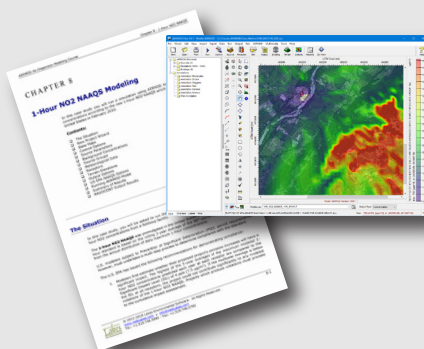
Gaussian Plume Air Dispersion Model

Lakes
Software

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.



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