

"Training tools for an increasingly complex and dangerous job"



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# AIR MONITORING

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## About atmospheric monitoring

Air monitoring helps the emergency responder verify what chemicals and dangers are involved, and helps the incident commander assess potential effects on the community and the environment. It also helps in determining what health and safety precautions the emergency responder should take.

Both OSHA and NFPA have established standards that require hazmat technicians to be able to operate monitoring equipment, interpret readings and carry out field maintenance, testing and calibration checks.

## About the program

*Air Monitoring*, a two-tape program which studies monitoring instruments and sampling procedures used in emergency response, is designed to provide training to emergency responders who carry out atmospheric sampling activities when a hazardous materials incident occurs. This program was created with the assistance of major instrument manufacturers.

Part One, "Contamination Assessment," describes the different types of contaminated atmospheres and explains the associated risks and hazards of each. This film takes an objective look at the instruments used by emergency responders and explains the difference between direct reading instruments, which sample and analyze on-site, and air sampling, in which contaminants are collected at the site and analyzed in a lab. The various factors which can

affect instrument readings are explained.

Monitoring priorities for the incident commander are outlined. Other topics covered include respiratory protection, protective clothing, fenceline monitoring, instrument failure, decontamination of personnel and instruments, and the special problems associated with confined spaces. (18 minutes)

Part Two of *Air Monitoring* is entitled "Direct Reading Instruments." This program takes a closer look at the primary air monitoring devices, telling the purpose of each and showing how they work, how to interpret readings, and how to avoid common problems. The instruments covered include combustible gas indicators, oxygen meters, detector (colorimetric) tubes, survey instruments (PIDs and FIDs), radiation monitors, combination meters, and toxic gas detectors.

"Direct Reading Instruments" discusses calibration of instruments, reference gases, and how to use a response curve to read meters. It explains how to get accurate readings, and how an oxygen deficient or oxygen enriched atmosphere and other factors will affect results. This film also tells how each instrument must be maintained, and how to avoid damage. (28 minutes.)

Purchase of the series includes *Hazardous Air Monitoring & Detection Devices* by Chris Hawley, a 134-page text.

## About the technical committee

Emergency Film Group programs are created with the assistance of leaders in emergency response training. Technical committee members for *Air Monitoring* include the following authorities:

**Carol Maslansky**, Ph.D., board-certified toxicologist & a principal of GeoEnvironmental Consultants, Inc. She is responsible for health, safety and air monitoring at hazmat site investigations.

**Steve Maslansky**, principal partner in

**Prices for Air Monitoring**  
(Includes 2 videos or DVDs plus text)  
**Series Purchase: VHS-\$545 DVD-\$545**  
**10-day rental - \$195**  
**5-day preview (for evaluation only) - \$30**  
**Available separately:**  
**VHS-\$325/ea. DVD-\$325/ea.**  
**Rental-\$150/ea. Preview-\$20/ea.**

See purchase, rental & preview information/terms at <http://www.efilmgroup.com/terms.html>.  
All prices in US currency. Shipping & handling extra unless order is prepaid (US only)

GeoEnvironmental Consultants, Inc. He has over 30 years experience in emergency issues, investigation and remediation related to hazardous waste and hazardous materials issues. He conducts training worldwide for the government, fire departments and industry and is a member of FEMA/DOT hazmat curriculum committees.

**Greg Noll**, principal in the hazardous materials consulting firm Hildebrand & Noll Associates and a member of the NFPA Technical Committee on Hazardous Materials Response. He is co-author of the widely read text "*Hazardous Materials: Managing the Incident.*"

**Frank Docimo**, president of Docimo & Associates, a consulting firm that specializes in training emergency responders in counterterrorism, EMS and HazMat issues. He is co-chairperson of Connecticut's Hazardous Materials Awareness Committee. Frank is a well known lecturer and trains industrial clients as well as local, state & federal agencies.

**Chris Hawley**, retired Fire Specialist with the Baltimore County Fire Department. Currently he is the owner of FBN Training & Consulting, providing emergency response training worldwide. He is an adjunct instructor to the National Fire Academy and is the author of several texts on emergency response issues including *Hazardous Air Monitoring & Detection Devices*.

## About the filmmakers

**Gordon Massingham**, director. Principal creative person behind some 150 emergency response training films and videos, which have garnered 130 awards in national and international competition. More than 100,000 copies of these programs train emergency responders around the world.

## About the Emergency Film Group

Emergency Film Group, a division of the Detrick Lawrence Corp., was established to distribute quality training films for emergency response and right to know education. Firmly committed to accuracy, EFG uses the best qualified advisors and production crews to ensure that programs are not only exciting to watch, but are also accurate in every detail.

EFG's worldwide list of customers range from the largest petrochemical companies, to government agencies, to small town fire departments. Every film comes with EFG's 30-day money-back guarantee if the customer is not satisfied.

Program descriptions available on-line at <http://www.efilmgroup.com>

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