



**A Volume From the Library**



**Hazardous Materials Technician Training Resources**

**October 14, 2013**

If you hold a hazardous materials technician certification, eight additional hours of hazardous materials technician level are required each year.

Training that is considered hazardous materials technician level is above hazardous materials and operations.

Technicians must have a solid understanding of basic chemical and toxicological behavior because they will be required to actually stop the spread of hazardous substances. This would include performing advanced control and containment operations while wearing proper personal protective clothing (PPE). Ultimately, technicians must effectively apply decontamination and termination procedures.

We have listed some videos below that would be considered hazardous materials technician level training and could count towards the additional eight hour continuing requirement

Since there is not a "certificate of completion" produced at the end of these videos, a commission certified instructor will have to verify and document the date and time that you view the training videos in order for it to be counted towards the continuing education requirement.

These videos range from 20-45 minutes in length so more than one video would be required to attain the additional eight hours of training.

**[HAZCHEM 6: SODIUM HYDROXIDE AND POTASSIUM HYDROXIDE](#)**

AV11-2506 Date Acquired: 7/29/2011 Length: 25:00 Format: DVD Author: EMERGENCY FILM GROUP

This is disc 6 of an 11 disc series. Caustics are strong alkaline chemicals, corrosive to many materials including human tissue. Sodium hydroxide (NaOH) and potassium hydroxide (KOH) are the two most important caustics used in industry. These caustics have also been used in the illegal manufacture of homemade bottle bombs. This safety program includes updated information about containers and protective clothing used when using caustics or responding to incidents where they are involved. There is new information about cleaning up dry spills and on the use of acetic acid and muriatic acid in neutralization operations. Topics covered: The relevance of pH; Containers used with caustics; Protective clothing and equipment; Protecting water supplies from spills; Flammability and reactivity properties of caustics; Preventing explosions; Neutralization operations; Hydrogen gas formation; Offensive vs. defensive operations for fires; Selecting extinguishing agents for fires; Decontamination; Much more! Includes 29-minute DVD plus separate Instructor's CD-Rom with PowerPoint and other resource materials. (c2011) View a short video sample online at <http://www.efilmgroup.com/HazMat-Hazwoper/Sodium-Hydroxide-and-Potassium-Hydroxide-Video.html>

**[HAZCHEM 8: HYDROGEN SULFIDE](#)**

AV12-2589 Date Acquired: 4/24/2012 Length: 28:00 Format: DVD Author: EMERGENCY FILM GROUP

This is disc 8 of an 11 disc series. Valuable training for petroleum and other industrial personnel who may encounter hydrogen sulfide in their work, as well as for emergency responders. Topics covered: Hazard properties of hydrogen sulfide; Recommended protective clothing; Symptoms of exposure; Offensive versus defensive strategies in fire situations; Monitoring equipment and methods; Ventilation operations. (c2002) copy 2. View a short video sample online at <http://www.efilmgroup.com/HazMat-Hazwoper/Hydrogen-Sulfide-Video.html>

**[HAZMAT RESPONSE: HAZARDOUS MATERIAL PROTECTION AND DECONTAMINATION](#)**

AV13-2598 Date Acquired: 10/1/2013 Length: 21:32 Format: DVD Author: ACTION TRAINING

This is one of seven video set about hazmat response This video explains how to select appropriate respirator equipment and protective clothing. It show emergency decontamination and mass decontamination techniques. It also includes watching for signs of terrorism. C2005

**[RADIOLOGICAL MONITORING, PART 1](#)**

AV08-2252 Date Acquired: 4/28/2008 Length: 30:00 Format: DVD Author: FETN

This FETN program from the Department of Energy teaches some of the basics that first responders to accidents need to know in dealing with radiological safety. This program will define the terminology used to label, list, identify, and communicate radioactive material types and quantity. It will explain the support that radiation response teams can provide with their radiation detection equipment, and will identify the hazards of the different types of radiation and the methods of exposure and contamination control. (c.2000)

**[RADIOLOGICAL MONITORING, PART 2: PUTTING RAM TRANSPORTATION INTO PERSPECTIVE](#)**

AV08-2257 Date Acquired: 5/27/2008 Length: 30:00 Format: DVD Author: FETN

This FETN program from the Department of Energy contains information on radioactive materials that is applicable for all EMS and fire/rescue responders. This program will identify four common types of radiation, define common radiological terms, explain the hazards associated with different types of radiation, explain the different types of ionizing radiation and their associated hazards, and identify the steps to maximize safety and effectiveness in a transportation incident. The section of the program on transportation issues will look at shipment quantity and safety, international regulation and the three key principles applicable to safe radiological material transportation. (c.2001)

**[RADIOLOGICAL MONITORING, PART 3: RESPONDING TO A RAM TRANSPORTATION INCIDENT](#)**

AV08-2275 Date Acquired: 6/24/2008 Length: 30:00 Format: DVD Author: FETN

This FETN program from the Department of Energy covers points first responders must consider when arriving on the scene of an incident involving radiological materials. Steps to follow include identifying the hazards, assessing the situation, notifying authorities, assisting victims, providing follow-up notification, and securing the incident scene. The program also covers the need for proper PPE and the importance of preplanning activities to discover radiological materials in the responder's jurisdiction before an incident occurs. A study guide accompanies the DVD. (c. 2001)

**[RADIOLOGICAL MONITORING, PART 4: MEASURING INSTRUMENTS](#)**

AV08-2283 Date Acquired: 8/5/2008 Length: 30:00 Format: DVD Author: FETN

This FETN program from the Department of Energy covers the instruments used to measure radiation. The program discusses basic operations of HazMat Awareness and Operations level personnel upon arrival at an incident with a possible radioactive release, defines the limitations of first responders at the incident and the limitations of the equipment involved. It defines common terms used with radiological monitoring, discusses proper PPE, demonstrates proper techniques for radiation monitoring, and reviews the major components of the Ludlum 14-C and CD-770 radiating monitors. A study guide accompanies the DVD. (2000)

For assistance in choosing training materials, or to make recommendations for additions to the library, please contact the commission librarian at (512) 936-3833, via e-mail at [library@tcfp.texas.gov](mailto:library@tcfp.texas.gov) or visit the [Emerson Library](#) at the commission's headquarters facility during regular business hours.



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