**The International Safety and Health Specialists**

**Respirator Fit Testing Workshop**

**Train-the-Trainer**

**Course Description:**



The Occupational Safety and Health Administration (OSHA) requires annual fit-testing for most respirators. The proper fit-testing of respirators is one be the most important elements of your respitaory protection program. Fit-testers must be able to apply understand the logic and theory behind Fit-Testing. Because fit-testing can appear to be routine and repetitive, it is inportant that Fit-Testing is done correctly.



Although OSHA does not have a certification requirement for fit tester training, it requires that the fit-tester be familiar with 29 CFR 1910.134 and the two acceptable fit test methods as well as the limitations of the models of respirators being tested:

**American National Standard Respirator Fit Testing Methods – ANSI Z88.10-2010**

**ANSI Z88.10-Annex A1: Evaluation for Fit Test Operators**

**Are Your Fit Tester Capable of:**

* + 1. **Demonstrates knowledge of respirators to be fit tested:**
* **Respirator components and their function.**
* **Respirator inspection, cleaning, and maintenance.**
* **Different make, model, style, & size respirators.**
* **Respirator capabilities and limitations as related to respirator fit testing.**
* **Proper donning and doffing procedures including user seal checks.**
	+ 1. **Demonstrates knowledge of the fit test method:**
* **Purpose of respirator fit testing.**
* **Fit test procedures.**
* **Limitations of the fit testing methods.**
* **Questionable fit test results.**
* **Health and safety hazards associated with the chemicals and equipment used In the fit test.**
	+ 1. **Demonstrates ability to set up fit test equipment:**
* **Selection of proper cartridges or filters for the fit test method.**
* **Preparation of required equipment and materials.**
* **Performance of operational checks.**
* **Proper installation of probes or fit test adapters used in quantitative fit test methods.**
	+ 1. **Demonstrates the ability to conduct the respirator fit test:**
* **When to refuse to conduct a fit test.**
* **Explanation of fit test purpose and procedures to person being fit tested.**
* **Observation and evaluation of unassisted donning procedure.**
* **Observation that user seal checks are performed according to manufacturer's recommended procedures.**
* **Observes the person being fit tested throughout the entire fit test procedure to ensure fit test is conducted correctly.**
* **Conducts the fit test method according to ANSI 288.10.**
* **Properly interprets and records results.**
* **Performs respirator cleaning, sanitizing, or disposal.**
	+ 1. **Identifies likely causes of fit test failure.**

**Program Topics:**

The OSHA Respiratory Protection Standard, Appendix A, Appendix B-2 Mandatory, How to Inspect Respirators Prior to Fit Testing, General Fit Testing Comments and Procedures, Donning/Doffing procedures, Fitting Tips, Strap Adjustment, User Seal Checks, Saccharin & Bitrex, Qualitative and Quantitative Fit Test Fit Testing Procedures & Demonstration, Inspection Procedures Workshop, , General Principles, Pass/Fail Criteria, Installing Fit Test Adapters, Calculating Pass/Fail criteria for fit testing, Improving Testing Techniques, Interpretation of Test Results, Common Testing Mistakes Pitfalls, False Positive and False Negative Tests, Disassembly and Assembly Special Respirator Problems and Solutions, Re-assembly & Final Inspection.

**Your Instructor: - Dennis Terpin - ASSE Hawaii Local Chapter Member - ASTM International Technical Committee F23 on Personal Protective Clothing/Equipment and Respiratory Protection (ANSI Z88-Z88.10 Committee Member.**

Dennis A. Terpin, PhD, O.H.S.T. Dr. Terpin is the Senior Industrial Hygienist/Emergency Manager for the University of Illinois at Chicago. Dr. Terpin is a Certified Master Level Instructor for FEMA/Department of Homeland Security teaching at the Center for Domestic Preparedness (CDP) CORBRA live agent training center specializing in respiratory protection. Dennis has over 48 years of experience in the Occupational Safety and Health, Laboratory Safety and Emergency Management fields.

This summer Dr. Terpin will be presenting Technical Session and Professional Development Sessions on Respiratory Protection at the National Conferences of the American Society of Safety Engineers (ASSE), The Campus Safety, Health, and Environmental Management Association (CSHEMA) and College & University Hazardous Material Management Conference (CUHMMC) annual conferences.

Dr. Terpin has provided safety training to organizations such as the FEMA/DHS, Ford Motor Company (3 Counties), General Dynamics, United States Navy, United States Army, United States Air Force, Amoco, BP, Exxon, General Dynamics, Motorola, Google, GlaxoSmithKline, University of Hawaii, Lawson Safety, Pineridge Farms Inc., Hawaii Electric, Abhe & Svoboda Inc. Grace Pacific, KING & NEEL, Kamehameha Schools, MIT, Georgetown University, Virginia Tech. University of Colorado- Anschutz Medical Campus, University of Tennessee Health Science Center, Penn State University, Saint Luke's College of Health Sciences, Virginia Commonwealth University, Kamehameha Schools, Georgia Institute of Technology, Kent State University Geauga Campus, University of Washington Tacoma Campus, Bemidji State University, Dartmouth College, National Institute of Standards and Technology, University of Central Florida, University of Illinois at Chicago, Northern Illinois University, University of Toronto Scarborough, Massachusetts Institute of Technology, Ecology Services, Inc., University of Hawaii, Whitman College, Brigham Young University, Loma Linda University, Texas A & M University - Corpus Christi, Université de Montréal, Oklahoma State, University of Houston*-*Downtown, Western Washington University, Washington State University Tri-Cities, Heritage University, Community Colleges of Spokane, Central Washington University, Seattle University, Columbia Basin College, University of Idaho, Washington State University, Eastern Washington University, Walla Walla University, The National Safety Council, OSHA Training Institute, and governmental agencies throughout the United States and 10 counties.

**Location:** [**Construction Training Center of the Pacific - Waipahi's Mill Town Center**](http://safety1hawaii.com/venues/construction-training-center-of-the-pacific-waipahis-mill-town-center/) **94-487 Akoki Street, Waipahu, HI, Hawaii, 96797**

**Date:** **February 20, 2018**

**Time: 8:00am to 4:00pm – Workbook, Lunch and breaks included**

**Cost: $ 159.00, 01/8 to 01/26, 2018 - $169.00 01/27 to 02/09 – $ 189.00 after February 9, 2018**

**Register at Safety1Hawaii.com - Information: Dennis Terpin – 630-699-7171,** **Ua446@aol.com**