

OSHA Compliance for Temporary Labor Agencies and Host Employers

Session 4: Heat Illness Prevention Planning (0.5-1.0 hours)

Lesson Plan

Overview

The purpose of this session is to provide stakeholders with basic tools and awareness level training focused on the recognition, evaluation and control of heat-related illnesses in the workplace. It is assumed that stakeholders are responsible for the safety of their employees (temporary or otherwise) on the job. This training reviews heat related fatalities suffered by temporary employees, OSHA enforcement, heat illness terminology, first aid measures, and control and prevention strategies. The lesson stresses the integration of heat illness prevention planning into the overall safety and health management system and emergency action and preparedness plan.

The resource document entitled *A Guide for Employers to Carry out Heat Safety Training for Workers* could be provided as an additional handout. This document will help supervisors with worker training they conduct as part of the job site safety and health program. Become familiar with the *Water, Rest, and Shade* OSHA document.

The “Notes Section” of the slides has additional information to be used by the Trainer. The fatality assessment and control evaluations (FACE reports; slides 29-32) **are optional**. The resource documents listed in the last section of the lesson plan should be carefully reviewed by the trainer and used as applicable.

Lesson Objectives

Upon completion of this topic participants will be able to:

1. Explain the severity of heat related illnesses and fatalities
2. Implement OSHA’s guidelines on Heat Stress Prevention
3. Describe the risk factors for heat-related illness.
4. Recognize the different types of heat-related illnesses, including common signs and symptoms and basic first aid procedures
5. Implement common control practices and methods to reduce the risk of heat related worker illnesses and injuries.
6. Explain the importance of acclimatization, how it is developed, and how your worksite procedures address it.
7. Respond to possible heat-related illnesses.

Training Resources

- a. PowerPoint Presentation with instructor notes
- b. LCD Projector, Screen (if needed), Computer, Speakers, and/or flip chart/white board
- c. OSHA's *Guide for Employers To Carry Out Heat Safety Training for Workers*
- d. Internet Access (to browse Web sites) (if available)

Activities and Classroom Procedures

1. Training Techniques
 - a. Lecture: Present materials on PowerPoint slides
 - b. Browse Web sites
 - c. Directed discussion: student involvement with different management systems
 - d. The fatality assessment and control evaluations (FACE reports; slides 29-32) **(optional)**

Lesson Roadmap

1. The Importance of Heat Stress Illness and Fatality Prevention in Industry
 - a. Slides to be used: 1-8
 - b. Objectives covered: 1
 - c. Exercise/demos: Video Clip Example Slide 8
 - d. Training aids: Video clip
2. OSHA Enforcement
 - a. Slides to be used: 9-11
 - b. Objectives covered: 2
 - c. Exercise/demos: None
 - d. Training aids: None
3. Recognition of Risk Factors Associated with Heat Related Illnesses
 - a. Slides to be used: 12-15
 - b. Objectives covered: 3,4
 - c. Exercise/demos: None
 - d. Training aids: None
4. Prevention and Control of Heat Related Illnesses
 - a. Slides to be used: 16-22
 - b. Objectives covered: 5
 - c. Exercise/demos: None
 - d. Training aids: None

5. Measurement and Evaluation of Heat Stress
 - a. Slides to be used: 23-27
 - b. Objectives covered: 6
 - c. Exercise/demos: Task Analysis Exercise: What is important to include in the JSA from a heat stress control standpoint
 - d. Training aids: Facilitated discussion.

6. Fatality Assessment and Control Evaluation Case Study (Optional)
 - a. Slides to be used: 29-32
 - b. Objectives covered: all
 - c. Exercise/demos: Heat Stress Fatality Case Reports
 - d. Training aids: Facilitated discussion of case study slides

Evaluation and Assessment

- a. Interactive conversations
- b. Quiz from Slide 3 Before and After

Resources/Web Sites

- *A Guide for Employers to Carry out Heat Safety Training for Workers*
 - http://www.osha.gov/SLTC/heatillness/osha_heattraining_guide_0411.pdf
- Water, Rest, and Shade: The Work can't get done without them
 - <http://www.osha.gov/SLTC/heatillness/index.html>
- OSHA's Web site: Occupational Heat Exposure
 - <https://www.osha.gov/SLTC/heatstress/>