

General Electrical Safety and Hazard Recognition Out Line of Training

This material was produced under grant number SH-31231-SH7 from the Occupational Safety and Health Administration, U.S. Department of Labor. It does not necessarily reflect the views or policies of the U.S. Department of Labor, nor does it mention of trade names, commercial products, or organizations imply endorsement by the U.S. Government. Training materials developed with grant funds will be posted at <http://www.osha.gov/dte/library>

Section 1: Introduction of instructor and training session

Introduction of Instructor and qualifications/ welcome the group

Make sure everyone has signed the training roster for the session

- a. Have everyone introduce themselves in the room to the group and tell of their job or where they went or are going to school if they want.
- b. Ice breaker: Who in this room has been shocked by electricity? Tell us about it
- c. Does anyone know of someone that has died from a shock? Share if you are willing

Purpose of this training; It is our intention that we present to you information about electrical hazards in a way that you understand the level of risk and danger there is when working with and around electrical equipment. No one should have to work around or with dangerous electrical equipment that is unsafe because of poor installation, environmental hazards, poor maintenance, and unsafe work practices.

We want you to understand and describe the dangers of electricity and identify different types of electrical hazards. Everyone has the right to go home safe and live your life.

Section 2: Short pretest could be read by instructor to have everyone on the same questions and finish together

Section 3 : Introduction to OSHA

- a. The Occupational Safety and health Act of 1970 states” to assure safe and healthful working conditions for working men and women; by authorizing enforcement of the standards developed under the Act; by assisting and encouraging the States in their efforts to assure safe and healthful working conditions; by providing for research, information, education, and training in the field of occupational safety and health
- b. Whistle blower act; Always report a safety concern of any kind to your immediate supervisor and work with your place of employment to better the safety environment for all employees and yourself. Osha does have whistle blower rights complaint procedures if safety situation is not managed. See OSHA.gov whistle blower
https://www.osha.gov/OshDoc/data_General_Facts/whistleblower_rights.pdf

We have a whistleblower fact sheet for you to take with you if you want at the end of our session

Section 4 :Power point presentation :

General Electrical safety and Hazard Recognition

5-minute break at slide #23

End power point with summarize slide #44

Section 5:Hands on Examination of examples of Electrical hazards

bad chords, boxes, hand tools, burnt wiring,

Section 6: Posttest give plenty of time to complete test and offer to read questions if need exists

Section 7: Wrap up; Go over post-test and answer any questions about training session

Offer electrical safety handouts for those who will take them includes **Electrical Safety Quick Card, OSHA FATALFacts Farmworker Electrocutation, OSHA Fact Sheet Working with Electricity, and OSHA FACTSHEET Your Rights as a Whistleblower**

Our wish is for you to work safe, recognize hazards and tell immediate supervisors at work about hazards and take control of your own personal safety at all times whether at work or home.

Basic Electrical Training and Hazard Recognition Pretest/Post-test Class # _____

Instructor:

NAME _____ Date _____

1. Put an X by the correct answer: What does OSHA stand for:
Occupational System Helping America
Occupational Safety and Health of America
Occupational Safety and Health Administration
Outside Safety and Health Administration

2. According to the US Bureau of Labor Statistics between the years 1992 and 2006 an average of _____ employees from the U.S. died per year from electrical contact
73
154
283
16

3. What are some factors can cause an electrical accident? X all that apply

Workplaces made unsafe by the environment
Aluminum wiring
Unsafe working conditions
Unsafe equipment and installation

4. T F the general physical condition of the person being shocked has no bearing on the body

5. T F Electricity can burn tissue and organs

6. T F Age has nothing to do with electrical burn energy survival rates

7. T F Every worker has a right to have a safe working environment and the ability to report unsafe conditions in the workplace

This material was produced under grant number SH-31231-SH7 from the Occupational Safety and Health Administration, U.S. Department of Labor. It does not necessarily reflect the views or policies of the U.S. Department of Labor, nor does it mention of trade names, commercial products, or organizations imply endorsement by the U.S. Government.

Basic Electrical Training and Hazard Recognition Pretest/Post-test answer key

Instructor:

NAME _____ Date _____

1. Put an X by the correct answer: What does OSHA stand for:
Occupational System Helping America
Occupational Safety and Health of America
 Occupational Safety and Health Administration
Outside Safety and Health Administration

2. According to the US Bureau of Labor Statistics between the years 1992 and 2006 an average of _____ employees from the U.S. died per year from electrical contact
73
 154
283
16

3. What are some factors can cause an electrical accident? X all that apply
 Workplaces made unsafe by the environment
 Aluminum wiring
 Unsafe working conditions
 Unsafe equipment and installation

4. T F the general physical condition of the person being shocked has no bearing on the body

5. T F Electricity can burn tissue and organs

6. T F Age has nothing to do with electrical burn energy survival rates

7. T F Every worker has a right to have a safe working environment and the ability to report unsafe conditions in the workplace

This material was produced under grant number SH-31231-SH7 from the Occupational Safety and Health Administration, U.S. Department of Labor. It does not necessarily reflect the views or policies of the U.S. Department of Labor, nor does it mention of trade names, commercial products, or organizations imply endorsement by the U.S. Government.

Class Evaluation General Electrical safety

Harwood Grant # SH-31231-SH7

Grant Topic: Electrical Safety, Hazard Recognition and Arch Flash Safety

Activity #1 General Electrical Safety and Hazard Recognition

Course Date _____ Start Time _____ End Time _____

Course Location _____

Trainer Name (print) _____ Translator's Name _____

The course:	Yes	No	Needs improvement
Were you satisfied with the training session?	0	0	0
Would you recommend this session to a friend?	0	0	0
Was the course worth your time?	0	0	0

The Instructor:

Did the instructor have a good mastery of the subject?	0	0	0
Was the instructor well prepared for class?	0	0	0
Did Instructor meet goals and objectives of the session?	0	0	0

Please share any comments you have now that you have finished the course. Use back of sheet if necessary.

This material was produced under grant number SH-31231-SH7 from the Occupational Safety and Health Administration, U.S. Department of Labor. It does not necessarily reflect the views or policies of the U.S. Department of Labor, nor does it mention of trade names, commercial products, or organizations imply endorsement by the U.S. Government. trade names, commercial products, or organizations imply endorsement by the U.S. Government. Training materials developed with grant funds will be posted at <http://www.osha.gov/dte/library>