

Hazard Recognition in the Recycling Industry

Course Outline

This course is relevant to recyclers across all commodities who would like their employees to learn more about hazard recognition and mitigation in the operations environment. This includes how-to do a PPE hazard assessment, how-to recognize the hazards of and safely work around mobile equipment, the importance of proper PPE, and an understanding of the importance of the control of hazardous energy (LOTO), good housekeeping practices, recognizing fire hazards, and hazard communication programs.

Introduction – 1 hr

- Purpose and reason for class
- Building and logistics
- Introductions
- WiiFM...(What's in it for me – student's perspective)
- What we are going to cover in this class
- Intro quiz covering subject matter (students take quiz, then we discuss the subject matter)

OSHA & SHTG Specific Information – 30 mins

- Who is OSHA and what is their mission?
- Susan Harwood Training Grant
- Data & Statistics in 5093/423930 per BLS

Safe Operations – 3 hrs

- Mobile Equipment
 - PIVs – Forklift, Skidsteer, Wheel Loader, Golf Cart
 - Customer vehicles (drive-thru opns)
 - Blind spots and how-to act/react
 - Circle of safety equipment walk-around
 - Stacking materials
 - Walkways and signage
 - Shipping/receiving areas
 - Dock safety
 - Traffic flow/patterns
 - For people
 - For equipment
- Housekeeping
- Fire Prevention
 - Emergency Action Plan
 - Fire extinguishers
 - Hot work
- Recognize Stored Energy (electrical, hydraulic, gravity, etc.)
 - Lockout-Tagout-Tryout methods
 - What does it mean?

- Why do you do it?
- What do you use?
- Are YOU authorized – affected – other
 - Training and education
 - Shortcuts are DEADLY
- Personal Protective Equipment (PPE)
- Hazard Communication

Lunch – 30 mins

Hazard Recognition & PPE Hazard Assessments – 2 hrs

- Why it is YOUR job to recognize hazards
- How to recognize hazards for what they are
 - Dormant hazards
 - Levels of hazards
 - Mitigate hazard
 - Engineering,
 - Administrative
 - PPE
- PPE Hazard Assessment
 - Introduction of assessment sheet
 - Step-by-step thought process
 - Group Project – writing a PPE assessment (instructor assigns task from list of topics)

Closing – 1 hr

- Re-cap and Review of what was learned
 - Overview of concepts learned with Q&A time
 - Review specific information related final quiz with Q&A time
 - Hand out final test and class evaluation
 - Exchange paper for grading
 - Talk about ISRI website and course materials
 - Brief discussion on what these lessons represent and why they are important to you, your family/loved ones, and to the business you work for.
 - Class dismissed

Total class time – 7.5 hrs

Total day at facility – 8 hrs

The overall benefit to workers receiving training will be a greater awareness of hazards, how to recognize them on their job site, how to create a PPE hazard assessment, and how to prevent injury through hazard recognition.

The benefit to employers will be lower prevalence of job-related injury, thus a more productive workforce. All levels of recycling company employees are encouraged to attend.