



HAZARDS OF RECYCLING AND COMPOSTING CENTERS

KDHE Division of Environment &
Kansas Department of Labor

Why Are We Here Today

To provide **YOU** with information that will aid in developing a safety program & preventing workplace accidents



Objectives

- Identify common hazards of recycling and composting sites
- Provide information on the OSHA Four-Point Workplace Program for safety
 - Provide information on a common tool used to identify hazards before they occur
 - Provide guidance on how to determine appropriate protective measures



Objectives

- Provide information on programs sponsored through the Kansas Department of Labor
 - Safety Assistance and Consultation Program
 - Safety and Health Achievement Recognition Program (SHARP)
 - Safety and Health Awards for Public Employee's (SHAPE)



Recycling & Composting Site Incidents



Two die at a composting site cleaning out a drainage tunnel.



Entrance to drainage tunnel.

Recycling & Composting Site Incidents



Photo: Billings Gazette

One man was fatally injured when a hydraulic bed of a box truck fell on him while unloading.



Photo: Burlington, NC

Recycling & Composting Site Incidents



While manually stripping insulation from wire a man reportedly cut his hand. He fainted at the sight of his blood causing him to hit his head on a concrete surface.

Recycling & Composting Site Incidents



A worker was fatally injured at a lead acid battery recycling center, because lockout/tagout procedures were not implemented.

Recycling & Composting Site Incidents

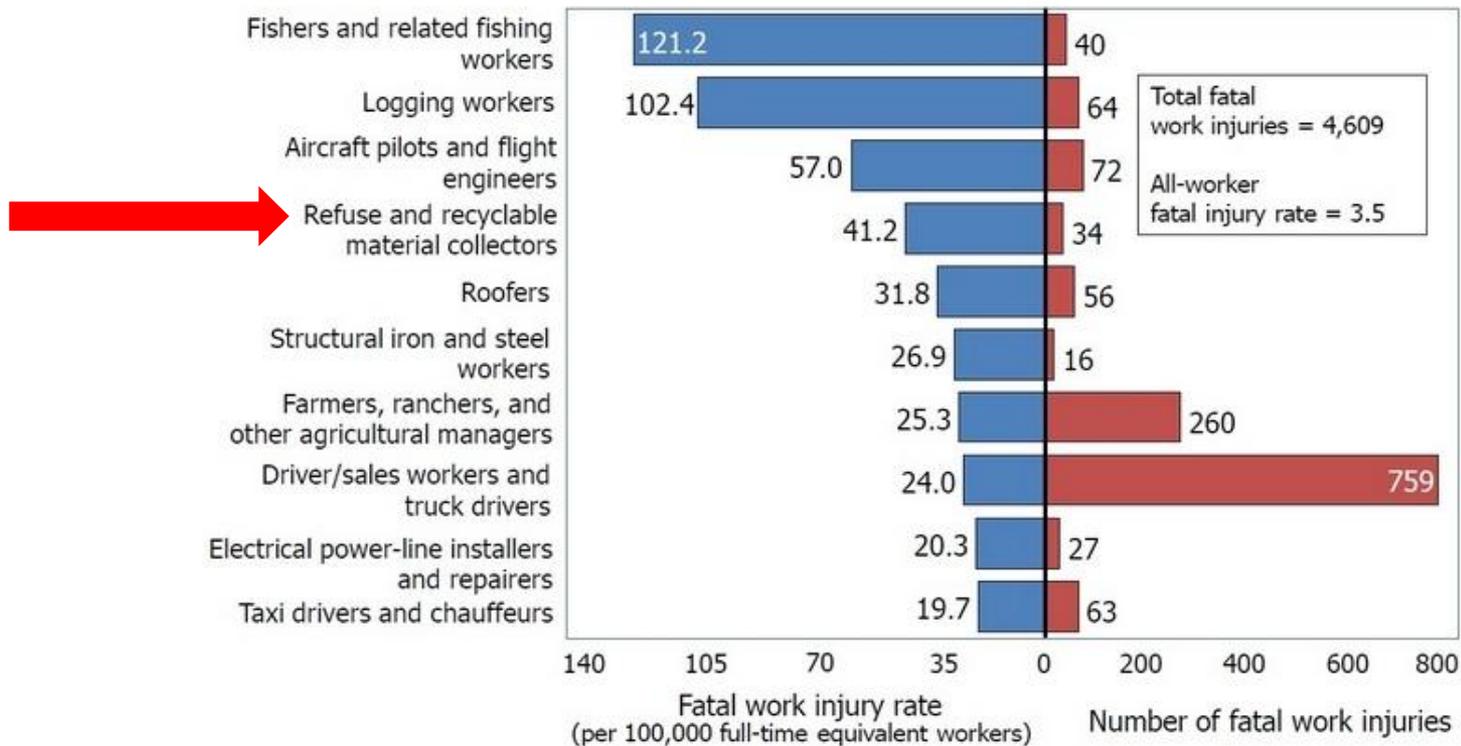


One man was fatally injured when his forklift turned over during operation.



Fatal Injuries Nationally: Refuge and Recyclable Material Collectors Rate No. 4

Chart 3. Occupations with high fatal work injury rates, 2011*



Bureau of Labor Statistics - Refuse and recyclable material collection has jumped to the fourth most dangerous job in America, according to data released Thursday by the Bureau of Labor Statistics.

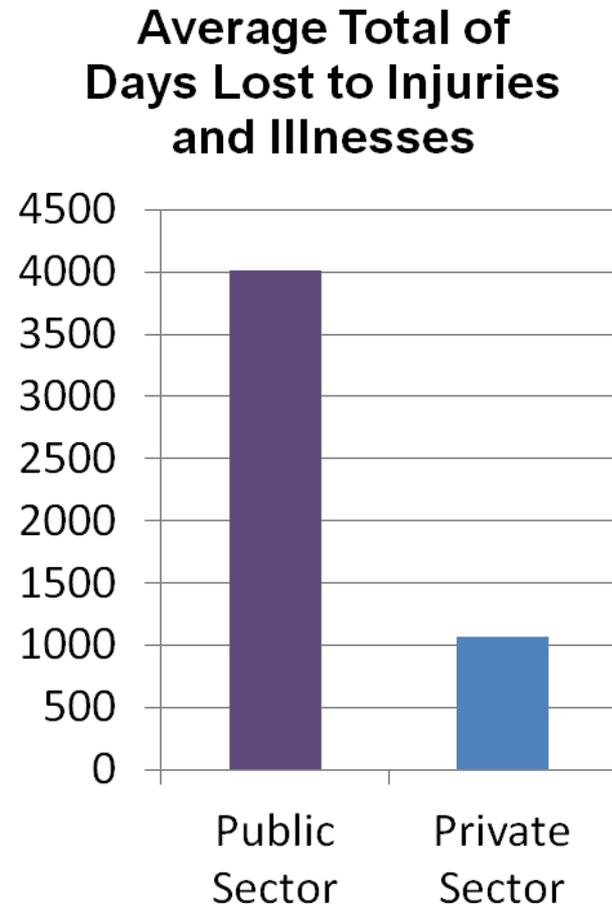
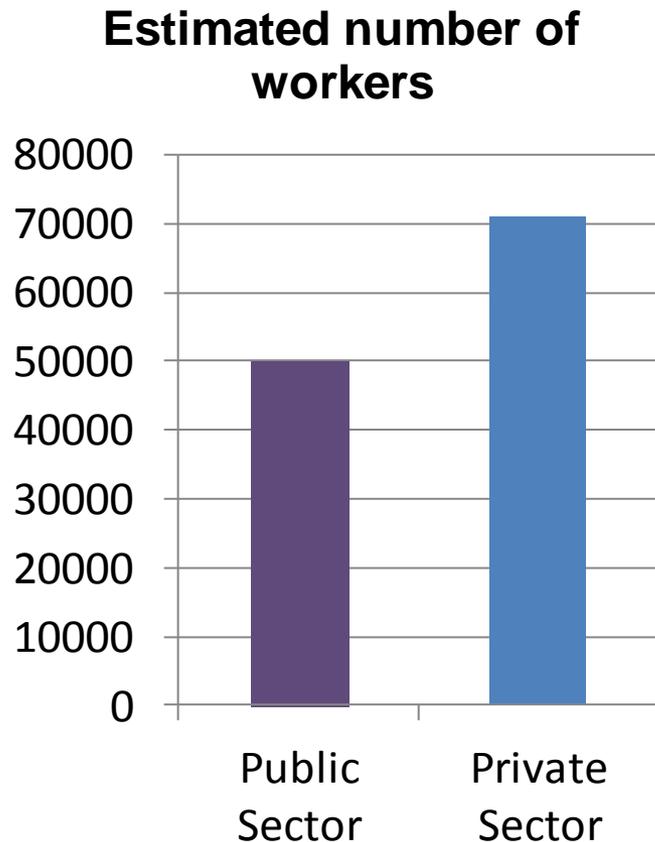
OCT 2011-SEPT 2012 KANSAS STATISTICS

- Fatal Work Injuries in Kansas 77
 - Nearly half resulted from transportation incidents
 - Transportation and material moving occupations 25
 - Heavy and tractor-trailer truck drivers 11
- Materials and Recovery Facilities
 - Total Recordable Cases 5.4
 - Days Away Work or Job Transfers 3.5



Nearly Four Times More Injuries in Public Sector

Days Lost to Injuries and Illnesses, 2008-10



Source: David Utterback, BLS Survey of Occupational Injuries and Illnesses and National Employment Matrix

Occupational Safety and Health Administration (OSHA): OCT 2011-SEPT 2012 National Statistics

- Scrap and Waste Material Facilities
- 91 facilities inspected
- 676 citations were issued
- Penalties totaled \$570,469



TOP 10 CITED STANDARDS

- Powered Industrial Trucks (1910.178)
- Hazard Communication (1910.1200)
- Respiratory Protection (1910.134)
- The Control of Hazardous Energy [lockout/tagout] (1910.305)
- Wiring Methods, Components & Equipment for General Use (1910.305)



TOP 10 CITED HAZARDS

- General Requirements for All Machines (1910.212)
- Portable Fire Extinguishers (1910.157)
- Electrical-General Requirements (1910.303)
- Abrasive Wheel Machinery (1910.215)
- Occupational Noise (1910.95)



OSHA Small Business Handbook

OSHA Four-Point Workplace Program

- Management Commitment and Employee Involvement
- Work Site Analysis
- Hazard Prevention and Control
- Training for Employees, Supervisors and Managers



OSHA Four-Point Workplace Program

- Management Commitment and Employee Involvement
 - The manager or management team leads the way, by setting policy, assigning and supporting responsibility, setting an example and involving employees.

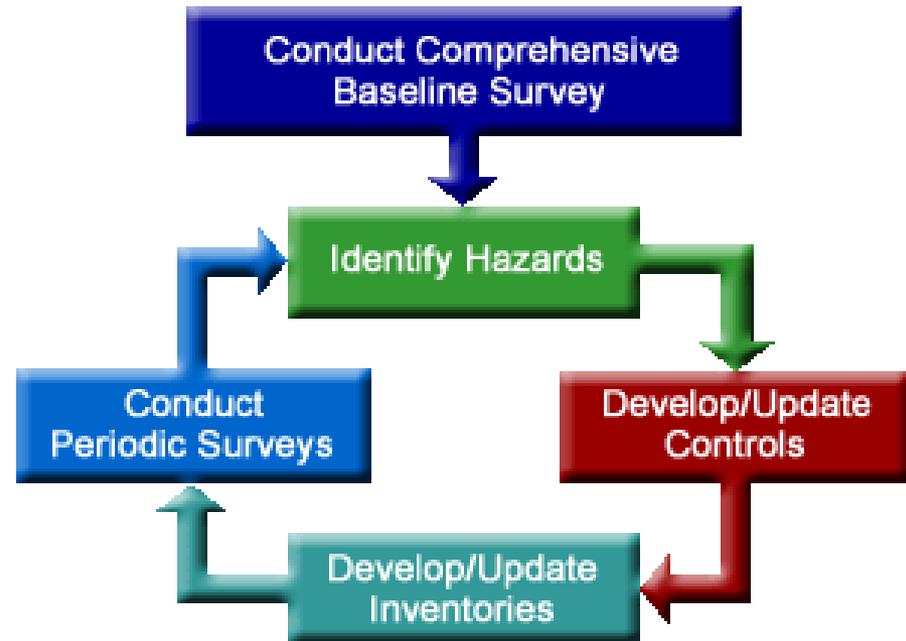


OSHA Four-Point Workplace Program

- Worksite Analysis

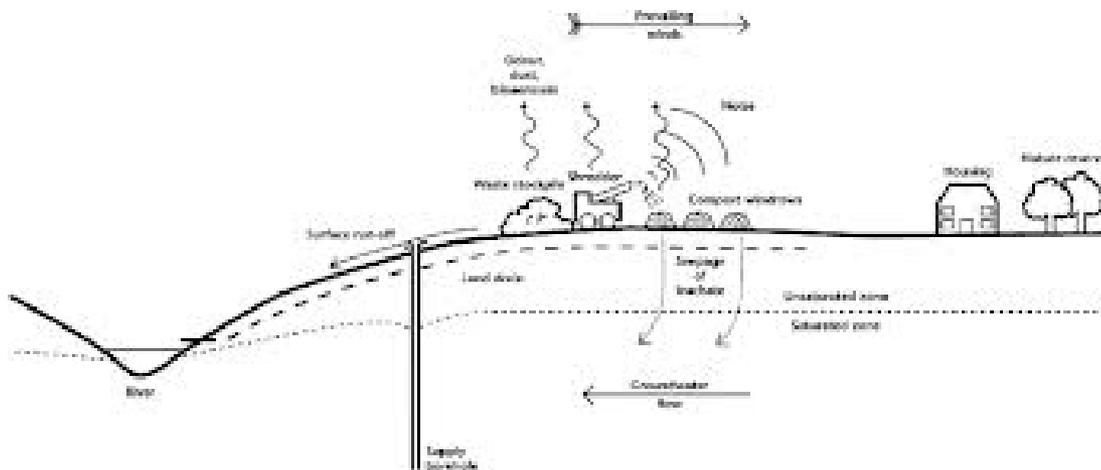
- The Worksite is continually analyzed to identify all existing or potential hazards.

- Identify existing hazards (self-inspections, contracted or KDOL)
- Establish a job hazard analysis
- Accident/Near miss investigations
- Injury and illness review (Trend Analysis)



Work Site Analysis: Job Hazard Analysis

- Identify the hazards
- Identify the workers potentially at risk from those hazards
- Estimate the risks involved



Work Site Analysis: Job Hazard Analysis

- Consider whether these risks can be eliminated, and if not
- Make a judgment on additional measures needed (if any) to prevent or reduce the risks
 - Engineering Controls
 - Personal Protective Equipment
 - Administrative Controls



OSHA Four-Point Workplace Program

- Hazard Prevention and Control
 - Methods to prevent or control existing or potential hazards are put in place and maintained.
 - Develop policies and procedures
 - Monitor safety programs
 - Enforce compliance
 - Preventative maintenance programs
 - Emergency planning
 - Determining program needs





OSHA Four-Point Program

- Training for Employees, Supervisors and Managers
 - Are to be trained to understand and deal with the worksite hazards.



www.nashuatelegraph.com

Proven Success

- Lower Injury and Illness
- Lower worker's compensation rates
- Increased employee morale and productivity
- Safety is the road to success



Small Business Handbook

Small Business Safety and
Health Management Series

OSHA 2209-02R 2005

<http://www.osha.gov/Publications/smallbusiness/small-business.html>



KDOL Consultation Program



- Free safety and health consultation
- >450 private sector employers requests annually
- Consultations can:
 - Help control workers compensation insurance premiums
 - Improve the safety & health of your employees
 - Increase productivity
 - Increase profitability



KDOL Consultation Program

- Contact:

Kansas Department of Labor

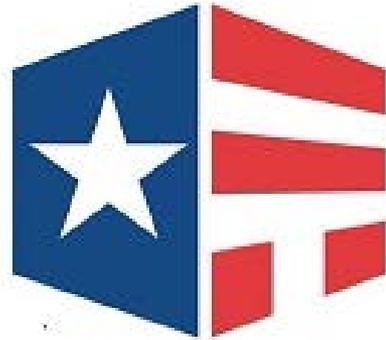
Industrial Safety and Health

417 SW Jackson St

Topeka, Kansas 66603-3327

Phone: (785) 296-4386





SHARP

**Safety & Health Achievement
Recognition Program
Consultation: An OSHA Cooperative Program**



Safety and Health Achievement Recognition Program (SHARP)

- Provides incentives and support to small, high-hazard employers to develop, implement and improve the effectiveness of their safety and health programs
- SHARP can:
 - Reduce your workers compensation premiums
 - Improve the safety and health of your employees
 - Improve employee morale and increase productivity



SHARP

- What criteria does a company have to meet to participate in SHARP?
 - Have a lost workday injury & illness rate and total recordable case rate below the national average
 - Have an effective, written comprehensive safety & health management program
 - Agree to a full service safety & health consultation by KDOL



SHARP

- What criteria does a company have to meet to participate in SHARP?
 - Agree to a correct all hazards identified by KDOL
 - Agree to renewal of SHARP status on biannual basis



SHARP

- KDOL provides a SHARP Coordinator whose duties are to provide assistance to those interested in SHARP
- A Pre-SHARP inspection deferral of up to 18 months may be offered to an employer who corrects all hazards identified during the consultation visit



SHARP

- Who do I contact to participate or learn more about SHARP?
 - Call: (785) 296-4386, or
 - Email: Allen.Vinyard@dol.ks.gov
- SHARP Association
 - Companies qualified for SHARP can participate
 - A networking and mentoring group that shares workplace safety ideas



Safety and Health Awards for Public Employees (SHAPE)

- Safety and health award for public employees
- Established in 2012
- Recognition program for all public sector employers and employees



Safety and Health Awards for Public Employees (SHAPE)

- What are the benefits:
 - Reduce workers compensation premiums
 - Eliminate the recurrence of hazards
 - Eliminate or lower lost work cases
 - Reduce employee turnover
 - Increase worker productivity
 - Improve employee morale



Safety and Health Awards for Public Employees (SHAPE)

- How to get started:
 - Ask any Kansas Dept. of Labor, Division of Industrial Safety & Health Representative
 - Call: (785) 296-4386
 - Extension 2319
 - Extension 2307
 - Go to the KDOL Website:
<http://www.dol.ks.gov>



SHAPE

AWARD LEVELS

All applicants must begin at the Kansas level.

Each additional level equates to one additional year without a lost-time accident.

Number of Employees in Entity	Kansas Level (years)	Sunflower Level (years)	Bison Level (years)	Star Level (years)	Diamond Level (years)
1 - 24	3.0	4.0	5.0	6.0	7.0
25 - 50	2.5	3.5	4.5	5.5	6.5
51 - 150	2.0	3.0	4.0	5.0	6.0
151 - 300	1.5	2.5	3.5	4.5	5.5
301 - 500	1.0	2.0	3.0	4.0	5.0
500 - above	.5	1.5	2.5	3.5	4.5



The Award



S.H.A.P.E.
Kansas Award
Presented to _____
By _____
Kansas Department of Labor
Recognition of 3 years without a Lost Time Accident
Date: _____



Sunflower Award
Recognition of 4 years without a
Lost Time Accident
Date: _____



Bison Award
Recognition of 5 years without a
Lost Time Accident
Date: _____



Star Award
Recognition of 6 years without a
Lost Time Accident
Date: _____



Diamond Award
Recognition of 7 years without a
Lost Time Accident
Date: _____



“Safety isn’t just a slogan, it’s a way of life.” – Author Unknown





Allen Vinyard

Department of Labor

Phone: (785) 296-4386

Email: Allen.Vinyard@dol.ks.gov

Julia Young

Kansas Department of Health & Environment

Phone: (785) 296-1526

Email: jyoung@kdheks.gov



THANK YOU !!

