

Stepping up Safety Awareness in SWANA

SCSWANA conference

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Things we will cover

What is safety

- Safety failures
- Top causes of incidents in the industry
- Getting the message across
- What we hope to do as a State chapter
- Questions

What is Safety?

State of Safety in the Solid Waste Industry?

FATALITIES

- *113 fatal incidents in 2016*
- *75 members of the public died*
 - *Majority were killed in vehicle accidents*
 - *Other fatalities include 11 pedestrians, 6 bicyclists, and 4 motorcyclists*
- *46 solid waste employees died*
 - *9 drivers and 14 helpers out on collection*
 - *Other fatalities include 12 at landfills, 6 at MRFs, 2 doing maintenance, and 2 at transfer stations*
- b) *2015 BLS Fatalities*
 - *Refuse and recycling collection remains 5th most dangerous job in US*
 - *33 collection employees killed, up from 27 in 2014*
 - *Industry in danger of moving up list in 2016 data, based on projected decreases in other industries*
- c) *2017 YTD*
 - *14 members of the public killed | 12 by 3/23/17*
 - *8 solid waste employees killed | 10 by 3/23/17*

24 year man killed in Ohio in a baler at a MRF



65 year old man ran over at a landfill in California



49 year old Operator killed in Landfill slide in Pennsylvania



South Carolina is not immune to safety failures

Estelle Josephine (Ms. Joe) Wood



- Hit by a garbage truck, Driver was cited for disregarding a traffic signal

Tyrone Comfort



- Backed Over

Spacing at Landfills



Transfer Station Awareness



Top Causes for accidents and injuries

Top Four Accident Causes

27% Backing	25% Struck Fixed
18% Side Swipe S/D	6% Collision

Top Four Injury Causes

29% Overexertion	23% Slips, Trips & Fall
12% Struck By	9% Other

How do you get your message across?

How often do we have safety meetings?
Where can we hold safety meetings?

How to get the message across

- Repeat, repeat, repeat
- Personalize the message
- Share incidents that could relate to your line of business
- Always hold accountability , the one time you don't can be bad

Make sure employees are engaged








SWANA Materials to help Safety meetings.

The collection side has 46% of the workforce but count for 75% of the incidents



Waste Collection Vehicles Involved in Tragic Accidents

Collection Safety tips



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www.swana.org/safety

Five to Stay Alive

Safety Tips for Waste Collection Employees

Solid waste collection is the 5th most dangerous job in the United States.

1. Always wear PPE, especially high visibility vests and/or outerwear
2. Never use your cell phone or text while driving the truck or at a disposal facility
3. Don't ride on the step if the truck is BACKING or going forward more than 10 mph or 1/5th mile
4. Always comply with safety belt rules
5. Don't exceed the speed limit and don't rush

SWANA wants you to go home to your family every day, safely. In addition to these five important tips, be sure to follow your employers' safety rules and perform thorough pre- and post-trip inspections EVERY TIME.

Following these rules will help keep you safe!

For more #SWANAsafety info and resources: SWANA.org/safety

Transfer Station Safety Tips



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Five to Stay Alive

Safety Tips for Transfer Stations

Transfer stations can be a dangerous place for both workers and customers.

- 1. Wear PPE at all times**
All personnel on the tipping floor, including employees, contractors and haulers, should wear hard hats, sturdy shoes, eye protection and high visibility vests/clothes while outside a vehicle.
- 2. Know your danger zones**
No personnel should be within 10 feet of the pit's edges without fall protection.
- 3. Establish/enforce vehicle separation rules**
All vehicles in the tipping area should maintain a 15 foot separation from other vehicles/equipment.
- 4. Good housekeeping is essential**
Slips, trips or falls can result from poorly kept transfer stations. Watch for loose material and slippery spots.
- 5. Lock out/tag out always!**
No matter how quick or seemingly simple the task, follow LO/TO procedures at all times.

SWANA wants you to go home to your family every day, safely. So, of course, never use a cell phone or text while operating machinery or moving around a transfer station, and do not scavenge anything from the waste.


Following these rules will help keep you safe!

For more #SWANAsafety info and resources: SWANA.org/safety

Materials Recovery make up 25% of the industries workforce but account for 36% of the Fatalities



MRF Safety Tips



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Five to Stay Alive

Safety Tips for Material Recovery Facilities (MRFs)

- 1. Follow lockout/tagout always!**
Never access a baler, compactor, screen, or metering drum unless LOTO has been performed per the equipment specific procedure.
ALWAYS VERIFY that the energy has been controlled!!
- 2. Do not walk on conveyors**
Walking, standing, or crossing over a conveyor at any time is strictly prohibited unless YOU locked/tagged it out or witnessed it being LOTO.
- 3. Beware of heights**
If fall protection is required (exposure to a fall of greater than 4') you should be trained and authorized to wear the fall protection gear.
- 4. Bale Safety**
Bales should never be stacked more than 4 high. No one should stand near stacked bales, which can fall over if struck by a forklift.
- 5. Maintain a safe distance from moving equipment**
Always maintain at least 15 feet separation between yourself and any mobile equipment.

SWANA wants you to go home to your family every day, safely. So, of course, never use a cell phone or text while operating machinery or moving in MRF, and always wear proper PPE. Also, follow all fire prevention rules, and never smoke outside of designated areas

Following these rules will help keep you safe!

For more #SWANAsafety info and resources: SWANA.org/safety

Landfill Safety Tips



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Five to Stay Alive

Safety Tips for Landfill Employees

Landfills can be a dangerous place for both workers and customers.

- 1. Proper PPE is a MUST!**
Do not begin a task without the proper Personal Protective Equipment (PPE), training, and knowledge. If you're unsure, ask your supervisor.
- 2. Are you the right person for the task?**
Do not perform tasks, operate tools, or use equipment for which you have not been trained. If you're unsure, ask your supervisor.
- 3. Maintain situational awareness**
Be vigilant of changing conditions. Keep your distance from hazards, take weather/soil conditions into account, and remember to "stop, look, and listen" before moving into a new area.
- 4. Heavy equipment has the right of way**
Make yourself visible and stay clear of equipment on the move. Follow all signage. If driving, use flashers and keep your lights on.
- 5. No Scavenging**
Landfill workers and customers should never scavenge material from the landfill.

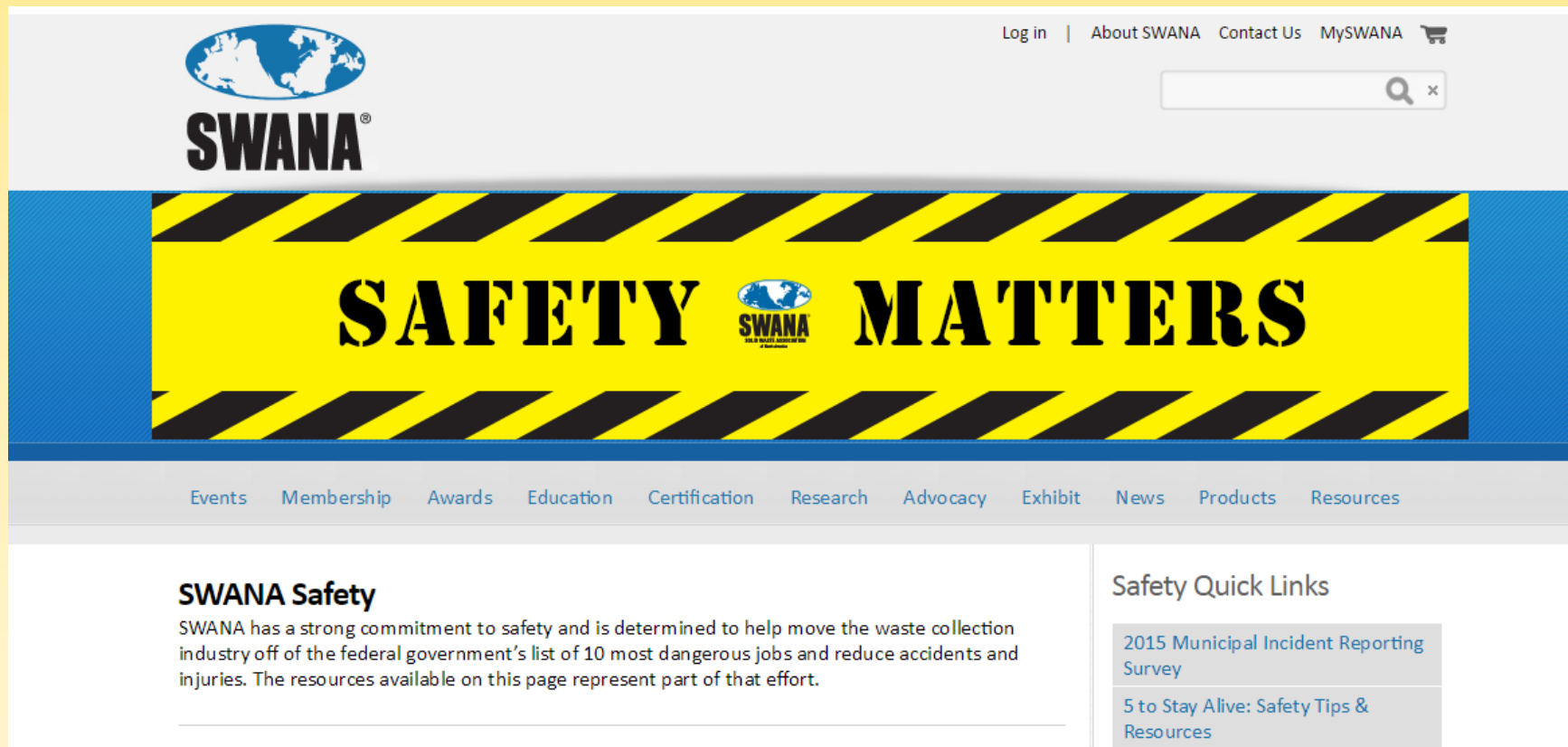
SWANA wants you to go home to your family every day, safely. So, of course, never use a cell phone or text while working at the landfill.

Following these rules will help keep you safe!

For more #SWANAsafety info and resources: SWANA.org/safety

Webpage

www.swana.org/safety



The screenshot shows the SWANA Safety webpage. At the top, there is a navigation bar with the SWANA logo (a globe icon and the text "SWANA®") on the left, and links for "Log in", "About SWANA", "Contact Us", "MySWANA", and a shopping cart icon on the right. A search bar is also present. Below the navigation bar is a large yellow banner with black diagonal stripes at the top and bottom. The banner features the text "SAFETY MATTERS" in large, bold, black capital letters, with a small SWANA logo in the center. Below the banner is a horizontal menu with links: Events, Membership, Awards, Education, Certification, Research, Advocacy, Exhibit, News, Products, and Resources. The main content area is divided into two columns. The left column is titled "SWANA Safety" and contains a paragraph: "SWANA has a strong commitment to safety and is determined to help move the waste collection industry off of the federal government's list of 10 most dangerous jobs and reduce accidents and injuries. The resources available on this page represent part of that effort." The right column is titled "Safety Quick Links" and contains two links: "2015 Municipal Incident Reporting Survey" and "5 to Stay Alive: Safety Tips & Resources".

SWANA

Log in | About SWANA | Contact Us | MySWANA

SAFETY MATTERS

Events | Membership | Awards | Education | Certification | Research | Advocacy | Exhibit | News | Products | Resources

SWANA Safety

SWANA has a strong commitment to safety and is determined to help move the waste collection industry off of the federal government's list of 10 most dangerous jobs and reduce accidents and injuries. The resources available on this page represent part of that effort.

Safety Quick Links

- 2015 Municipal Incident Reporting Survey
- 5 to Stay Alive: Safety Tips & Resources



**National
Waste & Recycling
AssociationSM**
Collect. Recycle. Innovate.

May 8, 2017
www.wasterecycling.org

SAFETY MONDAY

TRUCK ROLLOVER PREVENTION

According to NHTSA's 2015 Fatality Analysis Reporting System (FARS) and the General Estimates System (GES) report, there were 4,050 police-reported Large Truck crashes in 2015 that resulted in a large truck occupant fatality. 533 of the fatalities were rollover crashes. NWRA's on-going research is looking into how many of these fatalities were Waste and Recycling industry related.

According to a USDOT study, there are four primary causes of fatal truck rollover crashes:

1. **Failing to adjust speed when it comes to:** curves in the road, the load being carried, condition of the brakes, weather, road surface and intersections.
 - **SLOW DOWN:** Speed was involved in 45% of crashes in the study.
2. **Loads:** Drivers fail to inspect or secure the load or are not able to determine the center of gravity of the load in the cargo area. Refuse and Recyclable collections trucks pack the material into the cargo area without the driver knowing if the truck is Top or Side heavy. This has the same impact as load shifts, which is the second most frequent type of rollover. **The trucks reactions to road conditions, turns, stops and acceleration, will indicate the trucks center of gravity.**
 - Slow down.
 - Stay focused.
 - Steer slow and smooth.
3. **Steering:** or Over-steering to the point of rollover, not steering enough to stay in lane and over-correcting to remain on the road also contribute to vehicle rollovers.
 - Slow down.
 - Don't panic.
 - Steer slowly and smoothly.
4. **Truck driver inattention/Distracted Driving:** Simply being inattentive, dozing, or distracted – these have all led to a sudden direction change resulted in a rollover.
 - Eat healthy and get adequate rest.
 - Drive safely, follow company policy and traffic laws.
 - Stay focused and don't drive distracted.
 - Turn off the Cell phone and Mobile devices.

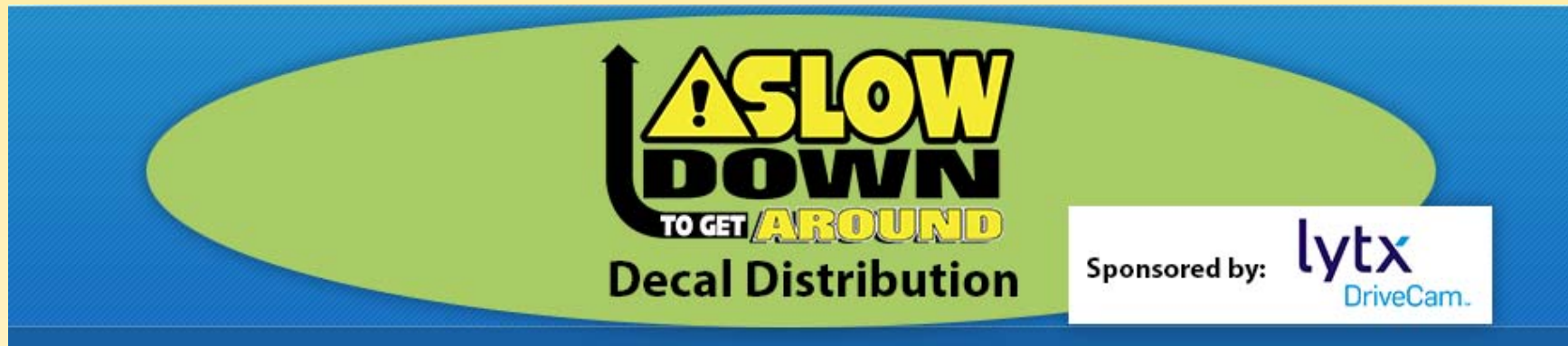
**NO... Call / Text / Email / Search / Tweet /
Instagram / Snapchat / Facebook Post ...IS
WORTH A LIFE.**



Distributed in partnership with



“Slow Down to get Around”



September 12 2017

Day of Safety for South Carolina



A Safety Message from the SC SWANA Chapter

At the landfill, remember:

1. Never get more than 6' feet away from your truck.
2. Always follow proper spacing rules (15ft between end dumps, and 15ft plus the length of the trailer on tractor trailers).

Enter to win!

Send an email, with your name, company name and address, acknowledging receipt of this safety message to info@scswana.org. You will be entered into a drawing for a prize.

Save the date!

September 12th
is South Carolina
statewide safety
awareness day

For more information, please email us at info@scswana.org or reach out to our Chapter Safety Ambassador John Tilton at 803-223-3235.



Because Safety Matters



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Five to Stay Alive

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Safety Always

Questions?