

Emergency Prevention Planning & Management

Manitoba Association of Regional Recyclers

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SWANA
Northern Lights Chapter

What type of
emergencies do we face
in waste management?

Emergencies?

- Accidents
- Local emergencies (landfill specific – fires)
- Widespread emergencies

Accident - Definition



Photo credit: SWANA Landfill Operations
Basics Course Manual

- An unintended event that interrupts a normal procedure or practice

Industry Statistics

- Solid Waste employees have one of the top 10 most dangerous jobs in Canada
 - The Globe and Mail, January, 2015
- Garbage collectors and recyclers were listed in the top 6
- Construction workers were listed in the top 10
- Landfill operators likely similar to construction



BECAUSE SAFETY MATTERS

FIVE TO STAY ALIVE

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.

For more [#SWANAsafety](#) info and resources visit [SWANA.org/safety](#)

Safety Tips for Waste Collection Employees



Always wear PPE, especially high visibility vests and/or outerwear



Never use your cell phone or text while driving the truck at a disposal facility



Don't exceed the speed limit and don't rush

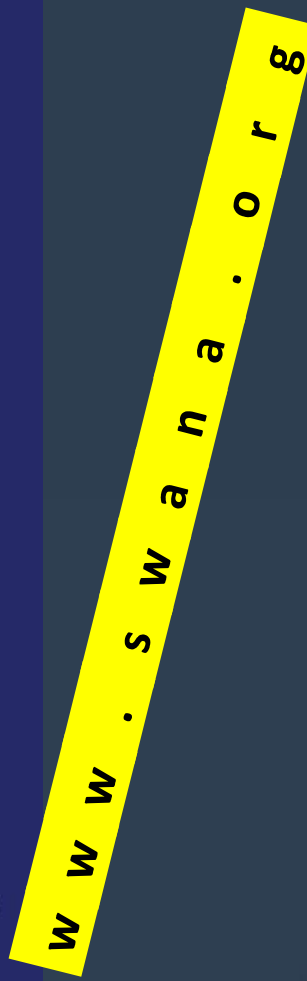


Always comply with safety belt rules



Don't ride on the step if the truck is BACKING or going forward faster than 10 mph or farther than 1/5th mile

Following these rules will help keep you safe!



HOME / INITIATIVES / SAFETY

SAFETY FIRST IN THE SOLID WASTE INDUSTRY

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. These safety initiatives represent part of that effort.

SWANA recognizes that, in the solid waste industry safety matters! [#SWANASafety](#)

SWANA Safety Initiatives



SAFETY AWARDS

2023 Safety Award Winners announced.

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SAFETY FIRST

Safety First is a weekly newsletter with safety tips for tailgate meetings and posting around your workplace. Available only to SWANA members, it is a resource on a variety of industry safety topics.

[ACCESS SAFETY FIRST ARCHIVES](#)



HAULER OUTREACH

Solid waste collection workers are receiving the same safety resources from SWANA at Hauler Safety Outreach events across North America.

[DOWNLOAD HAULER OUTREACH MATERIALS](#)



SAFETY PLEDGE

Take the SWANA Safety Pledge to show your commitment to protecting yourself and others from harm every day.

[TAKE THE SWANA SAFETY PLEDGE](#)



SAFETY AMBASSADORS

SWANA Safety Ambassadors serve as safety leaders in all 47 chapters in the United States and Canada.

[MORE ABOUT THE SAFETY AMBASSADOR PROGRAM](#)



5 TO STAY ALIVE

SWANA has a safety campaign of five simple tips to help solid waste workers stay safe on the job.

[VIEW THE 5 TO STAY ALIVE SAFETY TIPS](#)



SLOW DOWN TO GET AROUND

Slow Down to Get Around is a national safety campaign reminding motorists to drive more carefully when near waste and recycling collection vehicles.

[PURCHASE SLOW DOWN TO GET AROUND VEHICLE DECALS](#)

Advertisement



Control waste collection chaos

[START NOW](#)

IN THIS SECTION

[Safety](#)

[5 to Stay Alive](#)
[Slow Down to Get Around](#)
[American National Standard for Waste and Recycling Safety Awards](#)
[Preventing Needlesticks](#)
[Submit Your Safety Topic](#)

[Recycling](#)

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SWANA Safety initiatives are brought to you by



Local/Site Emergencies

- Accidents
- Landfill Fire
- Floods
- Leachate outbreaks
- Odours, dust
- Landfill Gas

How do you prepare?

Emergency Response Plan (ERP)

- Class 1 Facilities – required in licence
- Class 2 Facilities – required in permit
- Transfer Station – fire prevention & ERP required
- Compost Facility – required

Emergency Response Plan - Basics



- Contacts
- Evacuation Procedures
- Muster Points

Emergency Response Plan - Basics

- Medical Emergencies
 - prevention
- Vehicle or Equipment accidents
 - prevention
- Response Plan



Serious Medical Injury

Prevention

- Safety Plan and Procedures.
- Employee Safety Training and Awareness.
- First Aid Training.

Response Plan >>>

Action	Time Frame	Who?	Resources
Assess site conditions for personal safety and safety of others, and take appropriate actions to secure unsafe areas	Immediately	• Landfill Manager • First Aiders	• Site employees
Attend to the injured person and apply First Aid	Immediately when safe to do so	• First Aider	
Contact 911	Immediately	• First Aider • Site employees	
Stay with the injured person until medical assistance arrives	Duration of medical emergency	• First Aider	
Conduct an investigation to determine the cause of the injury and prepare appropriate mitigative measures	Investigate immediately following the incident. Complete mitigative measures within 1 month of the incident.	• Landfill Manager • Commission Manager	• Site Personnel • Occupational Health and Safety

Extreme Weather Plan

Prevention

- Monitor weather forecasts.
- Employee safety and response training and awareness.
- Continuous back-up of computer/scale data.
- Maintain on and off-site communications systems

Response Plan >>>

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Leachate Flow Greater than Expected:

Prevention

- Minimize leachate generation by application of intermediate and final cover.
- Prohibition of liquid waste disposal.
- Surface water management program.
- Monitor leachate levels and recovery rates.
- Employee training and awareness.

Action	Time Frame	Who?	Resources
Review precipitation data	1 week	•Certified Operator	•Environment Canada •Airport
Check performance with historical leachate levels and recovery	1 week	•Certified Operator	
Inspect intermediate cover and final cover systems	Immediate	•Certified Operator	
Review groundwater table data	1 week	•Certified Operator	•Environmental Consultant
Determine probable causes and assess mitigative measures	3 month	•Certified Operator	•Environmental Consultant
Implement mitigative measures	As determined necessary	•Landfill Manager •Commission Manager	•Environmental Consultant

Response Plan >>>

Emergency Response Plan - Fires

- Fire Prevention
- General Fire Response
- General Fire-Fighting Guidelines
- Small contained fires
- Building fires
- Fires at the working face
- Stored materials fires
- Environmental Contingencies and reporting



Landfill Fire Course highlights

- Designed for landfill personnel, firefighters and landfill regulators to better understand the challenges and impacts of landfill fires.
- Goal is to provide attendees with information, best practices, and real-world considerations to reduce the potential for a landfill fire.
- Course attendees will also gain a better understanding of what to do if a fire does occur.



Emergency Response Plan

- Prohibited waste delivered to landfill?
- Prohibited waste discovered at landfill?
- Hot loads?
- Elevated parameters in groundwater monitoring?



Emergency Response Plan

- Leachate seepage through your final cover?
- Contamination of surface water?
- Storm overflow in active operating area?
- Landfill gas detected?
- Spills?



Crisis Management

The Crisis Management Committee is a team dedicated to assisting communities with high impact events ranging from local emergencies to far reaching disasters related to waste management. This team will assist incident command as a cooperating agency in the event of disaster.

The Crisis Management Committee has provided some documents to assist with planning for emergency situations. We welcome feedback and ideas on how to make these resources more valuable.

[EMAIL US](#)

Title	Description	
Emergency Response Plan (pdf)	Generic Form for an Emergency Response plan	Download
Emergency Response Plan (doc)	Generic Form for an Emergency Response plan	Download
SEPA - Debris	Plan for Debris Removal	Download
Debris Removal	Assessment and Removal Plan	Download
Debris Plan Checklist	Operational Checklist for Debris Removal and Recovery	Download

www.swananorthernlights.org/crisis

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Thank you!

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