

# Walker Environmental Group

## Landfill Operations

### How does a landfill operate?

#### Scale house

- The Environmental Performance Department notifies the scale operator when a waste is acceptable for receipt.
- When weighing the load, the scale operator confirms that the waste has been approved.
- If the waste is acceptable it is sent on to the inspection station.
- If a waste is not acceptable or the scale operator is unsure if the load is approved they have the authority and the responsibility to reject the load.



#### Inspection

- At the inspection station, waste loads are inspected to ensure they are consistent with the waste generator's description.
- Loads that look consistent with the description are sent on to the tipping face.
- If a waste is not consistent with the description, the waste inspector has the authority and responsibility to reject the load.



#### The Environmental Performance Department: Making sure what arrives is acceptable

- ✓ The Environmental Performance Department reviews the information from the waste generator to confirm it is acceptable for receipt.
- ✓ This means finding out what the waste is and how it is produced.
- ✓ For some wastes it also means testing the waste to make sure that it is non-hazardous and solid.
- ✓ Walker Environmental Group ensures that only acceptable waste enters the landfill by imposing a strict analytical program.
- ✓ Ontario Regulation 347 regulates waste management in the province. It defines what non-hazardous solid waste is and sets the testing requirements to ensure a waste is non-hazardous and solid.



Spreading cover at the end of the day.

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### Delivery and compaction

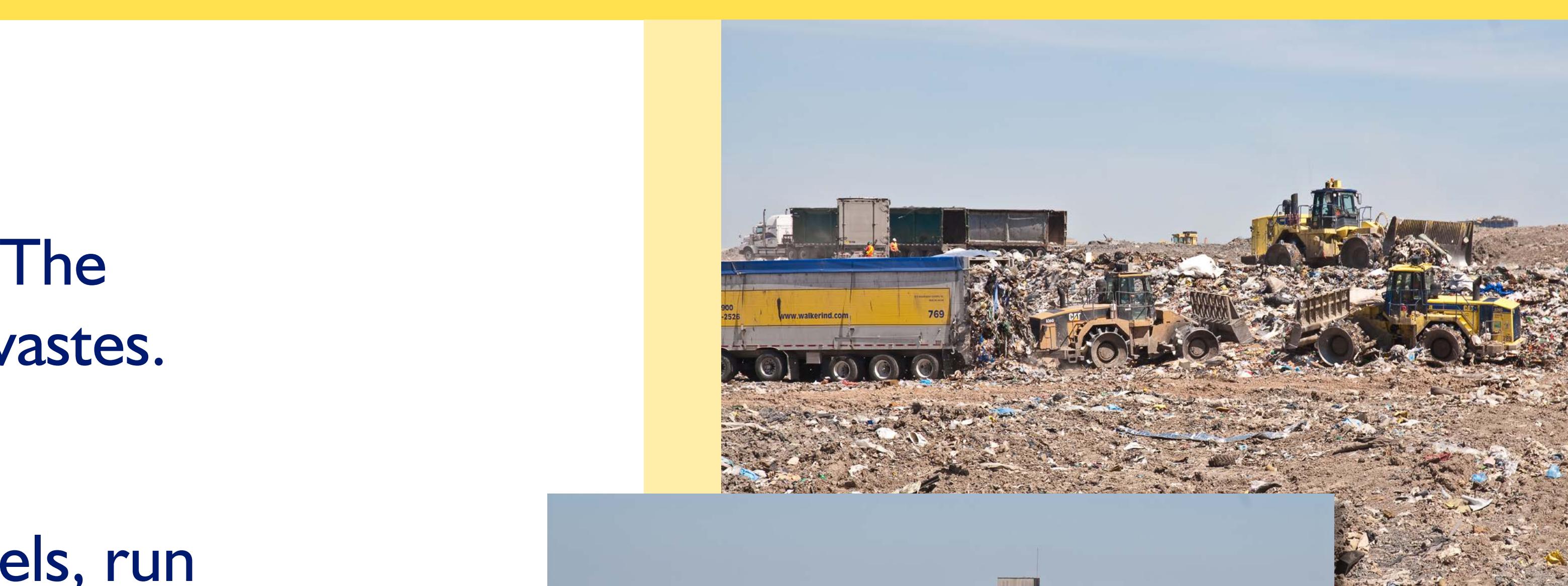
- At the tipping face the load is inspected one last time. The landfill operators are trained to identify unacceptable wastes.
- Unacceptable waste is rejected from the site.
- Compactors, special bulldozers with spiked metal wheels, run over the waste to pack it down.

### Cover

- At the end of each day the waste is covered with soil and sand like materials.
- The cover stops waste from blowing away, prevents odours and hides the waste from animals and birds.

### Filling the landfill

- A landfill cell is filled one lift at a time.
- A lift is a layer, typically 6 - 7m (20 -25 feet) thick, that provides enough volume to handle daily waste receipts while minimizing the area to be covered at the end of the day.
- A completed cell has a number of layers of garbage and daily cover.
- Once filled, the landfill is progressively covered with final cover and seeded.



Compactor



Spreading cover

Compactor



### From landfill to agriculture

Walker Environmental Group and the University of Guelph are studying the feasibility of taking a landfill back to an agricultural end-use.

### Rehabilitation for the long term

- Walker Environmental Group practices progressive rehabilitation. We are committed to the long-term care of our landfill site.
- Rehabilitation plans will help the landfill blend naturally with the surrounding area.

