

# Dauphin Waste Disposal Grounds

2023 ANNUAL REPORT



Dauphin

100 MAIN STREET SOUTH, DAUPHIN, MB R7N 1K3 | [WWW.DAUPHIN.CA](http://WWW.DAUPHIN.CA)

# Table of Contents

Introduction .....	2
2023 Operations .....	3
Waste Received .....	3
Waste Diversion Centre .....	5
Mattresses .....	6
Household Hazardous Waste .....	7
Electronics.....	7
Metal.....	7
Tires .....	7
Ozone Depleting Substance Containing Appliances.....	7
Agricultural Plastics .....	7
Used Oil Products and Materials .....	8
Future Operations.....	9
Conclusion.....	9

## Introduction

This annual report covers the City of Dauphin's operations of the Dauphin Waste Disposal Ground for the period of January 1, 2023, to December 31, 2023. The report has been prepared in accordance with the Environment Act (C.C.S.M. c. E125), Environment Act License 3206, issued January 10, 2017, to the City of Dauphin.

The City of Dauphin owns and operates the Dauphin Waste Disposal Grounds, a Class 1 Waste Disposal Ground (WDG) under the Manitoba Environment Act.



*Figure 1: Dauphin Waste Disposal Grounds Layout*

The Dauphin WDG is located on SW ¼ 20-25-19 WPM and is located in the Rural Municipality of Dauphin. The Dauphin WDG was opened in 1984, and accepts the following materials:

- Solid Waste
- Construction and Demolition Waste
- Asbestos Containing Material
- Rebar Concrete
- Contaminated Soils
- Freon Depleting Devices
- Trees, Branches, and Other Yard Waste or Compost Materials
- Mattresses
- Agricultural Plastics and Chemical Containers
- Used Electronics
- Used Tires
- Used Oil, Oil Filters, and Containers
- Household Hazardous Waste
- Scrap Metal

## 2023 Operations

### Waste Received

The City of Dauphin Waste Disposal Grounds received 7,970 tonnes of waste between January 1 and December 31, 2023. Of the waste that entered the landfill, 2,866.2 tonnes (43%) was residential waste, 2,794 tonnes (35%) were commercial waste, and 1,734 tonnes (22%) construction and demolition waste. The site also received 17.71 tonnes of approved contaminated soil to be remediated at the site and used as cover in the future.

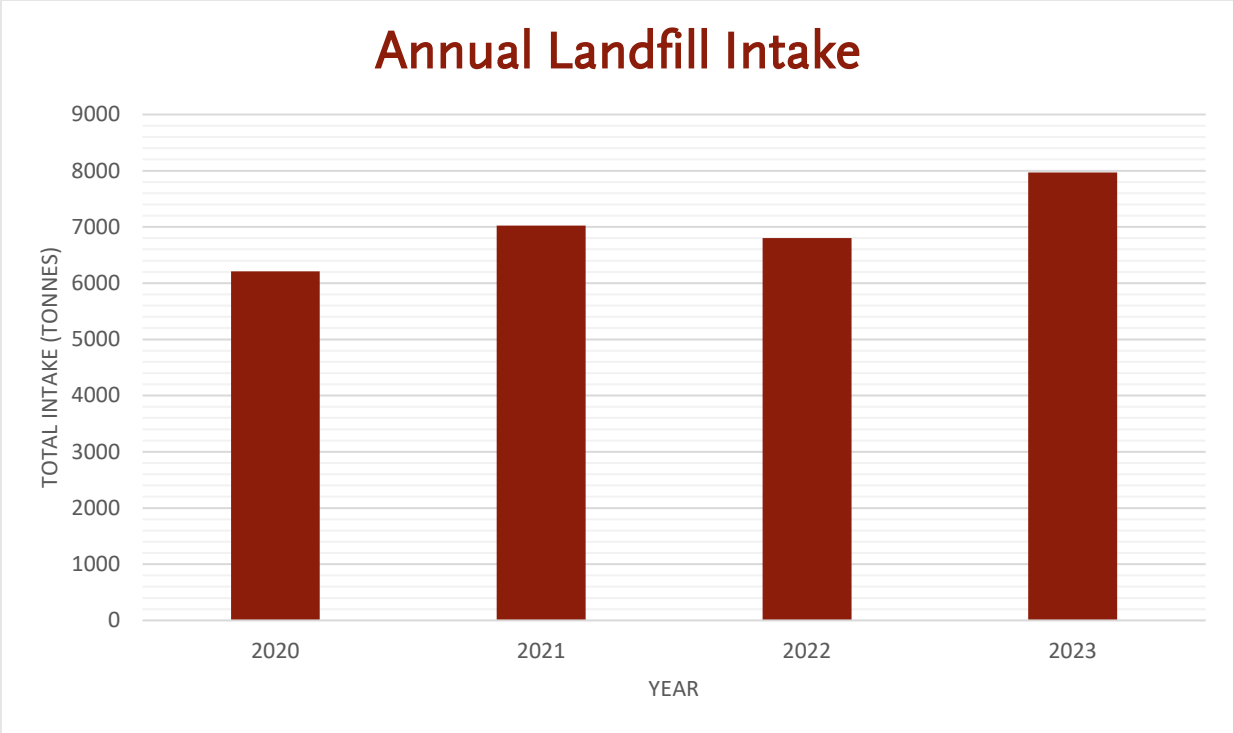


Figure 2: Annual Landfill Intake

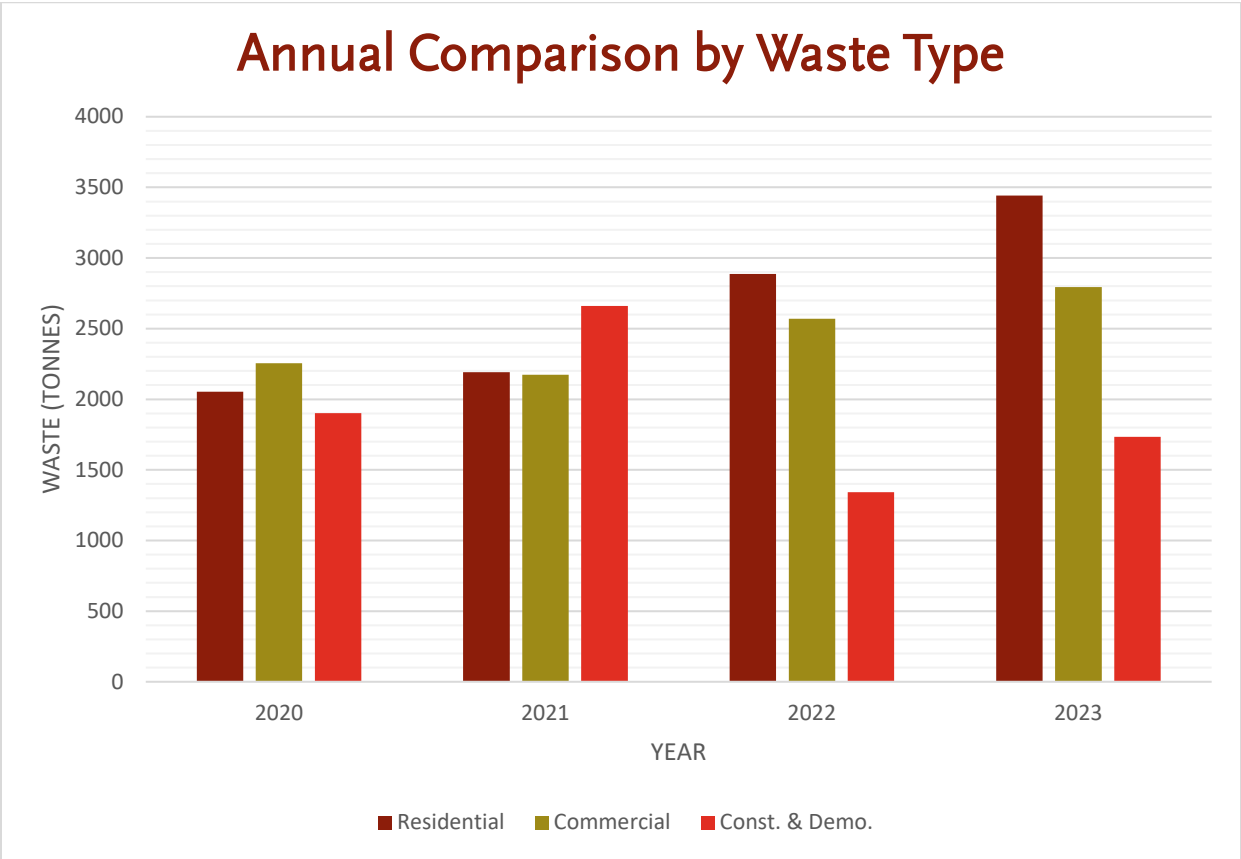


Figure 3: Annual Comparison by Waste Type

As can be seen in Figures 2 and 3, the Dauphin Waste Disposal grounds experienced an increase in materials received during 2023. Residential waste had significant increase in waste material and an increase in Commercial waste compared to previous years. Construction and Demolition materials were also up from previous year and down compared with previous years.

The following table shows a breakdown of additional materials that were received at the WDG in 2023. Some of these materials are accounted for in the figures above.

*Table 1: Additional Materials Received in 2022*

Type of Material	Amount Collected (tonnes)
Asbestos containing material	47.5
Contaminated Soils	17.7
Clean Fill	0
Yard Waste/Organic Materials	497.1

## Waste Diversion Centre

In 2021, the City of Dauphin was able to open their Waste Diversion Centre at the Dauphin Waste Disposal Grounds. This area of the site accepts used mattresses, household hazardous waste, used electronics, scrap metal, used tires, used white goods, agricultural plastics, and used oil and oil products. The site fully opened in July and has been collecting materials for recycling since. The following is a summary of the materials collected at each of the diversion areas.



Figure 4: Waste Diversion Centre Layout

## Mattresses

In partnership with Mother Earth Recycling, the City of Dauphin has been recycling all mattresses received at the disposal site. In 2023, the City collected 385 mattresses for recycling.

## Household Hazardous Waste

The City of Dauphin was able to accept various household hazardous waste materials in 2023. Working with ProductCare Recycling, the City was able to collect and return 22 tubskids of used paint and paint products. We were able to collect and return 1 drum of paint aerosols, 1 drum of flammable liquid, 2 drums of non paint aerosols, 1 drum of fire extinguishers and 21 boxes of 4 foot fluorescent tubes. We were able to store many other household hazardous waste products.

## Electronics

The City of Dauphin works with Electronic Products Recycling Association (EPRA) to collect and recycle used electronic equipment. The City was able to have 46 skids of electronic products delivered to EPRA's recyclers in 2023. The City is very pleased that this amount of electronic products was diverted from the Waste Disposal Ground and is one of the most used services at the Diversion Centre. Old TV's make up the majority of product collected.

## Metal

Users of the Dauphin Waste Disposal Grounds can dispose of scrap metal for no fee. The City has contracted a local scrap contractor to load, haul, and dispose of collected scrap metal. Removal from the site occurs approximately twice per year.

## Tires

Used tires can be disposed of for free at the Waste Disposal Grounds. Tires are collected and removed from site by a Contractor for reuse elsewhere.

## Ozone Depleting Substance Containing Appliances

The City collects ODS appliances, for a fee, to keep them out of the active landfill and remove them from site in an environmentally friendly manner.

## Agricultural Plastics

The City of Dauphin continues to work with CleanFARMS to divert agricultural plastics from the City's landfill. These plastics include used pesticide and fertilizer containers. CleanFARMS partners with Miller Environmental Group to remove the stockpile of containers once per year.



## Used Oil Products and Materials

The City of Dauphin has partnered with the Manitoba Association for Resource Recovery Corporation (MARRC) to accept use oil and oil products, such as oil containers and filters. The Diversion Centre has a 2,500-litre tank for collecting and storing used oil. Used oil filters, and used oil and antifreeze containers are bagged and stored in the adjacent seacan to protect them from precipitation. These products, as well as the used oil, are removed from the WDG through a partnership with Notre Dame Used Oil.

In 2023, 4,000 litres of used oil, 5 barrels of used oil filters, 41 bags of used containers, and 160 used pails were collected and removed from the Waste Disposal Grounds.

*Table 2: Materials Removed from Waste Disposal Grounds*

Diverted Materials	Amount Removed
Mattresses	385 Mattresses
Household Hazardous Waste <ul style="list-style-type: none"> <li>• Paint</li> <li>• Hazardous Waste (Program)</li> <li>• Hazardous Waste (Non-Program)</li> <li>• Lightbulbs</li> </ul>	22 Tubskids 4 Drums 1 Drums 21
Electronics	46 Skids
ODS Containing Appliances	1.76 Tonnes
Agricultural Plastics	0
Used Oil and Oil Products <ul style="list-style-type: none"> <li>• Used Oil</li> <li>• Waste Oil Filters</li> <li>• Plastic Oil Jugs</li> <li>• Plastic Pails</li> </ul>	4,000 L 5 Barrels 41 Bags 160 Pails
Tires	4295
Scrap Metal	13.79 Tonnes

## Future Operations

Our waste disposal grounds have been accepting empty agricultural chemical plastic containers for over 25 years. Cleanfarms is a non-profit environmental stewardship organization that has been managing the pickup and receiving of empty agricultural plastic chemical containers. Cleanfarms have been notifying municipalities that they are transitioning out of picking up the empty plastic containers and concentrating pickups at retail locations and larger farm sites. In 2024 we will have one more final pickup and cleanup and will no longer be accepting agricultural plastic containers at our landfill site after the final pickup.

The City continues to look into how traffic enters and exits the site. An intercom system has been installed so that all visitors now have a direct communication point with the Landfill Attendant. This allows for better direction and communication about the materials being received and the customers are better able to navigate the WDG. Signage will be improved, as well, to easily identify the various locations for the appropriate products.

## Conclusion

The City of Dauphin's Waste Disposal Grounds will continue to operate and track a multitude of materials being received at the landfill and materials being diverted from entering the active landfill cell.

Plans for future construction are developed and works are being considered as the active cell continues to move towards the end of its lifespan.