



# Isle of Man Government

*Reiltys Ellan Vannin*

# DEFA

Rheynn Chymmyltaght, Bee as Eirynys  
**The Department of Environment,  
Food and Agriculture**



# 2023 Isle of Man Waste Returns Report

**Environmental Protection Unit**

T: 01624 685535

E: [environmentalprotection@gov.im](mailto:environmentalprotection@gov.im)

W: <https://www.gov.im/about-the-government/departments/environment-food-and-agriculture/environment-directorate/environmental-protection-unit/>

Environment Directorate  
Department of Environment, Food and Agriculture  
Thie Slieau Whallian  
St Johns,  
IM4 3AS  
Isle of Man

# Contents

Summary.....	3
Waste Infrastructure .....	5
Non-Hazardous Waste Streams.....	6
Household – Municipal Solid Waste .....	6
Construction and Demolition.....	7
Hazardous Waste Streams .....	8
Electronics .....	8
Asbestos .....	8
Other Hazardous Wastes.....	9
Waste Disposal .....	10
Landfill.....	10
Energy from Waste .....	11
Animal Waste Processing Plant .....	12
Definitions .....	13

# Summary



In 2023, the island disposed of 233,726 tonnes of waste, via landfill, waste incineration, reuse or recycling/recovery and off island disposal.

Recycling accounted for approximately 53% of the Island’s waste treatment (on and off Island), 26% of the total waste was landfilled or sent for disposal, and 21% sent to the Energy from Waste plant.

Table 1 Waste destinations 2022 & 2023

Waste Destination	Tonnage 2022	Tonnage 2023
ON ISLAND RECYCLED	86816	105716
ON ISLAND ENERGY RECOVERY	51283	49072
ON ISLAND DISPOSAL	68476	60358
OFF ISLAND RECOVERY & RECYCLED	10792	18978
OFF ISLAND DISPOSAL	7935	0
<b>Total</b>	<b>225303</b>	<b>233726</b>

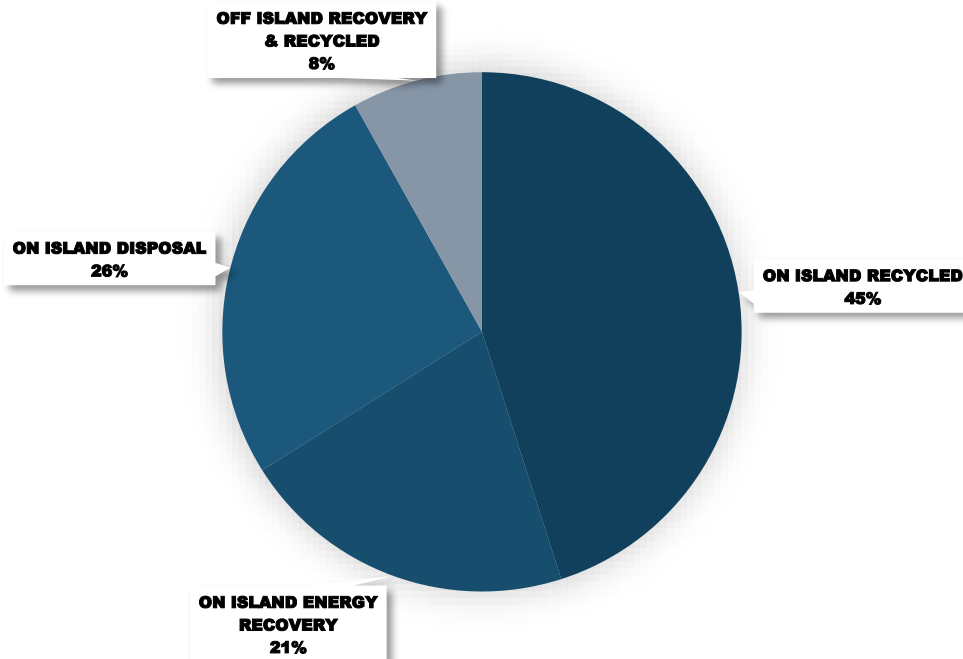


Figure 1 Waste destinations 2023

Table 2 Isle of Man waste types tonnage in 2022 &amp; 2023

EWC	Disposal on island		Energy Recovery on island		Recycled on island		Disposal off island		Recovery & Recycled off island		TOTAL		
	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023	
<b>02</b>	<b>AGRICULTURE, HUNTING AND FISHING, FOOD PRODUCTION</b>												
	1957	2098	483	512							2440	2610	
<b>06</b>	<b>INORGANIC CHEMICAL PROCESSES</b>												
									17		17	0	
<b>07</b>	<b>WASTES FROM ORGANIC CHEMICAL PROCESSES</b>												
									48	23	48	23	
<b>08</b>	<b>WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS</b>												
				0.54								0.54	
<b>11</b>	<b>CHEMICAL SURFACE TREATMENT OF METALS AND PLASTICS</b>												
									7.3		7.3	0	
<b>12</b>	<b>SHAPING AND PHYSICAL TREATMENT OF METALS AND PLASTICS</b>												
			0.16						840	918	840	918	
<b>13</b>	<b>OIL AND LIQUID FUEL WASTE</b>												
			349	85							349	85	
<b>15</b>	<b>PACKAGING; ABSORBENTS, WIPING CLOTHS, AND PROTECTIVE CLOTHING</b>												
			535	405					816	720	1352	1124	
<b>16</b>	<b>OTHER INDUSTRIAL PROCESSING WASTES</b>												
		319	621	750		17			5237	11122	5858	12207	
<b>17</b>	<b>CONSTRUCTION AND DEMOLITION WASTES</b>												
	54897	47629	6255	5483	38030	96513			5811	714	104993	150340	
<b>18</b>	<b>HEALTHCARE WASTE</b>												
			697	392							697	392	
<b>19</b>	<b>MATERIALS FROM WASTE WATER TREATMENT</b>												
	10111	9168	1238	1290	42359	2453			1494	3736	55203	16647	
<b>20</b>	<b>MUNICIPAL WASTES</b>												
	1511	1144	41105	40153	6427	6366			4488	1715	53530	49378	
											<b>Total</b>	225334	233726

The data provided is from licensed operator's waste returns and will only be as accurate as the information provided. There is no legal requirement to provide records of export of 'Green list wastes' like uncontaminated metal, paper and cardboard other than by licensed operators in their waste returns so there may be more such wastes being exported from businesses which do not require a Waste Disposal Licence (WDL) as they are only exporting their own wastes such as supermarkets.

# Waste Infrastructure



Governing waste legislation is the Public Health Act 1990 and the Collection and Disposal of Waste Regulations 2000. Further regulation relating to disposal of dredging and its disposal is covered by the Water Pollution Act 1993.

A copy of these documents can be found on the government website:

<https://legislation.gov.im/cms/>

Information regarding waste regulations including the WDL register can be found on the Environmental Protection Unit - Waste Regulation, Waste Disposal Licences webpage:

<https://www.gov.im/about-the-government/departments/environment-food-and-agriculture/environmental-protection-unit/waste-regulation/waste-disposal-licences/>

The Isle of Man has 40 licenced waste facilities. A summary of these facilities can be found in Table 3. The majority of facilities are transfer stations, where materials are sorted and processed prior to reuse, recycling or disposal.

**Table 3 Licenced Waste Facilities Isle of Man**

Waste Facility	Number of Facilities
WASTE TRANSFER STATION	14
CIVIC AMENITY SITE	4
LANDFILL	4
RECYCLING COMPOUND & STORAGE FACILITY	3
WASTE TRANSFER & RECYCLING FACILITY	3
GREEN WASTE COMPOSTING FACILITY	2
PROCESSING, STORAGE & TRANSFER FACILITY	2
WASTE TREATMENT, STORAGE & TRANSFER FACILITY	2
ANIMAL WASTE PROCESSING PLANT	1
ANIMAL CARCASS INCINERATION	1
ENERGY FROM WASTE FACILITY	1
HAZARDOUS WASTE STORAGE & TRANSFER STATION	1
LANDFILL & RECYCLING FACILITY	1
RECYCLING FACILITY	1

# Non-Hazardous Waste Streams

## Household – Municipal Solid Waste



Municipal Solid Waste (MSW) is waste generated by homes across the island and consists of regular bin collections, curb side recycling and wastes collected at civic amenity sites.

On the Isle of Man, around 81% of household waste is sent to the Energy from Waste Facility for energy recovery ('recovered'), of the remaining waste 19% via civic amenity sites, is sent for reuse, recycling, disposal on and off island.

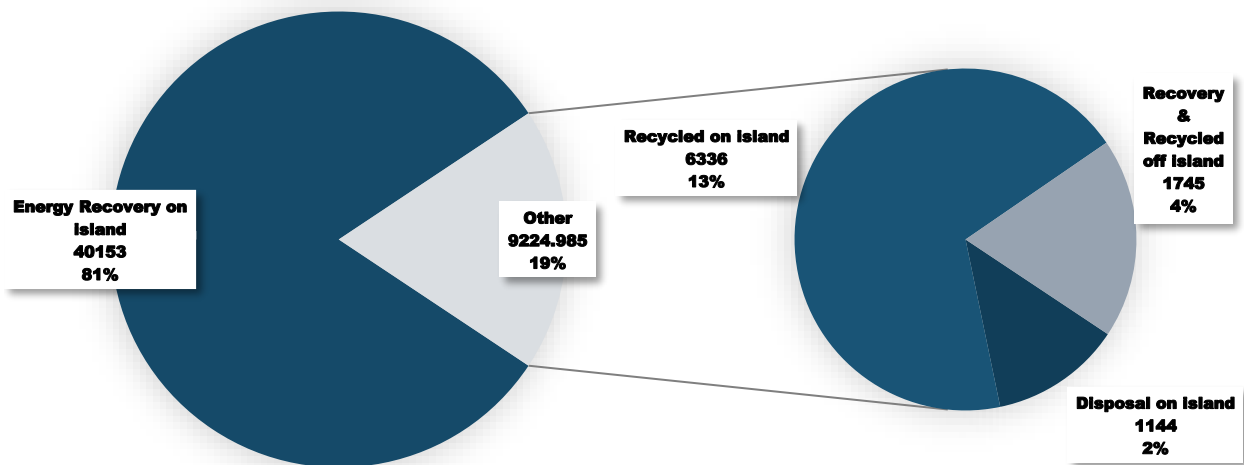


Figure 2 Household waste disposal destinations

## Construction and Demolition



Construction and demolition (C&D) waste accounts for the largest proportion of waste generated on the island, contributing 59% in 2023.

Currently, the Isle of Man C&D industry reduces their waste disposal volumes to landfill by 68% with reusing, recycling and energy recovery.

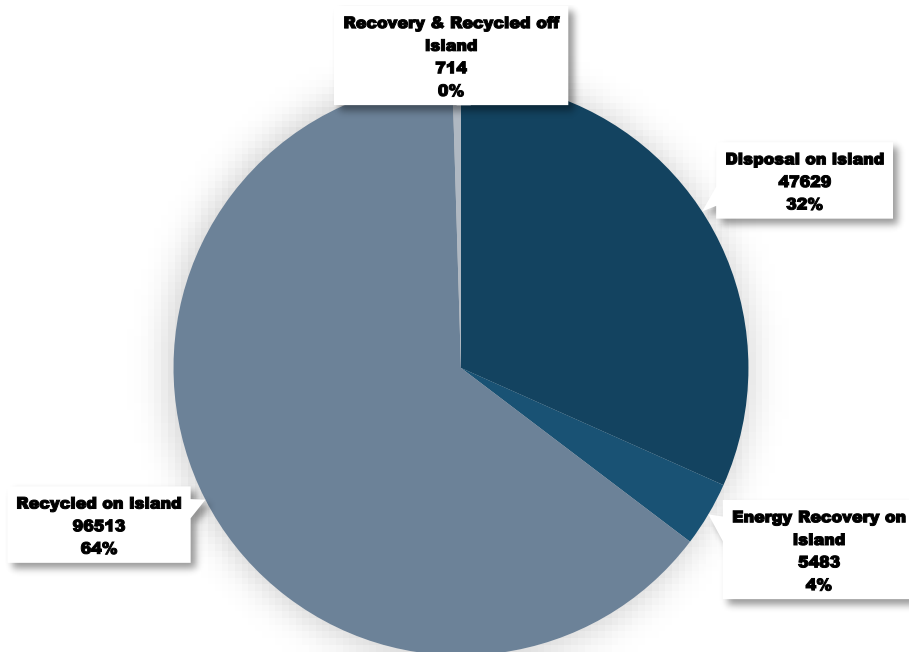


Figure 3 Construction and demolition waste destinations



# Hazardous Waste Streams

Waste destination for the hazardous waste generated on the island varies from clinical waste and waste oil being sent to the Energy from Waste facility as 'energy recovery', asbestos waste sent to landfill and large Waste Electronic and Electrical Equipment exported for recovery.

Air Pollution Control Residue generated at the Energy from Waste facility, batteries, fluorescent tubes and hazardous chemicals were exported off island.

## Electronics



Electronic waste is mostly collected at local civic amenity sites and sent for recycling off island via Transfer Stations.

All of the 200 tonnes of large Waste Electronic and Electrical Equipment (WEEE) collected on the Island was sent off island for recycling and recovery.

Collections of WEEE consists of large items, typically, refrigeration equipment, televisions, and PC monitors. A strategy for recovery of small WEEE is currently being developed as part of the Island's Waste Strategy.

## Asbestos



The disposal of asbestos waste continues to be sent to an Island landfill for disposal.

In 2023 there was just over 318 tonnes of asbestos contaminated waste sent to Wrights Pit North Landfill.

For more information about the management of asbestos, please visit the Workplace Health and Safety team at DEFA or their Asbestos webpage

<https://www.gov.im/about-the-government/departments/environment-food-and-agriculture/regulation-directorate/health-and-safety-at-work-inspectorate/asbestos/>

## Other Hazardous Wastes

The majority of other hazardous waste produced was 1416 tonnes of Air Pollution Control Residues (APCR) from the Flue Gas cleaning system at the Energy from Waste Facility, which was sent off-island for recycling/recovery.

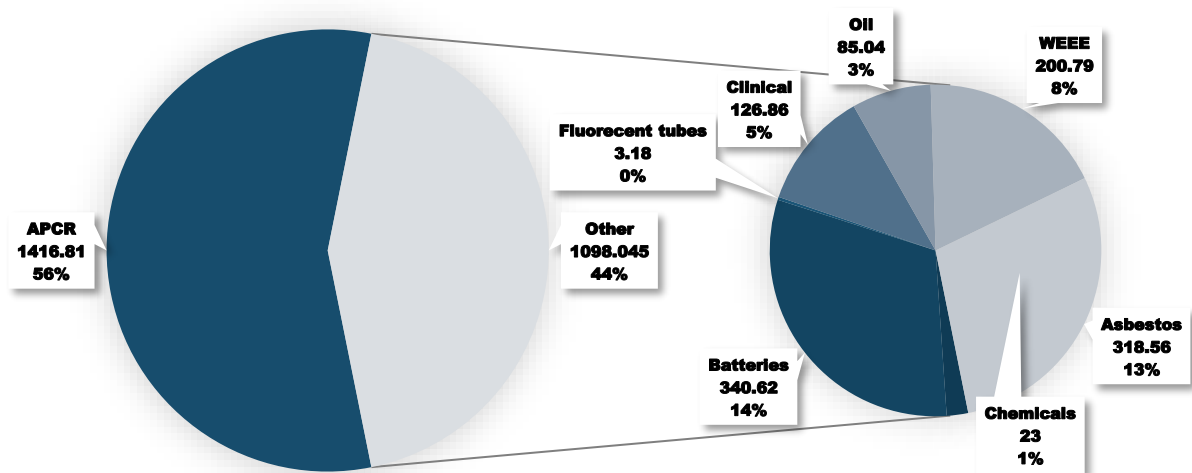


Figure 4 Hazardous waste streams

For waste sent off island for disposal or recovery/recycled and not on the 'Green' list a Transfrontier Shipment (TFS) is required. A TFS is an agreement between the competent authorities for dispatch (DEFA) and receipt (UK Environment Agency) as well as the owner of the waste, that the type and amount of waste being shipped is as stated, and will be disposed, or recovered at appropriately licensed facilities.

More information about applying for a TFS to ship hazardous waste can be found here:

<https://www.gov.im/about-the-government/departments/environment-food-and-agriculture/environmental-protection-unit/waste-regulation/import-and-export-of-waste/>

# Waste Disposal



## Landfill

Currently, the Isle of Man has three operating landfills, Wright’s Pit North – Inert landfill, plasterboard, and asbestos disposal. Ballaharra Quarry - Inert C&D, quarrying waste, separately collected glass and soil & stones for recycling.

Turkeylands New Landfill – Inert landfill and Incinerator Bottom Ash disposal.

In 2023, 57,332 tonnes of waste was sent to landfill for disposal.

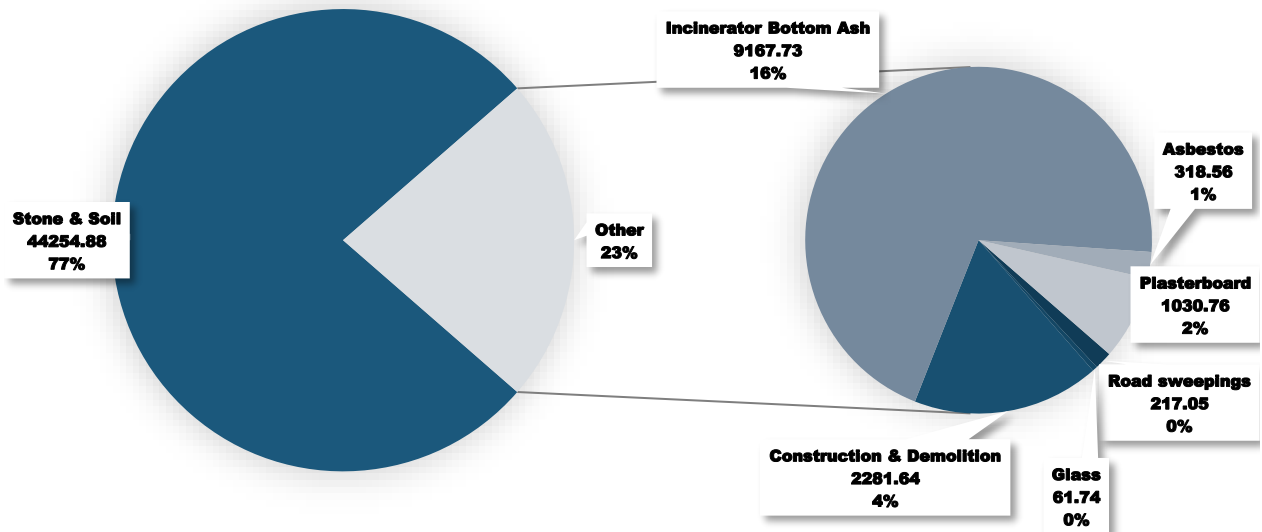


Figure 5 Waste streams sent to Landfill

## Energy from Waste



The Energy from Waste (EfW) plant accepted just over 49,000 tonnes of waste in 2023. For further information an annual report is available on SUEZ’s website.

[www.suez.co.im](http://www.suez.co.im)

In general, 81% of the material incinerated was municipal waste, with 11% from wood deliveries, and 8% from other waste streams.

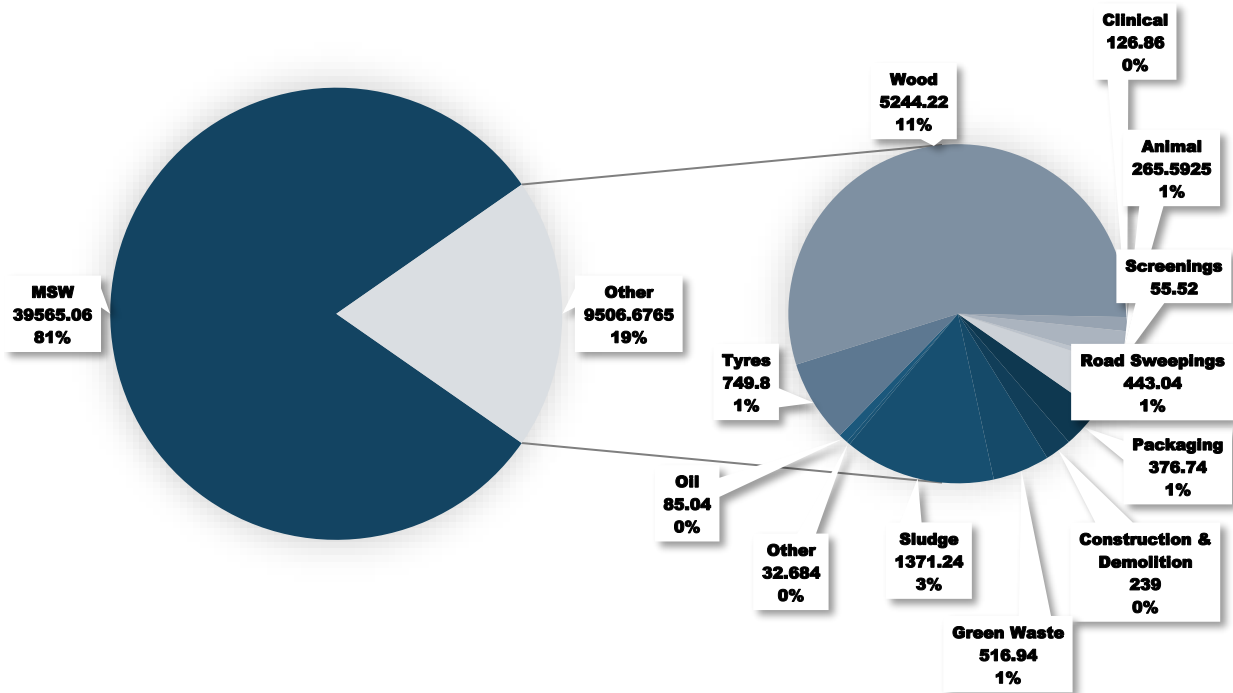


Figure 6 Energy from Waste proportion of waste streams

The EfW plant generates Incinerator Bottom Ash (IBA) waste from the incineration process, which contains the non-combustible fraction, the Air Pollution Control Residues (APCR), which is residue from the flue gas cleaning process, and scrap metal which is removed from the IBA using an overband magnet system.

The amount of IBA produced in 2023 was 9179 tonnes approx. 19% of the waste input. In addition 1416 tonnes of APCR was produced from the Flue gas cleaning process all of which was sent to the UK for recovery along with 330 tonnes of scrap metal sent for recycling.

## Animal Waste Processing Plant

The Animal Waste Processing Plant (AWPP) plant accepted and disposed of 2098 tonnes of waste in 2023.

# Definitions

APCR	Air Pollution Control Residues
C&D	Construction and Demolition
DEFA	Department of Environment, Food and Agriculture
Disposal	Materials sent to final destination
DRR	Duly Reasoned Request
EfW	Energy from Waste Plant
EWC	European Waste Code
IBA	Incinerator Bottom Ash
IoM	Isle of Man
MSW	Municipal solid waste
Recovered	Materials sent for energy recovery via the incinerator – Energy from Waste plant
Reused	Materials reused without further processing
Recycled	Secondary raw materials produced from waste
TFS	Transfrontier Shipment.
WEEE	Waste Electrical and Electronic Equipment
WPN	Wright's Pit North