

National Waste Capacity Report for Scotland 2007

National capacity report for Scotland - 2007

1. Introduction

This paper presents the numbers and capacities of all waste management sites licensed or permitted by SEPA that were operational (actively receiving waste) in calendar year 2007. This paper is intended as a snapshot of waste tonnages accepted at waste facilities and available waste management annual capacity in 2007.

Detailed site by site information is available in the National Capacity Spreadsheet 2007 that accompanies this report:

http://www.sepa.org.uk/waste/waste_data/site_capacity_infrastructure/national_capacity_reports.aspx

The remaining capacity of landfill sites is available from the Landfill Capacity Report for Scotland, 2007:

http://stir-app-net02/SepaWebsite/waste/waste_data/site_capacity_infrastructure/landfill_capacity_reports.aspx

Waste data information is available on SEPA's website:

http://www.sepa.org.uk/waste/waste_data.aspx

2. Types of waste management sites

This paper considers the numbers and capacities of the following site types:

- Landfill (open)
- Landfill (restoration)
- Energy from Waste (EfW) plant / Incinerator
- Civic amenity site¹
- Metal recycler (includes End of Life Vehicle and Authorised Treatment Facilities)
- Transfer station
- Pet cemetery/crematorium
- Composting site
- Anaerobic digestion plant
- Other treatment plant
- Multiple activity site

In some cases, sites are licensed or permitted to carry out two or more waste management activities under the licence or permit and these have been designated as multiple activity sites for the purpose of this report. Further details of these are in the spreadsheet accompanying this report. It should be noted that in the case of these multiple activity sites, it is not possible to allocate capacity or waste tonnage to the separate activities carried out.

¹ Also known as a recycling centre

3. Numbers of operational waste management sites in Scotland 2007

There were 805 waste management sites in Scotland that received waste in 2007. The number of sites is shown by site type in Table 1.

Table 1 Total number of operational waste management sites in Scotland by site type 2007

Site type	Number
Anaerobic digestion plant	1
Civic amenity site	132
Composting site	11
EfW plant / Incinerator	8
Landfill (open)	52
Landfill (restoration)	21
Metal recycler	138
Multiple activity site*	157
Other treatment plant	55
Pet cemetery/crematorium	7
Transfer station	223
Total	805

*Further breakdown of these sites are the spreadsheet accompanying this report.

The total number of activities in Scotland by Waste Strategy Area is shown in Table 2. This includes a breakdown of the multiple activity sites. As some sites carry out more than one activity, the total in this table is greater than the number of sites in Table 1.

Table 2 Number of activities in Scotland by Waste Strategy Area 2007

Activity	Waste Strategy Area*										
	01	02	03	04	05	06	07	08	09	10	11
Anaerobic digestion plant	-	1	-	1	1	1	-	3	-	-	-
Civic amenity site	5	3	23	24	24	10	10	23	23	29	10
Composting site	-	2	2	4	2	-	2	2	2	4	2
EfW plant / Incinerator	1	-	-	1	2	-	1	2	1	-	-
Landfill (open)	5	2	3	11	8	5	4	9	8	13	4
Landfill (restoration)	1	2	6	3	2	2	1	4	7	4	5
Metal recycler	3	2	9	18	21	17	18	20	26	48	-
Other treatment plant	3	2	8	24	6	7	1	3	16	27	1
Pet cemetery/crematorium	-	-	1	2	2	-	-	-	2	-	-
Transfer station	8	13	29	49	40	24	21	51	23	62	11

*Waste Strategy Area:

01 – Orkney & Shetland
 02 – Western Isles
 03 – Highland
 04 – North East
 05 – Tayside
 06 – Forth Valley

07 – Fife
 08 – Lothian & Borders
 09 – Ayrshire, Dumfries & Galloway
 10 – Glasgow & Clyde Valley
 11 – Argyll & Bute

4. Capacity of operational waste management sites in Scotland 2007

The licensed/permitted annual capacities of the operational waste management sites in Scotland in 2007 are shown in Table 3. In order for capacity figures to be meaningful, a comparison must be made with the quantities of waste accepted per year. This is also shown in Table 3.

Table 3 Capacities of and tonnes of waste accepted by operational waste management sites in Scotland by site type 2007

Site type	Annual capacity in 2007 (tonnes)	Quantity of waste accepted in 2007 (tonnes)
Anaerobic digestion plant	4,020	3,866
Civic amenity site	1,177,878	614,524
Composting site	405,756	212,963
EfW plant / Incinerator	1,088,832	182,614
Landfill (open)	12,432,194**	5,125,259
Landfill (restoration)	2,952,949	1,544,171
Metal recycler	1,469,642	846,986
Multiple activity site*	8,585,233	3,490,885
Other treatment plant	1,854,868	834,582
Pet cemetery/crematorium	724	167
Transfer station	10,015,517	3,536,318
Total	39,987,613	16,392,335

*Further details of these sites are in the spreadsheet accompanying this report.

** The Landfill Capacity Report for Scotland 2007 presents a snapshot of the total available remaining capacity for all landfill sites classified as hazardous, non-hazardous or inert as at 31 December 2007.

The licensed/permitted annual capacities and tonnes of waste accepted by sites in each Waste Strategy Area in 2007 are shown in Table 4. A breakdown of this by site type is available in the spreadsheet accompanying this report.

Table 4 Capacities of and tonnes of waste accepted by operational waste management sites in Scotland by Waste Strategy Area 2007

Waste Strategy Area	Annual capacity in 2007 (tonnes)	Quantity of waste accepted in 2007 (tonnes)
01 - Orkney and Shetland	234,879	164,331
02 - Western Isles	215,791	54,968
03 - Highland	1,308,434	565,446
04 - North East	3,845,306	1,899,260
05 - Tayside	2,592,526	1,157,543
06 - Forth Valley	3,265,127	1,150,827
07 - Fife	4,518,208	1,324,672
08 - Lothian and Borders	5,335,894	2,262,876
09 - Ayrshire, Dumfries and Galloway	4,357,887	1,806,166
10 - Glasgow and Clyde Valley	14,130,727	5,899,108
11 - Argyll and Bute	182,834	107,138
Total	39,987,613	16,392,335

Sites accept waste both from within the local authority boundaries and from all over Scotland and beyond, so waste managed within any given Waste Strategy Area does not necessarily correspond to the waste produced within that area.

5. Capacity of non-operational waste management sites in Scotland 2007

The licensed/permitted annual capacities of sites that are permitted, but not yet receiving waste ('non-operational') in 2007 are shown in Table 5. These are sites which have been granted a licence or permit but are not as yet operating for a variety of reasons (e.g. still under construction, or awaiting commissioning).

Table 5 Capacities of non-operational waste management sites in Scotland by site type 2007

Site type	Annual capacity (tonnes) of non-operational sites (2007)
Anaerobic digestion plant	-
Civic amenity site	84,107
Composting site	-
EfW plant / Incinerator	14,000
Landfill	769,999
Metal recycler	44860
Multiple activity site*	165,355
Other treatment plant	441,000
Pet cemetery/crematorium	-
Transfer station	308,039
Total	1,827,360

*Further details of these sites along with a list of closed sites are in the spreadsheet accompanying this report.

6. Data sources and limitations

The data in this report are extracted from SEPA's public register of licensed/permitted sites and from actual returns as supplied by operators of these sites. There have been no estimates applied to the data.

Data on waste inputs to sites holding a waste management licence or relevant pollution prevention and control permit were obtained from licensed/permitted site return forms submitted to SEPA on a quarterly basis. Although checks are made, SEPA cannot be held responsible for any errors contained within the data, nor for commercial decisions taken by operators.

The annual capacity of a site is the quantity of waste that a site is actually licensed or permitted to handle each year. For the majority of sites this information has been obtained directly from the licence/permit. However, in a small number of cases this information is not available.

Facilities that handle waste, but are not specifically licensed or permitted as a waste management facility (eg a paper mill) are not included in the report.

No data is presented here for sites which have planning permission but have not yet applied for, or been issued with, a permit by SEPA.