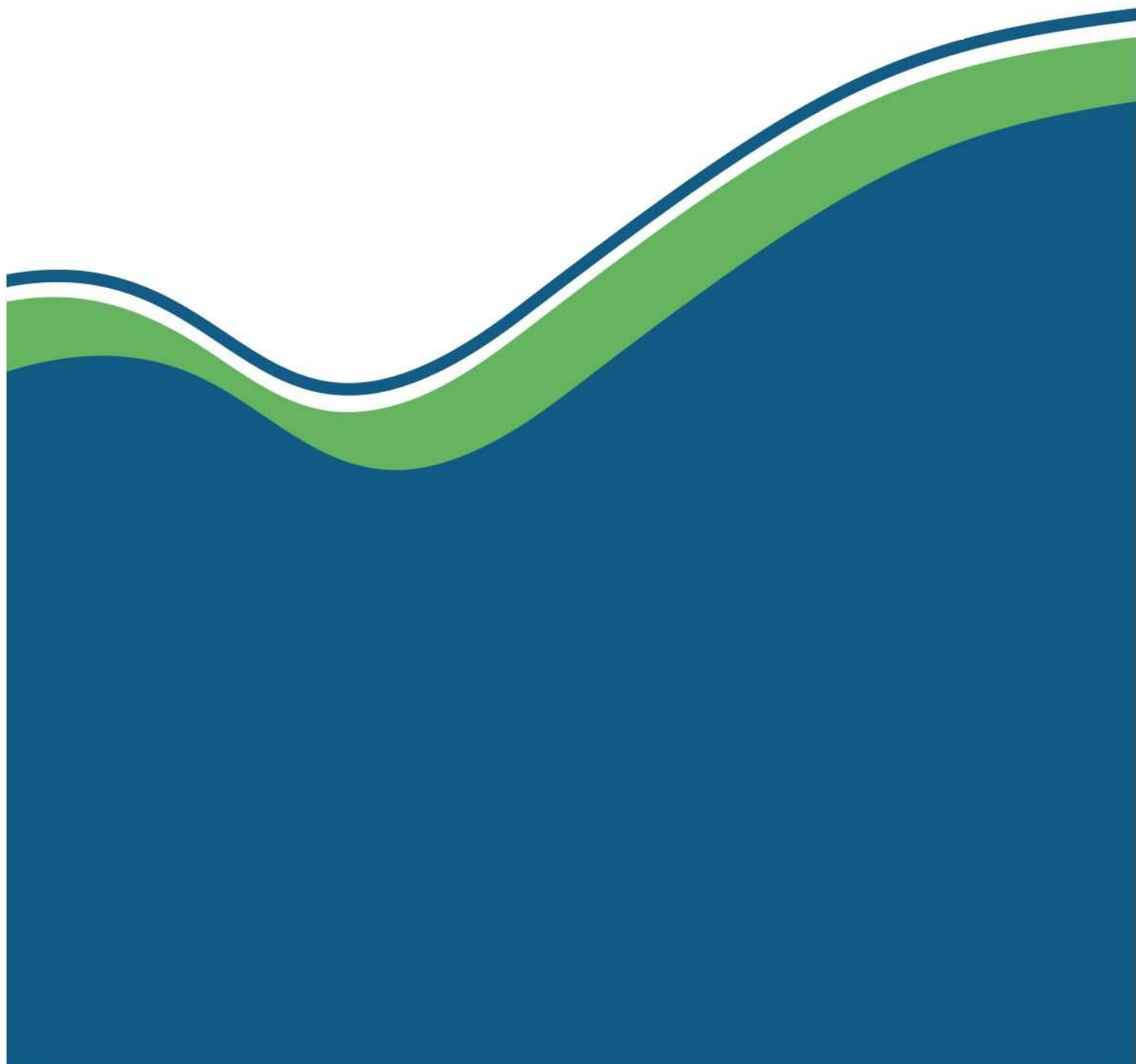


## **Waste sites and capacity report for Scotland 2010**



# Waste sites and capacity report for Scotland - 2010

## Table of Contents

1.	Introduction .....	2
2.	Types of waste management sites.....	2
3.	Number of operational waste management sites in Scotland 2010.....	3
4.	Numbers of waste management activities by local authority 2010 .....	4
5.	Capacity of operational waste management sites in Scotland 2010.....	5
6.	Number and capacity of non-operational waste management sites in Scotland 2010.....	7
7.	Data sources and limitations .....	8
Annex 1: SEPA data re-use statement.....		9

## Tables

Table 1	Total number of operational waste management sites in Scotland by site type (2010) ...	3
Table 2	Total number of operational waste management activities in Scotland by local authority (2010) .....	4
Table 3	Annual capacities and tonnes of waste accepted by operational waste management sites in Scotland by site type (2010) .....	5
Table 4	Annual capacities and tonnes of waste accepted by operational waste management sites in Scotland by local authority (2010) .....	6
Table 5	Total number and capacities of non-operational waste management sites in Scotland by site type (2010).....	7

## 1. Introduction

This paper is intended as a snapshot of waste tonnages accepted at waste management facilities and the available annual capacity of waste management facilities in Scotland in 2010. It presents the numbers and capacities of all waste management sites licensed or permitted by the Scottish Environment Protection Agency (SEPA) and either operational (actively handling waste) or non-operational (not actively handling waste) in calendar year 2010. As one site may have more than one waste management activity, this paper also presents the number of different activities in Scotland in 2010.

Detailed site by site information is available in the waste sites and capacity spreadsheet 2010 that accompanies this report:

[www.sepa.org.uk/waste/waste\\_data/waste\\_site\\_information/waste\\_sites\\_capacity.aspx](http://www.sepa.org.uk/waste/waste_data/waste_site_information/waste_sites_capacity.aspx)

The landfill sites and capacity report for Scotland 2010 presents a snapshot of the amount of waste landfilled and the available remaining capacity for all operational and non-operational landfill sites classified as hazardous, non-hazardous or inert as at 31 December 2010:

[www.sepa.org.uk/waste/waste\\_data/waste\\_site\\_information/landfill\\_sites\\_capacity.aspx](http://www.sepa.org.uk/waste/waste_data/waste_site_information/landfill_sites_capacity.aspx)

A series of maps based on the waste sites and capacity spreadsheet 2010, is available showing existing waste management facilities in Scotland at a national and local authority level:

[www.sepa.org.uk/waste/waste\\_infrastructure\\_maps.aspx](http://www.sepa.org.uk/waste/waste_infrastructure_maps.aspx)

Other waste data information is available on SEPA's website:

[www.sepa.org.uk/waste/waste\\_data.aspx](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 waste management site types:

- Anaerobic digestion plant
- Civic amenity<sup>1</sup>
- Co-incineration
- Composting site
- Incineration
- Landfill
- Metal recycler (includes End of Life Vehicle and Authorised Treatment Facilities)
- Other treatment plant
- Pet cemetery and/or pet crematorium
- Transfer station
- Multiple activity sites

Multiple activity sites are licensed or permitted to carry out two or more waste management activities under one licence or permit. It should be noted that it is not possible to allocate specific capacities or waste tonnages to the separate activities carried out at multiple activity sites. Further details of these sites are in the spreadsheet accompanying this paper.

---

<sup>1</sup> Also known as a recycling centre

### 3. Number of operational waste management sites in Scotland 2010

There were **807** waste management sites in Scotland that handled waste (operational) in 2010. The numbers and types of these sites are shown in Table 1.

**Table 1 Total number of operational waste management sites in Scotland by site type (2010)**

Site type (operational)	Number
Anaerobic digestion plant	4
Civic amenity	129
Civic amenity / composting	3
Civic amenity / landfill (closed)	2
Civic amenity / metal recycler	1
Civic amenity / metal recycler / transfer station / composting / landfill (closed)	1
Civic amenity / transfer station	32
Civic amenity / transfer station / composting	1
Civic amenity / transfer station / composting / anaerobic digestion	1
Civic amenity / transfer station / landfill (closed)	4
Civic amenity / transfer station / other treatment	1
Co-incineration	3
Composting	10
Composting / anaerobic digestion	2
Composting / other treatment	2
Incineration	11
Landfill	39
Landfill / civic amenity	4
Landfill / civic amenity / composting	4
Landfill / civic amenity / other treatment	1
Landfill / civic amenity / transfer station	3
Landfill / civic amenity / transfer station / composting	2
Landfill / composting	4
Landfill / other treatment	2
Landfill / transfer station	3
Landfill / transfer station / composting	1
Landfill / transfer station/ composting / other treatment	1
Landfill / transfer station / other treatment	2
Metal recycler	165
Metal recycler / transfer station	18
Metal recycler / transfer station / other treatment	1
Other treatment	56
Pet cemetery and/or pet crematorium	13
Transfer station	230
Transfer station / anaerobic digestion	4
Transfer station / composting	4
Transfer station / landfill (closed)	4
Transfer station / other treatment	39
<b>Total</b>	<b>807</b>

## 4. Numbers of waste management activities by local authority 2010

Some sites may have more than one waste management activity so it is useful to consider the total number of operational activities in Scotland in 2010. This is shown by local authority in Table 2. The total number of activities in this table (972) is greater than the total number of sites in Table 1 because some sites carry out more than one waste activity.

**Table 2 Total number of operational waste management activities in Scotland by local authority (2010)**

Local authority	Activity										
	Anaerobic digestion	Civic amenity	Co-incineration	Composting	Incineration / co-incineration	Landfill (operational)	Metal recycling	Other treatment	Pet cemetery / crematorium	Transfer station	Total
Aberdeen	-	4	-	-	-	1	4	12	1	15	37
Aberdeenshire	2	15	-	5	-	7	9	16	1	24	79
Angus	1	8	-	1	1	5	5	2	-	12	35
Argyll & Bute	-	10	-	3	-	5	2	4	-	9	33
Clackmannanshire	-	1	-	-	-	-	1	1	-	2	5
Dumfries & Galloway	-	11	1	1	1	4	10	6	-	10	44
Dundee	-	6	-	1	1	-	9	2	-	11	30
East Ayrshire	-	1	-	2	-	1	8	2	1	7	22
East Dunbartonshire	-	1	-	1	-	-	1	2	-	4	9
East Lothian	-	6	-	2	1	3	3	-	-	8	23
East Renfrewshire	-	2	-	-	-	1	-	1	-	4	8
Edinburgh	2	6	-	2	-	-	7	-	-	11	28
Eilean Siar	1	4	-	2	-	1	2	2	-	12	24
Falkirk	1	3	-	-	-	4	12	5	-	17	42
Fife	-	11	1	3	-	3	18	4	4	20	64
Glasgow	-	4	-	1	-	1	13	4	-	20	43
Highland	1	23	-	2	1	4	10	8	1	31	81
Inverclyde	-	2	-	-	-	-	2	-	-	4	8
Midlothian	-	1	-	-	1	2	5	-	-	5	14
Moray	-	5	-	-	-	1	3	-	1	7	17
North Ayrshire	-	5	1	1	2	2	5	7	-	14	37
North Lanarkshire	1	6	-	1	-	2	14	6	-	16	46
Orkney Islands	-	5	-	-	-	2	2	3	-	5	17
Perth & Kinross	1	10	-	2	-	2	6	3	2	21	47
Renfrewshire	-	6	-	1	1	1	6	4	-	10	29
Scottish Borders	-	7	-	-	1	2	3	1	1	8	23
Shetland Islands	-	1	-	-	1	1	2	3	-	4	12
South Ayrshire	-	4	-	-	-	2	3	1	-	3	13
South Lanarkshire	-	6	-	3	-	3	11	3	1	11	38
Stirling	-	5	-	-	-	2	3	1	-	7	18
West Dunbartonshire	-	4	-	1	-	2	3	-	-	4	14
West Lothian	1	6	-	1	-	2	4	2	-	16	32
<b>Scotland</b>	<b>11</b>	<b>189</b>	<b>3</b>	<b>36</b>	<b>11</b>	<b>66</b>	<b>186</b>	<b>105</b>	<b>13</b>	<b>352</b>	<b>972</b>

## 5. Capacity of operational waste management sites in Scotland 2010

The annual licensed/permitted capacities of the operational waste management sites in Scotland in 2010 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 Annual capacities and tonnes of waste accepted by operational waste management sites in Scotland by site type (2010)**

Site type (operational)	Annual capacity in 2010 (tonnes)	Waste accepted in 2010 (tonnes)
Anaerobic digestion plant	54,580	20,036
Civic amenity	1,093,887	526,326
Civic amenity / composting	62,799	26,107
Civic amenity / landfill (closed)	26,999	10,045
Civic amenity / metal recycler *	1,000	1,081
Civic amenity / metal recycler / transfer station / composting / landfill (closed)	24,999	11,628
Civic amenity / transfer station	2,119,552	646,073
Civic amenity / transfer station / composting	16,500	9,946
Civic amenity / transfer station / composting / anaerobic digestion	40,000	11,799
Civic amenity / transfer station / landfill (closed)	16,972	9,306
Civic amenity / transfer station / other treatment	92,000	55,678
Co-incineration	327,000	188,286
Composting	251,206	114,419
Composting / anaerobic digestion **	39,000	117,452
Composting / other treatment	97,631	18,825
Incineration	317,642	128,335
Landfill	9,530,896	3,399,420
Landfill / civic amenity	183,356	67,859
Landfill / civic amenity / composting	782,000	389,631
Landfill / civic amenity / other treatment	26,000	10,680
Landfill / civic amenity / transfer station	384,000	120,832
Landfill / civic amenity / transfer station / composting	100,750	61,311
Landfill / composting	899,950	478,691
Landfill / other treatment	125,000	38,233
Landfill / transfer station	240,000	113,454
Landfill / transfer station / composting	20,515	16,176
Landfill / transfer station / composting / other treatment	150,000	145,690
Landfill / transfer station / other treatment	119,998	99,329
Metal recycler	2,247,204	1,200,813
Metal recycler / transfer station	471,988	190,856
Metal recycler / transfer station / other treatment	87,000	2,132
Other treatment **	2,923,630	2,937,650
Pet cemetery and/or pet crematorium	1,870	375
Transfer station	11,824,375	3,724,271
Transfer station / anaerobic digestion	275,900	125,453
Transfer station / composting	261,199	178,906
Transfer station / landfill (closed)	242,499	5,634
Transfer station / other treatment	2,529,148	763,390
<b>Total</b>	<b>38,009,045</b>	<b>15,966,129</b>

\* Annual tonnage capacity has exceeded capacity of site. Details of these sites are in the spreadsheet accompanying this paper

\*\*Annual tonnage exceeds capacity because one site has input tonnage, but no capacity information is available

The annual licensed/permitted capacities and tonnes of waste accepted by sites in each local authority in 2010 are shown in Table 4. A breakdown of this by site type is available in the spreadsheet accompanying this report.

**Table 4 Annual capacities and tonnes of waste accepted by operational waste management sites in Scotland by local authority (2010)**

Local authority	Operational sites	
	Annual capacity in 2010 (tonnes)	Waste accepted in 2010 (tonnes)
Aberdeen	1,149,695	653,885
Aberdeenshire	2,366,799	755,387
Angus	912,517	301,931
Argyll & Bute	187,979	110,474
Clackmannanshire	19,950	13,819
Dumfries & Galloway	1,277,119	361,854
Dundee	590,238	229,348
East Ayrshire	564,369	285,425
East Dunbartonshire	500,342	135,293
East Lothian	1,516,613	653,390
East Renfrewshire	236,099	50,178
Edinburgh	825,573	437,014
Eilean Siar	153,202	52,208
Falkirk	2,861,435	1,147,525
Fife	3,471,351	1,361,720
Glasgow	6,146,440	3,684,103
Highland	984,363	322,589
Inverclyde	111,360	49,141
Midlothian	1,023,046	254,169
Moray	438,657	169,215
North Ayrshire	1,732,316	672,716
North Lanarkshire	3,330,169	918,414
Orkney Islands	50,079	30,298
Perth & Kinross	1,154,511	544,589
Renfrewshire	1,050,668	445,318
Scottish Borders	547,363	121,245
Shetland Islands	185,680	54,746
South Ayrshire	602,723	341,742
South Lanarkshire	1,932,233	940,674
Stirling	386,423	183,432
West Dunbartonshire	612,597	243,217
West Lothian	1,087,136	441,069
<b>Total</b>	<b>38,009,045</b>	<b>15,966,129</b>

## 6. Number and capacity of non-operational waste management sites in Scotland 2010

There were **71** waste management sites in Scotland that did not actively handle waste ('non-operational') in 2010. The types and annual capacities of these sites are shown in Table 5. These sites are not operating for a variety of reasons (e.g. they may still be under construction, or be awaiting commissioning).

**Table 5 Total number and capacities of non-operational waste management sites in Scotland by site type (2010)**

Site type (non-operational)*	Number	Annual capacity in 2010 (tonnes)
Anaerobic digestion	1	6,000
Civic amenity / transfer station / landfill (closed)	1	1,150
Co-incineration	1	14,000
Composting	1	25,000
Composting / anaerobic digestion	1	1,150
Incineration	1	24,400
Landfill (not operational)	5	820,000
Metal recycler	14	48,406
Metal recycler / transfer station	1	24,300
Other treatment	12	155,955
Pet cemetery and/or pet crematorium	1	250
Transfer station	27	717,695
Transfer station / anaerobic digestion	2	23,500
Transfer station / other treatment	3	103,199
<b>Total</b>	<b>71</b>	<b>1,965,005</b>

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



## 7. Data sources and limitations

The data in this paper are extracted from SEPA's public register of licensed/permitted sites and from information supplied by site operators. Site operators are required to make returns to SEPA detailing the types and quantities of waste handled at their site. The data are reported to SEPA on a quarterly basis using the licensed/permitted site return form, from sites holding a waste management licence or relevant Pollution Prevention and Control permit.

This paper and the accompanying spreadsheet contain a list of sites regulated under a waste management licence or a Pollution Prevention and Control permit (Part A - Chapter 5 and Section 6.8b sites only). Facilities that handle waste, but that not specifically licensed or permitted as a waste management facility (eg a paper mill), are not included.

Mobile plant have not been included in this paper as it is not possible to provide a complete breakdown of capacity and tonnages handled. Licensed mobile plant are, however, listed in the spreadsheet accompanying this paper.

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 and has been marked as n/a in the spreadsheet accompanying this paper.

It is not possible to allocate specific capacities or waste tonnages to the separate activities carried out at multiple activity sites.

This paper and the accompanying spreadsheet contain no data on sites which have planning permission but have not yet applied for, or been issued with, a licence/permit by SEPA.

The definitions of site types and activities are based on current information and are correct to the best of our knowledge. We are continually working to improve the accuracy of this information.

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

Any minor differences in the tonnage totals within and between this report and the accompanying spreadsheet are due to rounding errors.

Although checks are made, SEPA cannot be held responsible for any errors contained within the data, nor for commercial decisions taken by operators. Where no licensed/permitted site return form has been received, no estimates have been applied to the missing data.

October 2011

## Annex 1: SEPA data re-use statement



### Scottish Environment Protection Agency Conditions on using our information

#### General

There are some conditions on the use of our information. These are set out in this notice. Please make sure you also comply with any specific conditions or guidance that we supply with our information.

Nothing in this notice affects your statutory rights to access information that we hold.

'Our information' means any information and the associated intellectual property rights owned by SEPA. It does not include information owned by a 'third party'. SEPA is not responsible for this information. 'Third party' means any individual or organisation that supplies information to SEPA.

If you have our written permission to provide information to others, you must always:

- ☐ copy the information exactly (or extracts of the information)
- ☐ attach a copy of this notice (the recipients must also comply with this notice)
- ☐ acknowledge SEPA as the owner by adding 'The Scottish Environment Protection Agency reserves all copyright and database rights' and the year of first publication (or the current year if this is not available).

#### Personal use

You may use our information for your own private use, including copying. You may give away copies of our information, provide you are not doing this for commercial or other financial reasons, and you comply with the conditions elsewhere in this notice.

#### Not-for-profit organisations

You have the same rights as 'personal use' above. This includes using the information within your organisation. If you supply this information to others, you may charge a fee to recover your costs, as permitted by the Environmental Information Regulations or Freedom of Information Act.

#### Commercial use

You may copy our information for internal use. You may not provide that information outwith your organisation without our written permission. There will usually be an additional charge.

If you are a professional adviser, you may give a single copy of our information to your client (or clients, if they jointly instruct you).

#### Other use

This notice sets out various ways in which you can use our information. If you want to do anything not covered in the notice, you must have our written permission first. Examples of 'other use' include publishing on the internet or using it to promote a commercial service.

#### Ownership

Any information that we supply to you will continue to be owned by either SEPA or a third party.

You will generally need written permission from the owners of third party data before you can use it. This may include information contained in our public register, some of which is supplied by third parties. It is your responsibility to check you have the right permissions.

#### Charges

If we have told you that there is a fee for the information, you must pay this before we respond to your request. If you want to cancel your request and have your fee refunded, you can only do this up until the point that we start work on meeting your request.

#### Content, quality and security

While we take reasonable care to ensure our information is accurate, complete, valid and up to date, we cannot guarantee this.

If you have asked for the information in an electronic format, we can not guarantee that it will be free of defects. It is your responsibility to check for viruses etc.

It is your responsibility to check that the data you request meets your needs.

#### Further information

If you wish to use our information for any purposes other than those indicated in this notice, please contact the Information Management Unit at SEPA.

Email: [dataenquiries@sepa.org.uk](mailto:dataenquiries@sepa.org.uk)

Information Management Unit  
SEPA  
Erskine Court  
The Castle Business Park  
Stirling  
FK9 4TR

SEPA Standard Information Notice – March 2006