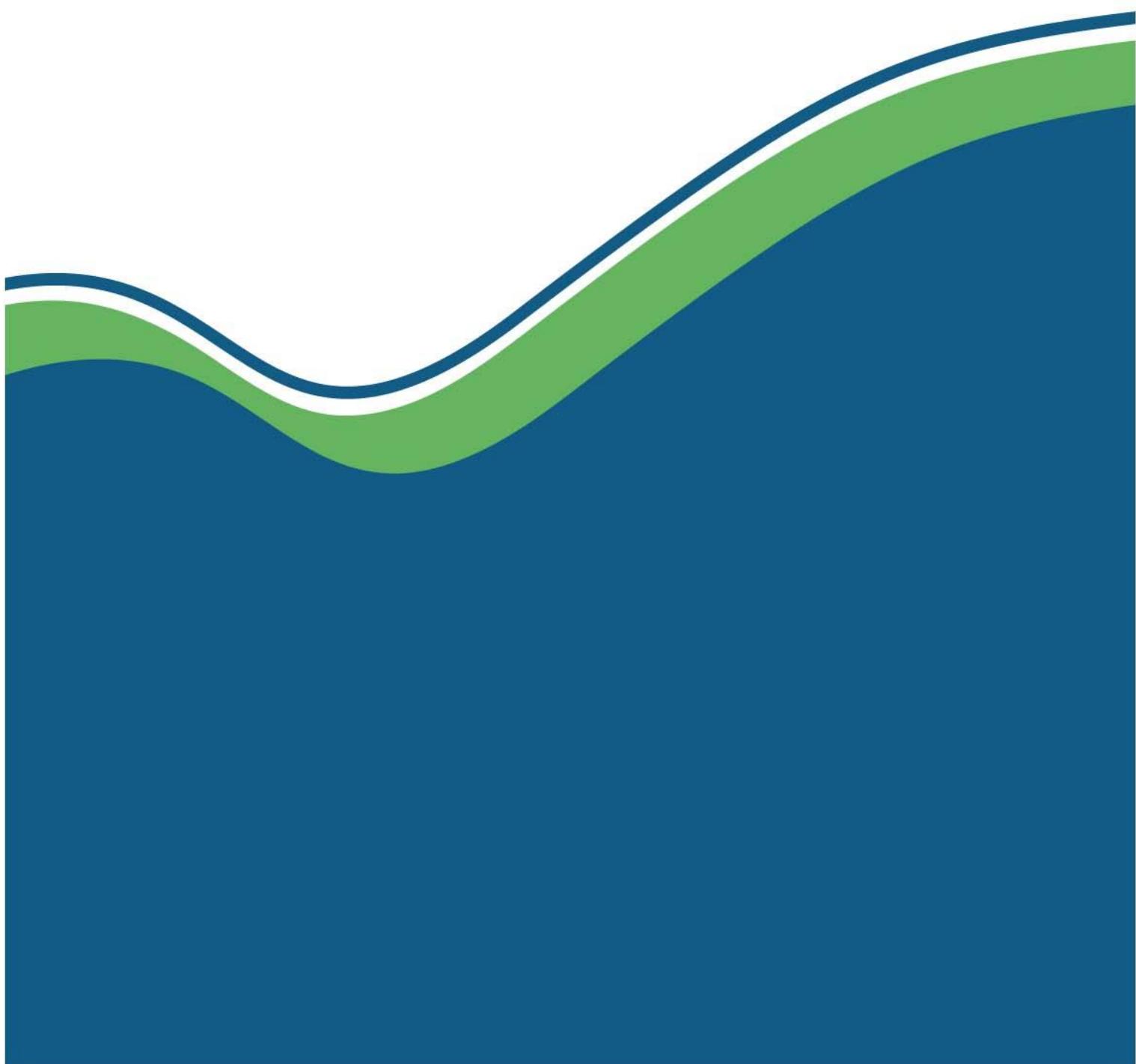


Waste sites and capacity report for Scotland 2012



Waste sites and capacity report for Scotland - 2012

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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 2012. 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 2012. As one site may have more than one waste management activity, this paper also presents the number of different activities in Scotland in 2012.

Detailed site by site information is available in the waste sites and capacity spreadsheet 2012 that accompanies this report:

www.sepa.org.uk/waste/waste_data/waste_site_information/waste_sites_capacity.aspx

The landfill sites and capacity report for Scotland 2012 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 2012:

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 2012, 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

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

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 amenity¹
- 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.

¹ Also known as a recycling centre

3. Number of operational waste management sites in Scotland 2012

There were 805 waste management sites in Scotland that handled waste (operational) in 2012. 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 (2012)

Site type (operational)	Number
Anaerobic digestion plant	3
Civic amenity	124
Civic amenity / composting	6
Civic amenity / composting / landfill (closed)	1
Civic amenity / composting / landfill (not operational)	1
Civic amenity / landfill (closed)	2
Civic amenity / other treatment	1
Civic amenity / transfer station	32
Civic amenity / transfer station / composting	1
Civic amenity / transfer station / composting / anaerobic digestion	1
Civic amenity / transfer station / composting / landfill (closed)	1
Civic amenity / transfer station / landfill (closed)	5
Civic amenity / transfer station / other treatment	2
Co-incineration	3
Composting	10
Composting / anaerobic digestion	2
Composting / other treatment	3
Incineration	9
Landfill	32
Landfill / civic amenity	1
Landfill / civic amenity / composting	2
Landfill / civic amenity / composting / other treatment	2
Landfill / civic amenity / other treatment	2
Landfill / civic amenity / transfer station	4
Landfill / civic amenity / transfer station / composting	2
Landfill / composting	2
Landfill / other treatment	6
Landfill / transfer station	3
Landfill / transfer station / composting	2
Landfill / transfer station/ composting / other treatment	2
Landfill / transfer station / other treatment	1
Metal recycler	159
Metal recycler / transfer station	20
Metal recycler / transfer station / other treatment	1
Other treatment	62
Other treatment / landfill (not operational)	1
Pet cemetery and/or pet crematorium	10
Transfer station	232
Transfer station / anaerobic digestion	4
Transfer station / composting	5
Transfer station / landfill (closed)	3
Transfer station / other treatment	39
Transfer station / other treatment / landfill (closed)	1
Total	805

4. Number of waste management activities in Scotland 2012

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 2012. This is shown by local authority in Table 2. The total number of activities in this table (990) 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 region (local authority) (2012)

Region (local authority)	Activity										Total
	Anaerobic digestion	Civic amenity	Co-incineration	Composting	Incineration	Landfill (operational)	Metal recycling	Other treatment	Pet cemetery / crematorium	Transfer station	
Aberdeen		4				1	4	13	1	17	40
Aberdeenshire	2	15		5		6	9	16	1	24	78
Angus	1	7		1		5	4	2		12	32
Argyll & Bute		9		4		5	2	5		12	37
Clackmannanshire		1					1	1		3	6
Dumfries & Galloway	11	1	1	1	1	10	6			11	42
Dundee		6		1	1		8	1		12	29
East Ayrshire		3		2		1	6	2	1	9	24
East Dunbartonshire		1		1			1	2		4	9
East Lothian		6		2	1	3	3		1	6	22
East Renfrewshire		2				1	1	1		4	9
Edinburgh	1	5		2			7			10	25
Eilean Siar	1	6		2		1	2	1		12	25
Falkirk	1	3		1		4	13	5		18	45
Fife		11	1	3		3	16	7	3	23	67
Glasgow		4				1	14	5		19	43
Highland	1	24		4	1	3	10	11	1	35	90
Inverclyde		2					4			4	10
Midlothian		2			1	1	3	1		5	13
Moray		6		1		1	4			6	18
North Ayrshire	1	5	1	1	1	2	3	6		11	31
North Lanarkshire	1	8		1		2	12	11		17	52
Orkney Islands		5				2	2	3		5	17
Perth & Kinross	1	8		2		2	7	4		15	39
Renfrewshire		6		1	1	2	5	5		12	32
Scottish Borders		6			1	2	4	4	1	9	27
Shetland Islands		1			1	2	2	4		3	13
South Ayrshire		4				2	2	1		4	13
South Lanarkshire		6		4		4	9	3	1	13	40
Stirling		4		1			3	1		7	16
West Dunbartonshire		3		1		2	3			6	15
West Lothian		6		2		2	6	2		13	31
Scotland	10	190	3	43	9	61	180	123	10	361	990

5. Capacity of operational waste management sites in Scotland 2012

The annual licensed/permitted capacities of the operational waste management sites in Scotland in 2012 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 (2012)

Site type (operational)	Annual capacity in 2012 (tonnes)	Waste accepted in 2012 (tonnes)
Anaerobic digestion plant	125,000	62,730
Civic amenity	1,032,992	458,581
Civic amenity / composting	142,799	95,429
Civic amenity / composting / landfill (closed)	300,000	15,769
Civic amenity / composting / landfill (not operational)	55,249	20,612
Civic amenity / landfill (closed)	48,310	2,539
Civic amenity / other treatment	4,999	2,494
Civic amenity / transfer station	2,114,363	806,306
Civic amenity / transfer station / composting	16,500	13,926
Civic amenity / transfer station / composting / anaerobic digestion	40,000	11,684
Civic amenity / transfer station / composting / landfill (closed)	24,999	11,195
Civic amenity / transfer station / landfill (closed)	81,897	19,605
Civic amenity / transfer station / other treatment	93,000	51,983
Co-incineration	327,000	252,346
Composting	297,206	123,353
Composting / anaerobic digestion *	39,000	172,884
Composting / other treatment	101,631	13,965
Incineration	269,615	106,010
Landfill	7,926,398	2,850,473
Landfill / civic amenity	122,000	49,881
Landfill / civic amenity / composting	335,000	166,174
Landfill / civic amenity / composting / other treatment	685,000	312,266
Landfill / civic amenity / other treatment	256,400	105,017
Landfill / civic amenity / transfer station	89,045	34,832
Landfill / civic amenity / transfer station / composting	100,750	52,504
Landfill / composting	399,950	166,053
Landfill / other treatment	2,067,499	472,988
Landfill / transfer station	264,999	175,547
Landfill / transfer station / composting	270,515	156,602
Landfill / transfer station/ composting / other treatment	274,999	165,819
Landfill / transfer station / other treatment *	74,999	77,958
Metal recycler	2,420,474	1,142,062
Metal recycler / transfer station	504,183	227,404
Metal recycler / transfer station / other treatment	87,000	2,532
Other treatment	13,985,026	4,368,928
Other treatment / landfill (not operational) **	415,000	-
Pet cemetery and/or pet crematorium	1,912	293
Transfer station	10,923,821	3,632,501
Transfer station / anaerobic digestion	219,320	79,550
Transfer station / composting	298,099	294,223
Transfer station / landfill (closed)	167,499	3,764
Transfer station / other treatment	2,473,706	969,198
Transfer station / other treatment / landfill (closed)	1,128,400	44,286
Total	50,606,554	17,792,266

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

**No annual tonnage as returns were not received

The annual licensed/permitted capacities and tonnes of waste accepted by sites in each local authority in 2012 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 region (local authority) (2012)

Region (local authority)	Operational sites	
	Annual capacity in 2012 (tonnes)	Waste accepted in 2012 (tonnes)
Aberdeen	1,314,694	574,715
Aberdeenshire	2,301,499	983,053
Angus	919,566	289,289
Argyll & Bute	224,580	109,868
Clackmannanshire	24,950	14,763
Dumfries & Galloway	1,246,729	380,482
Dundee	741,438	224,006
East Ayrshire	722,980	282,885
East Dunbartonshire	503,372	144,365
East Lothian	1,419,863	542,707
East Renfrewshire	230,819	70,511
Edinburgh	812,515	446,919
Eilean Siar	194,202	46,093
Falkirk	2,972,467	1,375,165
Fife	4,695,707	2,812,443
Glasgow	4,026,946	3,539,561
Highland	1,253,542	362,647
Inverclyde	116,260	40,102
Midlothian	603,598	239,119
Moray	368,627	149,316
North Ayrshire	1,521,191	794,195
North Lanarkshire	4,518,868	903,002
Orkney Islands	64,559	33,817
Perth & Kinross	1,070,047	653,368
Renfrewshire	1,158,848	656,467
Scottish Borders	584,365	162,012
Shetland Islands	11,984,740	66,142
South Ayrshire	623,748	256,120
South Lanarkshire	2,124,343	816,004
Stirling	448,713	113,960
West Dunbartonshire	686,198	280,799
West Lothian	1,126,580	428,371
Total	50,601,554	17,792,266

6. Number and capacity of non-operational waste management sites in Scotland 2012

There were 96 waste management sites in Scotland that did not actively handle waste ('non-operational') in 2012. 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 (2012)

Site type (non-operational)*	Number	Annual capacity in 2012 (tonnes)
Anaerobic digestion	1	6,000
Civic amenity	4	29,838
Civic amenity / transfer station / landfill (closed)	2	2,750
Co-incineration	3	606,000
Composting / anaerobic digestion	1	1,150
Incineration	3	372,352
Incineration / other treatment	1	60,000
Landfill (not operational)	8	1,094,998
Landfill (not operational / other treatment)	1	150,000
Metal recycler	21	64,796
Other treatment	9	406,909
Pet cemetery and/or pet crematorium	2	157
Transfer station	33	842,959
Transfer station / anaerobic digestion	2	31,500
Transfer station / landfill (closed)	1	75,000
Transfer station / other treatment	3	50,999
Total	95	3,795,408

* 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/permited 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/permited site return form, from sites holding a waste management licence or relevant Pollution Prevention and Control permit.

SEPA received 89% return rate for 2012.

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 are 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/permited site return form has been received, no estimates have been applied to the missing data.

DRAFT

Annex 1: SEPA data re-use statement



Terms and Conditions of Use of Data

1. General

- 1.1 These Terms and Conditions set out the ways in which You can and cannot use Data (as defined below).
- 1.2 By using Our Data You accept these Terms and Conditions.
- 1.3 If you want to use Data for any purpose not permitted expressly by these Terms and Conditions You will need a written licence from Us or a Third Party first, and charges will normally apply.
- 1.4 These Terms and Conditions do not affect Your statutory rights.

2. Defined Terms

- 2.1 The meanings of defined terms used in these Terms and Conditions are set out in the Schedule.
- 2.2 The Schedule is deemed to be incorporated in and to form part of these Terms and Conditions.

3. Ownership

All Data We supply to You is and will continue to be owned by Us or a Third Party.

4. Prohibition on Commercial Use and other specified uses

Notwithstanding any other provision of these Terms and Conditions, You are prohibited from using Data for Commercial Use or any other Prohibited Use.

5. Licence to use Our Data

Subject to the other provisions of these Terms and Conditions We grant You a non-exclusive, non-transferable, perpetual, royalty-free, world-wide licence to use Our Data for Non-Commercial Use.

6. Third Party Data

- 6.1 Data may contain or be derived in whole or in part from Third Party Data.
- 6.2 We will endeavour to inform You at the time of supply of Data if any Third Party Data is involved, but We do not accept any liability for any failure to provide such notice
- 6.3 These Terms and Conditions do not give You any right to use Third Party Data for any purpose whatsoever.
- 6.4 If You want to use Third Party Data for any purpose You will need a separate written licence from Us or the Third Party first.
- 6.5 We can only grant licences to use Third Party Data to the extent permitted under, and in terms which are compliant with, SEPA's Licence.

7. Copyright Acknowledgement

- 7.1 In respect of any permitted use of Our Data You must acknowledge the source of the Data by including the following statement: "Contains SEPA data © Scottish Environment Protection Agency and database right [year]. All rights reserved".

**This should be: the year of receipt in the case of digital data; and the year of publication in the case of paper data.*

- 7.2 In respect of any permitted use of Third Party Data You must acknowledge the source of the Data by way of sufficient acknowledgement in such manner as We or the relevant Third Party may require.

8. Notice

In respect of any permitted use of Data involving the provision of Data to others You must attach a copy of or a link to these Terms and Conditions, ensure that they are effectively brought to the recipient's attention and ensure that the recipient also complies with them.

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In respect of any permitted use of Data You must ensure that You use it accurately and that You do not use it in a manner that is or may be misleading to others.

10. Data Protection

If Data contains any personal information (as defined in the Data Protection Act 1998 (as amended)) You must ensure that Your use of the Data is does not breach that Act.

11. Charges

- 11.1 We reserve the right to charge for Commercial Use of Our Data. Such charges will be charges which We are entitled to make pursuant to our statutory powers, duties or functions.
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- 12.1 We will take reasonable care to ensure that Data is an accurate copy from Our records at the time it is made available to you.
- 12.2 We do not guarantee that Data made available to You is or will be accurate, complete, up to date or valid, free from defects, viruses or malicious or damaging code, or fit or suitable for Your purposes or needs. It is Your responsibility to check and satisfy yourself in respect of these matters.
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13. Exclusion of Warranties and Liability

- 13.1 We exclude any warranties, and representations in relation to the Data or its use to the fullest extent permitted by law.
- 13.2 We exclude liability for any loss, injury or damage of any kind caused by the Data or its use to the fullest extent permitted by law.

14. Publication of and Changes to these Terms and Conditions

- 14.1 These Terms and Conditions (as they may be changed by variation, amendment or replacement from time to time) will be published on our website.
- 14.2 We reserve the right to make changes to these Terms and Conditions at any time without notice and such changes will be effective immediately.
- 14.3 Your continued use of the Data after publication of such changes will amount to deemed acceptance of the changed Terms and Conditions.
- 14.4 We recommend that you check our website on a regular basis for changes to these Terms and Conditions.

15. Further information

If you require further information about the use of any Data for any purpose not permitted expressly by these Terms and Conditions, please contact:- dataenquiries@sepa.org.uk or Information Management Unit, SEPA, Erskine Court, The Castle Business Park, Stirling, FK9 4TR

SCHEDULE

(MEANINGS OF DEFINED TERMS USED IN THESE TERMS AND CONDITIONS)

Commercial Use means use other than for Non-Commercial Use and includes (without limitation) using Data by way of or in the context of:- (1) offering or providing goods or services for a charge; (2) offering or providing goods or services for a direct or indirect commercial purpose or advantage; (3) re-selling it; (4) giving advice based on it; (5) charging for advertising space; (6) gaining goodwill with clients or customers by providing free or not-for-profit goods or services; and (7) activities leading or intended to lead to the generation of revenues;

Contractor means a contractor, sub-contractor or consultant carrying out work directly for You;

Data means data, documents or information made available by Us (or any part of it);

Derived Data means data created using, or which incorporates, any part of the Data or is based upon the Data;

Fair Dealing means fair dealing (within the meaning of the Copyright Designs and Patents Act 1988 (as amended)) for the purposes of:- (1) research for a non-commercial purpose (if accompanied by sufficient acknowledgement); (2) private study; (3) criticism or review (if accompanied by sufficient acknowledgement); (4) reporting current events;

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not intended directly or indirectly to: (a) lead to, support or otherwise relate to, the generation of revenues in excess of the direct costs of those activities, whether at the time of use or at some future time; or (b) facilitate, influence or determine (in whole or in part) the outcome of any assessment, analysis or process (or any part of them) in a manner which may affect such revenues (or any part of them) or the levels at or basis upon which they are generated;

Internal Business Use means using Data within an organisation to support that organisation's activities in a manner which does not involve or result in:- (1) Data leaving the organisation (other than it being passed to a Contractor who is effectively taken bound by You to comply with these Terms and Conditions); (2) The licence or supply to any Third Party of any Derived Data;

Our Data means Data and associated intellectual property rights owned by Us and excludes Third Party Data;

Prohibited Use means Using Data by way of or in the context of: (1) any Commercial Use; (2) copying it for any Third Party; (3) printing it (or any part of it) in hard copy form for any Third Party; (4) passing, distributing or sharing it or copies of it to or with any Third Party; (5) publishing it or making it available to the public by the internet or any other means; (6) reverse-engineering it; (7) using it for any illegal or immoral purpose or in any manner which might prejudice the name or reputation of SEPA or SEPA's Licensors;

Schedule means the schedule to these Terms and Conditions;

SEPA means the Scottish Environment Protection Agency, Erskine Court, Castle Business Park, Stirling, FK9 4TR;

SEPA's Licence means the licence or licences (if any) under which SEPA holds Data or any part of it;

SEPA's Licensors means the licensors under SEPA's Licence;

These Terms and Conditions means these terms and conditions as they may be changed from time to time;

Third Party means a party other than SEPA or You;

Third Party Data means Data and associated intellectual property rights owned by a Third Party;

Us and We means SEPA; and **Our** shall be construed accordingly;

You means any User of Data; and **Your** shall be construed accordingly