

Application for an environmental permit:

Part B4 – New bespoke waste operation permit

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| <p>Fill in this part of the form, together with parts A, B2 and F1, if you are applying for a new bespoke permit for a waste operation.</p> <p>Please check that this is the latest version of the form available from our website.</p> <p>Please read through this form and the guidance notes that came with it. All relevant guidance documents can be found on our website.</p> | <p>Contents</p> <p>1 About your activities</p> <p>2 Emissions to air, water and land</p> <p>3 Operating techniques</p> <p>4 Monitoring</p> <p>Appendix 1 – Specific questions for waste facilities that accept clinical waste</p> <p>Appendix 2 – Specific questions for waste facilities that accept hazardous waste</p> <p>Appendix 3 – Specific questions for the recovery to land for agricultural benefit of compost like outputs from the treatment of mixed municipal solid wastes</p> <p>Appendix 4 – Specific questions for inert landfill</p> |
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1 About your activities

1a Tell us about the activities you want to do

Fill in Table 1a below with details of the waste activities (operations) you are applying for.

Fill in a separate table for each waste operation you are applying for. Use a separate sheet if you have a long list and send it to us with your application form.

Tell us the document reference.

Document reference

Notes to help you complete Table 1a:

1 This is the type of activity you want to do. For example, household, commercial and industrial waste transfer or in-vessel composting.

2 Use the description from the guidance. Include any extra detail that you think would help to accurately describe what you want to do.

3 The R (recovery) and D (disposal) codes are as set out in Annex I and/or Annex II of the European Waste Framework Directive (as amended).

4 By 'capacity', we mean:

- the total landfill capacity (cubic metres) for landfills
- the total treatment capacity (tonnes each day) for waste treatment
- the total storage capacity (tonnes) for waste storage operations.

5 By 'total storage capacity', we mean the maximum amount of waste, in tonnes, you are able to store on the site at any one time.

| Table 1a – Waste operations which do not form part of an installation | | | | |
|---|--|---|---|---|
| Waste operation name (See note 1) | Description of the waste operation (See note 2) | Annex I or Annex II (disposal and recovery) codes (See note 3) | Hazardous waste treatment capacity (if this applies). (See note 4) | Non-hazardous waste treatment capacity (if this applies). (See note 4) |
| Transfer of Waste: Household, Commercial and Industrial. | The treatment of inert construction and demolition waste, by crushing, screening and blending to produce topsoil and recycled aggregates. | R5 | N/A | 30,000 |
| Transfer of Waste: Household, Commercial and Industrial. | The treatment by shredding and screening of treated and untreated wood for the production of wood chip for biomass. | R3 | N/A | 30,000 |
| Transfer of Waste: Household, Commercial and Industrial. | The sorting of household and commercial skip waste into waste streams to enable recycling of waste streams and volume reduction of the overall waste stream. | R5 | N/A | 30,000 |
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| | | | | |
| For all waste operations | Total storage capacity of non-hazardous waste (see note 5) | Total storage capacity of hazardous waste (see note 5) | | Total annual throughput (tonnes each year) |
| | 30,000 | | | 75,000 |

1b What waste types do you want to accept?

For each line in Table 1a, fill in a separate document to list those types of waste you will accept onto site for that activity. Give the List of Wastes catalogue code and description.

If you need to exclude wastes from your activity or facility by restricting the description, quantity, physical nature, hazardous properties, composition or characteristic of the waste, include these in the document. Send it to us with your application form.

If you want to accept any waste with a code ending in 99, you must provide more information and a full description in the document.

You can use Table 1b as a template. Please provide the reference for each document.

Document references

CH015 – Crownhill Topsoil List of Wastes Accepted

| Table 1b – Template example: types of waste accepted and restrictions | |
|---|--|
| Waste code | Description of waste |
| Example | Example |
| 02 01 08* | Agrochemical waste containing dangerous substances |
| 06 01 02* | Hydrochloric acid |

1c Deposit for recovery purposes (see guidance notes on part B4)

1c1 Are you applying for a waste recovery activity involving the permanent deposit of waste in or on land, for construction, restoration or land reclamation?

No ☒ *Go to section 2*

Yes ☐

1c2 Have we confirmed that we believe the activity is waste recovery?

No ☐ *We recommend you confirm the activity is recovery with us, before you apply.*

Yes ☐

1c3 Have there been any changes to your proposal since the pre-application discussion?

No ☐

Yes ☐ *We recommend you confirm the effect of changes with us, before you apply.*

1c4 Please send us a copy of your waste recovery plan that complies with Regulatory Guidance Note 13. You must highlight any changes you have made since we last assessed the plan (if relevant).

Document reference

2 Emissions to air, water and land

Fill in Table 2 below with details of the emissions that result from the operating techniques at each of your waste operations (activities).

Fill in one table for each waste operation (activity). You can use Table 2 as a template. Please provide the reference for each document.

Document reference

| Table 2 – Emissions (releases) | | | | |
|--|---------------|---|----------------------------------|------------------------------|
| Waste operation name | | Transfer of Waste Household, Commercial and Industrial – Treatment of Inert Construction and Demolition Waste | | |
| Point source emissions to air | | | | |
| Emission point reference and location | Source | Parameter | Quantity Unit | Unit |
| Emissions Reference ER01 | Crusher | Dust | 7% EAC/Day measured over 1 week | EAC/Day measured over 1 week |
| Emissions Reference ER02 | Screen | Dust | 7% EAC/Day measured over 1 week. | EAC/Day measured over 1 week |
| | | | | |
| | | | | |
| Point source emissions to water (other than sewers) | | | | |
| Emission point reference and location | Source | Parameter | Quantity Unit | Unit |
| Emissions Reference ER03 | Yard Drainage | Silt | 60mg/l | mg/l |
| | | | | |
| | | | | |
| | | | | |
| Point source emissions to sewers, effluent treatment plants or other transfers off site | | | | |
| Emission point reference and location | Source | Parameter | Quantity Unit | Unit |
| Emissions Reference ER04 | Yard Drainage | Silt | 120mg/l | mg/l |
| Emissions Reference ER04 | Yard Drainage | Hydrocarbons | 1mg/l | mg/l |
| | | | | |
| | | | | |
| Point source emissions to land | | | | |
| Emission point reference and location | Source | Parameter | Quantity Unit | Unit |
| | | | | |
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3 Operating techniques

3a Technical standards

Fill in Table 3a for each operation you refer to in Table 1a above, and list the relevant technical guidance note (TGN) or notes you are planning to use. If you are planning to use the standards set out in the TGN, there is no need to justify using them.

You must justify your decisions in a separate document if:

- there is no technical standard;
- the technical guidance provides a choice of standards; or

- you plan to use another standard.

This justification could include a reference to the Environmental Risk Assessment provided in section 6 of part B2 of the application form.

The documents in Table 3a should summarise the main measures you use to control the main issues identified in the H1 assessment or technical guidance.

For each of the activities listed in Table 3a, describe the type of operation and the options you have chosen for controlling emissions from your process.

Fill in one table for each waste operation (activity). You can use Table 3a as a template. Please provide the reference for each document.

Document reference

| Table 3a – Technical standards | | |
|--|---|-------------------------------------|
| Waste operation name | | |
| Description of waste operation | Relevant technical guidance note. You will need to refer to 'How to comply' for all permits. | Document reference (if appropriate) |
| | 'How to comply' | |
| Treatment of Inert Construction and Demolition Waste | How to comply with your Environmental Permit. TGN M17 – Monitoring of matter in ambient air around waste facilities. TGN M18 – Monitoring of discharges to water and sewer. | TGN M17 and TGN M18 |
| Treatment of Treated and Untreated Wood. | How to comply with your Environmental Permit. TGN M17 – Monitoring of matter in ambient air around waste facilities. TGN M18 – Monitoring of discharges to water and sewer. Fire Prevention and Mitigation Plan Guidance – Waste. | TGN M17 and TGN M18 |
| Sorting of Skip Waste | How to comply with your Environmental Permit. | |
| | | |
| | | |

If appropriate, use block diagrams to help describe the operation and process. Give the document references you use for each diagram and description.

Document reference

3b General requirements

Fill in a separate Table 3b for each waste operation (activity). You can use Table 3b as a template. Please provide the reference for each document.

Document reference

| Table 3b – General requirements | |
|--|---|
| Waste operation name | Treatment of inert construction and demolition waste |
| If the TGN or H1 assessment shows that emissions of substances not controlled by emission limits are an important issue, send us your plan for managing them | Document reference or references Crownhill EMS CH012 |
| If the TGN or H1 assessment shows that odours are an important issue, send us your odour management plan | Document reference or references N/A |
| | Document reference or references |

| | |
|---|---|
| If the TGN or H1 assessment shows that noise or vibration are important issues, send us your noise or vibration management plan (or both) | N/A |
| If our fire prevention guidance or your H1 assessment shows that fire risk is an important issue, send us your fire management plan | Document reference or references N/A |

3c Information for specific sectors

For some of the sectors, we need more information to be able to set appropriate conditions in the permit. For those activities listed below, you must answer the questions in the related Appendix.

| Table 3c – Questions for specific sectors | |
|--|---------------------------------|
| Sector | Appendix |
| Clinical waste | See the questions in appendix 1 |
| Hazardous and non-hazardous waste recovery and disposal | See the questions in appendix 2 |
| Recovery to land for agricultural benefit of compost like outputs from the treatment of municipal mixed wastes | See the questions in appendix 3 |
| Inert landfill | See the questions in appendix 4 |

4 Monitoring

4a Describe the measures you use to monitor emissions by referring to each emission point in Table 2 above

You should also describe any environmental monitoring. Tell us:

- how often you use these measures;
- the methods you use; and
- the procedures you follow to assess the measures.

Document reference

Crownhill EMS CH012

4b Point source emissions to air only

Provide an assessment of the sampling locations used to measure point source emissions to air. The assessment must use Technical Guidance Note M1 (Monitoring). This is available in the Guidance section on our Website.

Document reference

Crownhill EMS CH012

Appendix 1 – Specific questions for the clinical waste sector

Note: If your procedures are fully in line with the standards set out in EPR 5.07 then you should tick the 'yes' box and provide the procedure reference. There is no need for you to supply a copy of the procedure.

1 Are pre-acceptance procedures in place that are fully in line with the appropriate measures set out in section 2.2 of EPR 5.07 and which are used to assess a waste enquiry before it is accepted at the facility?

| | | | |
|-----|--------------------------|---|--|
| No | <input type="checkbox"/> | Provide justification for departure from EPR 5.07 and submit a copy of the procedures | |
| | | Document reference | |
| Yes | <input type="checkbox"/> | Document reference | |

2 Are waste acceptance procedures in place that are fully in line with the appropriate measures set out in section 2.2 of EPR 5.07, and which are used to cover issues such as loads arriving and being inspected, sampling waste, rejecting waste, and keeping records to track waste?

| | | | |
|-----|--------------------------|---|--|
| No | <input type="checkbox"/> | Provide justification for departure from EPR 5.07 and submit a copy of the procedures | |
| | | Document reference | |
| Yes | <input type="checkbox"/> | Document reference | |

3 Are waste storage, handling and dispatch procedures, and infrastructure in place that are fully in line with the appropriate measures set out in section 3.2 of EPR 5.07?

| | | | |
|-----|--------------------------|---|--|
| No | <input type="checkbox"/> | Provide justification for departure from EPR 5.07 and submit a copy of the procedures | |
| | | Document reference | |
| Yes | <input type="checkbox"/> | Document reference | |

4 Are monitoring procedures in place that are fully in line with the appropriate measures set out in section 3.3 of EPR 5.07?

| | | | |
|-----|--------------------------|---|--|
| No | <input type="checkbox"/> | Provide justification for departure from EPR 5.07 and submit a copy of the procedures | |
| | | Document reference | |
| Yes | <input type="checkbox"/> | Document reference | |

5 Are you proposing to either

- accept an additional waste not included in Table 2.1 of section 2.1 of EPR 5.07, or
- apply a permitted activity to a waste other than that identified for that waste in Table 2.1?

| | | | |
|-----|--------------------------|--------------------------------|--|
| No | <input type="checkbox"/> | | |
| Yes | <input type="checkbox"/> | You must provide justification | |
| | | Document reference | |

6 Please provide a summary description of the treatment activities undertaken on the facility. This should cover the general principles set out in section 2.1.4 of EPR 5.07

| | |
|--------------------|--|
| Document reference | |
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7 Please provide layout plans detailing the location of each treatment plant and main plant items and process flow

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| Document reference | |
|--------------------|--|

Appendix 2 – Specific questions for the hazardous waste recovery and disposal sector

Note: If your procedures are fully in line with the standards set out in SGN 5.06 then you should tick the 'yes' box and provide the procedure reference. There is no need for you to supply a copy of the procedure.

1 Are pre-acceptance procedures in place that are fully in line with the appropriate measures set out in section 2.1.1 of SGN 5.06, and which are used to assess a waste enquiry before it is accepted at the facility?

No ☐ Provide justification for departure from SGN 5.06 and submit a copy of the procedures

Document reference

Yes ☐ Document reference

2 Are waste acceptance procedures in place that are fully in line with the appropriate measures set out in section 2.1.2 of SGN 5.06, and which are used to cover issues such as loads arriving and being inspected, sampling waste, rejecting waste, and keeping records to track waste?

No ☐ Provide justification for departure from SGN 5.06 and submit a copy of the procedures

Document reference

Yes ☐ Document reference

3 Are waste storage procedures and infrastructure in place that are fully in line with the appropriate measures set out in section 2.1.3 of SGN 5.06?

No ☐ Provide justification for departure from SGN 5.06 and submit a copy of the procedures

Document reference

Yes ☐ Document reference

4 Provide a layout plan giving details of where the facility is based, the infrastructure in place (including areas and structures for separately storing types of waste which may be dangerous to store together) and capacity of waste storage areas and structures

Document reference

5 Provide a summary of the treatment activities carried out on the facility. This should cover the general principles set out in section 2.1.4 of SGN 5.06 and the specific principles set out in sections 2.1.5 to 2.1.15 as appropriate of SGN 5.06

Document reference

6 Provide layout plans giving details of where each treatment plant is based, the main items at each plant, and process flow diagrams for the treatment plant

Document reference or references

Appendix 3 – Specific questions for the recovery to land for agricultural benefit of compost like outputs from the treatment of mixed municipal solid wastes

1 Provide an accurate and reliable characterisation of your compost like outputs (CLO). This should be based on sampling and analysis of the CLO produced by the mechanical, biological treatment (MBT) process over a 12 month period and in accordance with section 2 of TGN 6.15

Document reference

2 Provide an agricultural benefit assessment for the use of your CLO. This should be based on section 2 of TGN 6.15 and should be signed and dated by an appropriate technical expert

Document reference

3 Provide a site specific risk assessment of risks to soil and food chain receptors. This should be based on Schedule 2 of TGN 6.15 and include a map with a green outline showing the boundary of the area being treated and include:

- locations where the waste will be stored and spread;
- any spring, well or borehole used to supply water for domestic or food production purposes that is within 250 metres of the area being treated;
- any spring, well or borehole not being used for domestic or food production purposes that is within 50 metres of the area being treated;
- any European designated sites (candidate or Special Area of Conservation, proposed or Special Protections Area in England and Wales or Ramsar Site) or Sites of Special Scientific Interest (SSSI) which are within 500 metres of the place where waste is to be stored or spread;
- the location of public rights of way;
- any Groundwater Source Protection Zones;
- surface watercourses;
- any buildings or houses within 250 metres of the area being treated;
- land drains within the boundary.

Document reference

4 Are the technical standards and measures fully in line with those set out in section 3 of TGN 6.15?

Yes ☐

No ☐ Provide justification for departure from TGN 6.15 and a copy of the proposed technical standards, measures or procedures.

Document reference

Appendix 4 – Specific questions for inert landfills

1 Provide your Environmental Setting and Installation Design (ESID) report

Document reference

2 Have you completed a hydrogeological risk assessment (HRA) for the site?

No ☐

Yes ☐ Document reference

Note: For inert landfills, this is only necessary in certain cases. Refer to our guidance 'Environmental Permitting Regulations: Inert Waste Guidance, Standards and Measures for the Deposit of Inert Waste on Land'. This can be downloaded from our guidance webpages.

3 Provide your stability risk assessment (SRA) for the site

Document reference

4 Have you completed a landfill gas risk assessment (LFGRA) for the site?

No ☐

Yes ☐ Document reference

Note: For inert landfills, this is only necessary in certain cases. Refer to guidance 'Environmental Permitting Regulations: Inert Waste Guidance, Standards and Measures for the Deposit of Inert Waste on Land'. This can be downloaded from our guidance webpages.

Templates for these four reports can be found using the links on our Guidance Webpages.

5 Provide your proposed plan for closing the site and your procedures for looking after the site once it has closed

Document reference