

EP Variation Application

Grundon Waste Management Ltd

Lakeside Road CWI (EPR/BT2866IG/V004)

GR_2021.03 / March 2022

EP Variation Application

Application Form

Lakeside Road CWI (EPR/BT2866IG/V004)

GR_2021.03 / March 2022

Application for an environmental permit

Part A – About you



You will need to fill in this part A if you are applying for a new permit, applying to change an existing permit or surrender your permit, or want to transfer an existing permit to yourself. Please check that this is the latest version of the form available from our website.

You can apply online for Waste standard rules environmental permits, bespoke waste permits and bespoke Medium combustion plant permits

Apply online for an environmental permit.

Please read through this form and the guidance notes that came with it.

The form can be:

- 1) saved onto a computer and then filled in. Please note that the form follows a logic that means questions will open or stay closed depending on a previous answer. So you may not be able to enter text in some boxes.
- 2) printed off and filled in by hand. Please write clearly in the answer spaces.

Note: if you believe including information on a public register would not be in the interests of national security you must enclose a letter telling us that you have told the Secretary of State. We will not include the information in the public register unless directed otherwise.

It will take less than one hour to fill in this part of the application form.

Where you see the term ‘document reference’ on the form, give the document references and send the documents with the application form when you’ve completed it.

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- 1 About you
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 - 3 Applications from an organisation of individuals or charity
 - 4 Applications from public bodies
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- Appendix 1 – Date of birth information for installation and waste activities (applications for a new permit or transferring a permit) only

1 About you

Are you applying as an individual, an organisation of individuals (for example, a partnership), a company (this includes Limited Liability Partnerships) or a public body?

An individual

Now go to section 2 and if you are applying for a new permit or transferring a permit for an installation or waste activity please also fill in Appendix 1

An organisation of individuals (for example, a partnership)

Now go to section 3 and if you are applying for a new permit or transferring a permit for an installation or waste activity please also fill in Appendix 1

A public body

Now go to section 4

A registered company or other corporate body

Now go to section 5 and if you are applying for a new permit or transferring a permit for an installation or waste activity please also fill in Appendix 1

2 Applications from an individual

2a Please give us the following details

Name

Title (Mr, Mrs, Miss and so on)

First name

Last name

Now go to section 6

3 Applications from an organisation of individuals or charity

3a Type of organisation

For example, a charity, a partnership, a group of individuals or a club

3b Details of the organisation or charity

If you are an organisation of individuals, please give the details of the main representative below. If relevant, provide details of other members (please include their title Mr, Mrs and so on) on a separate sheet and tell us the document reference you have given this sheet

Contact name

Title (Mr, Mrs, Miss and so on)

First name

Last name

Now go to question 3c or section 6

3c Details of charity

Full name of charity

This should be the full name of the legal entity not any trading name.

3d Company registration number

If you are registered with Companies House please tell us your registration number

3e Charity Commission number

If you are registered with the Charity Commission please tell us your registration number

Now go to section 6

4 Applications from public bodies

4a Type of public body

For example, NHS trust, local authority, English county council

4b Name of the public body

4c Please give us the following details of the executive

An officer of the public body authorised to sign on your behalf

Name

Title (Mr, Mrs, Miss and so on)

First name

Last name

Position

Now go to section 6

5 Applications from companies or corporate bodies

5a Name of the company

5b Company registration number

Date of registration (DD/MM/YYYY)

If you are applying as a corporate organisation that is not a limited company, please provide evidence of your status and tell us below the reference you have given the document containing this evidence.

Document reference

5 Applications from companies or corporate bodies, continued

5c Please give details of the directors

If relevant, provide details of other directors and company secretary, if there is one, on a separate sheet and tell us the reference you have given this sheet.

Document reference

Details of company secretary (if relevant) and director/s

Title (Mr, Mrs, Miss and so on)

First name

Last name

Title (Mr, Mrs, Miss and so on)

First name

Last name

Now go to section 6

6 Your address

6a Your main (registered office) address

For companies this is the address on record at Companies House.

Contact name

Title (Mr, Mrs, Miss and so on)

First name

Last name

Address

Postcode

Contact numbers, including the area code

Phone

Fax

Mobile

Email

For an organisation of individuals every partner needs to give us their details, including their title Mr, Mrs and so on. So, if necessary, continue on a separate sheet and tell us below the reference you have given the sheet.

Document reference

6b Main UK business address (if different from above)

Contact name

Title (Mr, Mrs, Miss and so on)

First name

Last name

Address

Postcode

6 Your address, continued

Contact numbers, including the area code

Phone

Fax

Mobile

Email

Now go to section 7

7 Contact details

7a Who can we contact about your application?

It will help us if there is someone we can contact if we have any questions about your application. The person you name should have the authority to act on your behalf.

Please add a second contact on a separate sheet if this person is not always available.

Document reference of this separate sheet

This can be someone acting as a consultant or an 'agent' for you.

Contact name

Title (Mr, Mrs, Miss and so on)

First name

Last name

Address

Postcode

Contact numbers, including the area code

Phone

Fax

Mobile

Email

7b Who can we contact about your operation (if different from question 7a)?

Contact name

Title (Mr, Mrs, Miss and so on)

First name

Last name

Address

Postcode

Contact numbers, including the area code

Phone

Fax

Mobile

Email

7 Contact details, continued

7c Who can we contact about your billing or invoice?

Note: Please provide the name and address that all invoices should be sent to for your subsistence fees.

As in question 7a

As in question 7b

Please give details below if different from question 7a or 7b.

Contact name

Title (Mr, Mrs, Miss and so on)

First name

Last name

Address

Postcode

Contact numbers, including the area code

Phone

Fax

Mobile

Email

8 How to contact us

If you need help filling in this form, please contact the person who sent it to you or contact us as shown below.

General enquiries: 03708 506 506 (Monday to Friday, 8am to 6pm)

Textphone: 03702 422 549 (Monday to Friday, 8am to 6pm)

Email: enquiries@environment-agency.gov.uk

Website: www.gov.uk/government/organisations/environment-agency

If you are happy with our service, please tell us. It helps us to identify good practice and encourages our staff. If you're not happy with our service, please tell us how we can improve it. More information on how to do this is available at: www.gov.uk/government/organisations/environment-agency/about/complaints-procedure.

Please tell us if you need information in a different language or format (for example, in large print) so we can keep in touch with you more easily.

9 Where to send your application

For how many copies to send see the guidance note on part A.

For water discharges by email to PSC-WaterQuality@environment-agency.gov.uk

For waste and installations by email to PSC@environment-agency.gov.uk

For flood risk activity permits send 1 copy only to enquiries@environment-agency.gov.uk or to the local Environment Agency office for where the work is proposed to be carried out.

Or

Permitting Support, NPS Sheffield
Quadrant 2
99 Parkway Avenue
Parkway Business Park
Sheffield
S9 4WF

Feedback

(You don't have to answer this part of the form, but it will help us improve our forms if you do.)

We want to make our forms easy to fill in and our guidance notes easy to understand. Please use the space below to give us any comments you may have about this form or the guidance notes that came with it.

How long did it take you to fill in this form? _____

We will use your feedback to improve our forms and guidance notes, and to tell the Government how regulations could be made simpler.

Would you like a reply to your feedback?

Yes please

No thank you



For Environment Agency use only

Date received (DD/MM/YYYY)

Our reference number

Payment received?

No

Yes Amount received

£ _____

Appendix 1 – Date of birth information for installation and waste activities (applications for a new permit or transferring a permit) only

Date of birth information in this appendix will not be put onto our Public Register

Are you applying as an individual, an organisation of individuals (for example, a partnership) or a company (this includes Limited Liability Partnerships)?

- An individual Now go to 2
- An organisation of individuals (for example, a partnership) Now go to 3
- A registered company or other corporate body Now go to 4

2 Applications from an individual

Please give us the following details

Name

Date of birth (DD/MM/YY)

3 Applications from an organisation of individuals or charity

Details of the organisation or charity

If you are an organisation of individuals, please give the date of birth details of the main representative below. If relevant, provide details of other members on a separate sheet and tell us the document reference you have given this sheet.

Name

Date of birth (DD/MM/YY)

Document reference

4 Applications from companies or corporate bodies

Name of the company

Please give the date of birth details for all directors and company secretary if there is one. If relevant, provide those details of other directors on a separate sheet and tell us the document reference you have given this sheet.

Details of company secretary (if relevant) and director/s

Name

Date of birth (DD/MM/YY)

Name

Date of birth (DD/MM/YY)

Name

Date of birth (DD/MM/YY)

Document reference

Application for an environmental permit

Part C2 – General – varying a bespoke permit



| | |
|--|--|
| <p>Fill in this part of the form, together with part A and the relevant parts of C3 to C7 and part F1 or F2, if you are applying to vary (change) the conditions or any other part of the permit. Please check that this is the latest version of the form available from our website.</p> <p>You only need to give us details in this application for the parts of the permit that will be affected (for example, if you are adding a new facility or changing existing ones).</p> <p>Waste operation changing to installation or vice versa?</p> <p>If your changes mean that a waste operation becomes an installation (or vice versa) you also need to fill in either part C3 (waste to installation) or part C4 (installation to waste).</p> <p>You do not need to resend any information from your original permit application if it is not affected by your proposed changes.</p> <p>Please read through this form and the guidance notes that came with it.</p> | <p>The form can be:</p> <ol style="list-style-type: none"> 1) saved onto a computer and then filled in. Please note that the form follows a logic that means questions will open or stay closed depending on a previous answer. So you may not be able to enter text in some boxes. 2) printed off and filled in by hand. Please write clearly in the answer spaces. <p>It will take less than two hours to fill in this part of the application form.</p> <p>Contents</p> <ol style="list-style-type: none"> 1 About the permit 2 About your proposed changes 3 Your ability as an operator 4 Consultation 5 Supporting information 6 Environmental risk assessment 7 How to contact us <p>Appendix 1 – Low impact installation checklist Appendix 2 – Date of birth information for Relevant offences and/or Technical ability questions only</p> |
|--|--|

1 About the permit

Note: If you are applying to convert your existing permit to a standard permit or add a standard facility you need to fill out form C1.

1a Discussions before your application

If you have had discussions with us before your application, give us the permit reference or details on a separate sheet. Tell us below the reference you have given this extra sheet.

Permit or document reference

1b Permit number

What is the permit number that this application relates to?

1c Site details

What is the name, address and postcode of the site?

Site name

Address

Postcode

2 About your proposed changes

2a Type of variation

What type of variation are you applying for?

Minor technical

Normal variation

Substantial

2 About your proposed changes, continued

2b Changes or additions to existing activities

Please give us brief details in the box below. More detailed information can be given in Table 1 below.

The application seeks to allow a new Listed Activity for the repackaging, bulking up and onward transfer of hazardous waste for recovery or disposal elsewhere. The types of waste remain unchanged from that already permitted. The application also seeks to allow the same to be applied to non-hazardous waste (a Waste Operation). All new activities will be carried out within the existing EP boundary. The application also includes the allowance to simply store and transfer waste (without repackaging/bulking) if required, for contingency.

Fill in Table 1 with details of all the proposed changes to current activities. In the final column of the table, give us the document reference for the proposed changes and send them to us with your filled in application form.

Fill in a separate table for each activity you are applying to vary or add. Use a separate sheet if you have a long list and send it to us with your application form. Tell us below the reference you have given this document.

Document reference

You only need to fill in one table for your mining waste operations.

2c Consolidating (combining) or updating existing permits

If your proposed change is to modernise (update) your permit, now answer 2c1; otherwise go to 2d.

If your proposed change is to consolidate (combine) a number of permits, now answer 2c2; otherwise go to 2d.

Note: In both cases we may require additional information from you about, for example, your management system. Therefore we would always advise you to talk to us before you submit any application to modernise or consolidate permits.

2c1 Do you want to have a modern style permit?

No

Yes

2c2 Identify all the permits you want to consolidate (combine) by listing the permit numbers in Table 2 below

Table 2 – Permit numbers

| |
|--|
| |
| |
| |
| |

2d Treating batteries

2d Are you proposing to treat batteries?

No

Yes Tell us how you will do this and send us a copy of your explanation and tell us below the reference you have given this explanation

Document reference for the explanation

2e Ship recycling

2e1 Is your activity covered by the Ship Recycling Regulations 2015? (See the guidance notes on part C2.)

No

Yes Tell us how you will do this. Please send us a copy of your explanation and your facility recycling plan, and tell us below the reference numbers you have given these documents

Document reference for the explanation

Document reference for the facility recycling plan

2e2 Is this a renewal of an existing authorisation covered by the Ship Recycling Regulations 2015?

No

Yes Tell us the expiry date of your existing authorisation (DD/MM/YYYY)

2 About your proposed changes, continued

Table 1 – Changes to existing activities

Fill in Table 1 with details of all the proposed changes to current activities. In the final column of the table, give us the document reference for the proposed changes and send them to us with your filled in application form.

| Name | Installation schedule 1 references | Description of the installation activity | Description of waste operation | Description of the mining waste operations | Description of water discharge activity | Description of groundwater activity | Proposed changes document reference |
|--|---------------------------------------|---|-----------------------------------|--|--|--|--|
| i.e. name of installation, waste operation, mining waste operation, water discharge activity or groundwater activity | | | | | | | |
| Example – effluent unique name | | | | | Example – treated sewage effluent | | |
| If you do not have enough room, go to the line below or send a separate document and give us the document reference here | | | | | | | |
| Lakeside Road CWI | 5.3 A(1)(a)(iv) | A2:Physical treatment | | N/A | N/A | N/A | Application |
| | | of hazardous waste | | | | | Supporting Statement |
| | | | | | | | (ref. GR_2021.03/01) |
| | | | A4: Physical treatment | | | | |
| | | | of non-haz waste | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

2 About your proposed changes, continued

2f Low impact installations (installations only)

2f1 Will any changes mean that any of the regulated facilities will become low impact installations?

No Now go to section 3

Yes If yes, tell us how you meet the conditions for a low impact installation (see the guidance notes on part C2 – Appendix 1)

Document reference

Tick the box to confirm you have filled in the low impact installation checklist in appendix 1 for each regulated facility

3 Your ability as an operator

If you are applying to add waste installations or waste operations to a permit that has not previously had them, you need to fill in all of section 3.

If you are applying to consolidate (combine) two or more permits or have an updated permit you must fill in question 3d.

This section does not apply for applications to surrender a permit.

3a Relevant offences

Installations and waste operations only (see the guidance notes on part C2).

3a1 Have you, or any other relevant person, been convicted of any relevant offence?

No Now go to question 3b

Yes Please give details below

Name of the relevant person

Title (Mr, Mrs, Miss and so on)

First name

Last name

Position held at the time of the offence

Name of the court where the case was dealt with

Date of the conviction (DD/MM/YY)

Offence and penalty set

Date any appeal against the conviction will be heard (DD/MM/YYYY)

If necessary, use a separate sheet to give us details of other relevant offences and tell us below the reference number you have given the extra sheet.

Document reference

Now go to question 3b

Please also complete the details in Appendix 2.

3b Technical ability

Specified waste management activities and waste operations only (see the guidance notes on part C1).

Please indicate which of the two schemes you are using to demonstrate you are technically competent to operate your facility and the evidence you have enclosed to demonstrate this.

ESA/EU skills

I have enclosed a copy of the current Competence Management System certificate

CIWM/WAMITAB scheme

Please select one of the following:

• I have enclosed a copy of:

- the relevant qualification certificate/s

or

- evidence of deemed competence

or

3 Your ability as an operator, continued

- Environment Agency assessment
- or
- evidence of nominated manager status under the transitional provisions for previously exempt activities

and, if deemed competent or Agency-assessed, or if there is evidence of a nominated manager, or if the original qualification is over two years old:

I have enclosed a copy of the relevant current continuing competence certificate/s

For each technically competent manager please give the following information. If necessary, use a separate sheet to give us these details and tell us below the document reference you have given the extra sheet.

| | |
|---------------------------------|----------------------|
| Title (Mr, Mrs, Miss and so on) | <input type="text"/> |
| First name | <input type="text"/> |
| Last name | <input type="text"/> |
| Phone | <input type="text"/> |
| Mobile | <input type="text"/> |
| Email | <input type="text"/> |

Please provide the environmental permit number/s and site address for **all** other waste activities that the proposed technically competent manager provides technical competence for, including permits held by other operators. Continue on a separate sheet as required.

| Permit number | Site address | Postcode |
|---------------|--------------|----------|
| | | |
| | | |
| | | |
| | | |

Document reference

Now go to question 3c

Please also complete the details in Appendix 2.

3c Finances

Installations, waste operations and mining waste operations only (see the guidance notes on part C2).

Please note that if you knowingly or carelessly make a statement that is false or misleading to help you get an environmental permit (for yourself or anyone else), you may be committing an offence under the Environmental Permitting (England and Wales) Regulations 2016.

Do you or any relevant person or a company in which you were a relevant person have current or past bankruptcy or insolvency proceedings against you?

No

Yes Please give details below, including the required set-up costs (including infrastructure), maintenance and clean up costs for the proposed facility against which a credit check may be assessed

We may want to contact a credit reference agency for a report about your business's finances.

3 Your ability as an operator, continued

Landfill, Category A mining waste facilities and mining waste facilities for hazardous waste only

How do you plan to make financial provision (to operate a landfill or a mining waste facility you need to show us that you are financially capable of meeting the obligations of closure and aftercare)?

- Renewable bonds
- Cash deposits with the Environment Agency
- Other – provide comprehensive details
- Document reference
- Provide a cost profile and expenditure plan of your estimated costs throughout the aftercare period of your site.
- Document plan reference
- Now go to question 3d

3d Management systems

You must have an effective, written management system in place that identifies and reduces the risk of pollution. You may show this by using a certified scheme or your own system.

Your permit requires you (as the operator) to ensure that you manage and operate your activities in accordance with a written management system.

You need to be able to explain what happens at each site and which parts of the overall management system apply. For example, at some sites you may need to show you are carrying out additional measures to prevent pollution because they are nearer to sensitive locations than others.

You can find guidance on management systems on our website at www.gov.uk/government/organisations/environment-agency.

Tick this box to confirm that you have read the guidance and that your management system will meet our requirements

What management system will you provide for your regulated facility?

- ISO 14001
- BS 8555 (Phases 1–5)
- Acorn
- Green dragon
- Own management system

Please make sure you send us a summary of your management system with your application.

Document reference/s

4 Consultation

Fill in 4a to 4c for installations and waste operations and 4d for installations only.

Could the waste operation or installation involve releasing any substance into any of the following?

4a A sewer managed by a sewerage undertaker?

- No
- Yes Please name the sewerage undertaker

4b A harbour managed by a harbour authority?

- No
- Yes Please name the harbour authority

4c Directly into relevant territorial waters or coastal waters within the sea fisheries district of a local fisheries committee?

- No
- Yes Please name the fisheries committee

4 Consultation, continued

4d Is the installation on a site for which:

4d1 a nuclear site licence is needed under section 1 of the Nuclear Installations Act 1965?

No

Yes

4d2 a policy document for preventing major accidents is needed under regulation 5 of the Control of Major Accident Hazards Regulations 2015, or a safety report is needed under regulation 7 of those Regulations?

No

Yes

5 Supporting information

5a Provide a plan or plans for the site

See the guidance notes on part C2 for what needs to be marked on the plan.

Clearly mark the site boundary or discharge point, or both. Also include site drainage plans, site layout plans, and plant design drawings/process flow diagrams (as required). (See the guidance notes on part C2.)

Document reference/s of the plans

Updated Site Layout Plan provided in Appendix E

5b Do any of the variations you plan to make need extra land to be included in the permit?

No

Yes Please provide a site report for the extra land

Document report reference/s

5c Provide a non-technical summary of your application

Document reference of the summary

NTS provided in Appendix F (ref. GR_2021.03/02)

5d Risk of fire from sites storing combustible waste

Are you applying for an activity that includes the storage of combustible wastes?

(This applies to all activities excluding standalone water and groundwater discharges.)

No Go to question 5f

Yes Go to question 5e

5e Will your variation increase the risk of a fire occurring or increase the environmental risk if a fire occurs?

See the guidance notes on part C2.

No

Yes Provide a fire prevention plan. You need to highlight any changes you have made since your pre-application discussions

Document reference of the plan

5f Adding an installation

If you are applying to add an installation, tick the box to confirm that you have sent in a baseline report and provide a reference

Document reference of the report



Section 2.2.5 of Supporting Statement (ref. GR_2021.03/01)

6 Environmental risk assessment

If you need one, see the guidance notes on part C2.

Provide an assessment of any additional risks the proposed changes or additions to your regulated facilities poses to the environment as part of your application to vary this permit. The risk assessment must follow the methodology set out in 'Risk assessments for your environmental permit' at <https://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit> or an equivalent method.

Document reference for the assessment

2.2.6 of Supporting Stmt & Appendix G ERA Addendum

7 How to contact us

If you need help filling in this form, please contact the person who sent it to you or contact us as shown below.

General enquiries: 03708 506 506 (Monday to Friday, 8am to 6pm)

Textphone: 03702 422 549 (Monday to Friday, 8am to 6pm)

Email: enquiries@environment-agency.gov.uk

Website: www.gov.uk/government/organisations/environment-agency

If you are happy with our service, please tell us. It helps us to identify good practice and encourages our staff. If you're not happy with our service, please tell us how we can improve it.

Please tell us if you need information in a different language or format (for example, in large print) so we can keep in touch with you more easily.

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How long did it take you to fill in this form? _____

We will use your feedback to improve our forms and guidance notes, and to tell the Government how regulations could be made simpler.

Would you like a reply to your feedback?

Yes please

No thank you



For Environment Agency use only

Date received (DD/MM/YYYY)

Our reference number

Payment received?

No

Yes Amount received

£ _____

Plain English Campaign's Crystal Mark does not apply to appendix 1.**Appendix 1 – Low impact installation checklist**

| Installation reference | | | |
|---|---|---|---|
| Condition | Response | | Do you meet this? |
| A – Management techniques | Provide references to show how your application meets A | | Yes <input type="checkbox"/> |
| | References | | No <input type="checkbox"/> |
| B – Aqueous waste | Effluent created | m ³ /day | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| C – Abatement systems | Provide references to show how your application meets C | | Yes <input type="checkbox"/> |
| | References | | No <input type="checkbox"/> |
| D – Groundwater | Do you plan to release any hazardous substances or non-hazardous pollutants into the ground? | Yes <input type="checkbox"/> No <input type="checkbox"/> | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| E – Producing waste | Hazardous waste | Tonnes per year | Yes <input type="checkbox"/> |
| | Non-hazardous waste | Tonnes per year | No <input type="checkbox"/> |
| F – Using energy | Peak energy consumption | MW | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| G – Preventing accidents | Do you have appropriate measures to prevent spills and major releases of liquids? (See 'How to comply'.) | Yes <input type="checkbox"/> No <input type="checkbox"/> | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| | Provide references to show how your application meets G | | |
| | References | | |
| H – Noise | Provide references to show how your application meets H | | Yes <input type="checkbox"/> |
| | References | | No <input type="checkbox"/> |
| I – Emissions of polluting substances | Provide references to show how your application meets I | | Yes <input type="checkbox"/> |
| | References | | No <input type="checkbox"/> |
| J – Odours | Provide references to show how your application meets J | | Yes <input type="checkbox"/> |
| | References | | No <input type="checkbox"/> |
| K – History of keeping to the regulations | Say here whether you have been involved in any enforcement action as described in Compliance History Appendix 1 explanatory notes | Yes <input type="checkbox"/> No <input type="checkbox"/> | |

Appendix 2 – Date of birth information for Relevant offences and/or Technical ability questions only

Date of birth information in this appendix will not be put onto our Public Register

Have you filled in the Relevant Offences question?

Yes

No

Have you filled in the Technical ability question?

Yes

No

2 Relevant Offences - date of birth information

Please give us the following details

Name

Date of birth (DD/MM/YY)

3 Technical ability - date of birth information

Name

Date of birth (DD/MM/YY)

Application for an environmental permit

Part C3 – Variation to a bespoke installation permit



Fill in this part of the form, together with part A, part C2 and part F1, if you are applying to vary (change) the conditions or any other part of the permit.

Please check that this is the latest version of the form available from our website.

You only need to give us details in this application for the parts of the permit that will be affected (for example, if you are adding a new facility or making changes to existing ones).

You do not need to resend any information from your original permit application if it is not affected by your proposed changes.

Please read through this form and the guidance notes that go with it.

The form can be:

- 1) saved onto a computer and then filled in. Please note that the form follows a logic that means questions will open or stay closed depending on a previous answer. So you may not be able to enter text in some boxes.
- 2) printed off and filled in by hand. Please write clearly in the answer spaces.

It will take less than three hours to fill in this part of the application form.

Contents

- [1 What activities are you applying for?](#)
- [2 Point source emissions to air, water and land](#)
- [3 Operating techniques](#)
- [4 Monitoring](#)
- [5 Environmental impact assessment](#)
- [6 Resource efficiency and climate change](#)
- [Appendix 1 – Specific questions for the combustion sector](#)
- [Appendix 2 – Specific questions for the chemical sector](#)
- [Appendix 3 – Specific questions for the waste incineration sector](#)
- [Appendix 4 – Specific questions for the landfill sector and recovery of hazardous waste on land activities](#)

1 What activities are you applying to vary?

Fill in Table 1a below with details of all the activities listed in schedule 1 or other references (see note 1) of the Environmental Permitting Regulations (EPR) and all directly associated activities (DAAs) (in separate rows), that you propose to vary.

Note: if you want to add a Medium Combustion Plant or Specified Generator (MCP/SG) to your installation please use part C2.5 instead. If you want to vary an intensive farm permit please use part C3.5 instead.

Fill in a separate table for each installation you are applying to vary. Use a separate sheet if you have a long list and send it to us with your application form. Tell us below the reference you have given the document.

Document reference

1 What activities are you applying to vary?, continued**Table 1a – Types of activities**

| Schedule 1 listed activities | | | | | | |
|---|---|--|--------------------------------|---|---|---|
| Installation name | Schedule 1 or other references (See note 1) | Description of the activity (See note 2) | Activity capacity (See note 3) | Annex I (D codes) and Annex II (R codes) and descriptions | Hazardous waste treatment capacity (if this applies) (See note 3) | Non-hazardous waste treatment capacity (if this applies) (See note 3) |
| If there are not enough rows, send a separate document and give the document reference number here | Put your main activity first | | | For installations that take waste only | For installations that take waste only | For installations that take waste only |
| Lakeside Road CWI | Section 5.1 A(1)(a) | A1: Incineration of | | | | |
| | Section 5.3 A(1)(a) | A2: Physical treatment of | | | | |
| | | | | | | |
| Directly associated activities (See note 4) | | | | | | |
| Name of DAA If there are not enough rows, send a separate document and give the document reference number here | | Description of the DAA (please identify the schedule 1 activity it serves) | | | | |
| A3 | | Storage of repackaged/bulked hazardous waste pending transfer off site – serves Activity A2 | | | | |
| | | Storage and transfer of repackaged/bulked non- hazardous waste pending transfer (Waste Operation, Activity A4) | | | | |
| | | | | | | |
| For installations that take waste (See note 5 below) | | Total storage capacity | | | | 45 |
| | | Annual throughput (tonnes each year) | | | | |

1 What activities are you applying to vary?, continued

Notes

1. Quote the section number, part A1 or A2 or B, then paragraph and sub paragraph number as shown in EPR part 2 of schedule 1.
2. Use the description from schedule 1 of EPR. Include any extra detail that you think would help to accurately describe what you want to do.
3. By ‘capacity’, we mean:
 - the total incineration capacity (tonnes every hour) for waste incinerators
 - the total landfill capacity (cubic metres) for landfills
 - the total capacity (cubic metres) for the recovery of hazardous waste on land
 - the total treatment capacity (tonnes each day) for waste treatment operations
 - the total storage capacity (tonnes) for waste storage operations
 - the processing and production capacity for manufacturing operations, or
 - the thermal input capacity for combustion activities
4. Fill this in as a separate line and give an accurate description of any other activities associated with your schedule 1 activities. You cannot have Directly Associated Activities (DAAs) as part of a mobile plant application.
5. By ‘total storage capacity’, we mean the maximum amount of waste, in tonnes, you store on the site at any one time.

Types of waste accepted

For those installations that take waste, for each line in Table 1a (including DAAs), fill in a separate document to list those wastes you will accept on to the site for that activity. Give the List of Wastes catalogue code and description (see <https://www.gov.uk/government/publications/waste-classification-technical-guidance>).

If you need to exclude waste 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.

Please provide the reference for each document.

You can use Table 1b as a template.

If you want to accept any waste with a code ending in 99, you must provide more information and a full description of the waste in the document, (for example, detailing the source, nature and composition of the waste). Where you only want to receive specific wastes within a waste code you can provide further details of the waste you want to receive. Where a waste is dual coded you should use both codes for the waste.

Document reference of this extra information

N/A - no new waste types proposed

1 What activities are you applying to vary?, continued**Table 1b – Template example – types of waste accepted and restrictions**

| Waste code | Description of the waste |
|---------------------|---|
| Example | Example |
| 02 01 08* | Agrochemical waste containing hazardous substances |
| 18 01 03* | Infectious clinical waste, not contaminated with chemicals or medicines – human healthcare (may contain sharps) for alternative treatment |
| 17 05 03*/17 06 05* | Non-hazardous soil from construction or demolition contaminated with fragments of asbestos cement sheet |

1c Recovery of hazardous waste on land

Are you applying for a waste recovery activity involving the permanent deposit of inorganic hazardous waste on land for construction or land reclamation?

No Now go to question 2

Yes

Have you written a waste recovery plan (WRP) that shows that you will use waste to perform the same function as non waste materials you would have used?

No You must write a WRP to support your application.

Yes

Have we advised you during pre-application discussions that we believe the activity is waste recovery?

No

Yes

Have there been any changes to your proposal since the discussions?

No

Yes

Please send us a copy of your current waste recovery plan that complies with our guidance at <https://www.gov.uk/government/publications/deposit-for-recovery-operators-environmental-permits/waste-recovery-plans-and-deposit-for-recovery-permits>. You need to highlight any changes you may have made since your pre-application discussions.

Document reference _____

Please note that there is an additional charge for the assessment or re assessment of a waste recovery plan that must be submitted as part of this application. For the charge see <https://www.gov.uk/government/publications/environmental-permitting-charges-guidance/environmental-permitting-charges-guidance>

2 Point source emissions to air, water and land

Fill in Table 2 below with details of the point source emissions that result from the operating techniques at each of your installations.

Fill in one table for each installation, continuing on a separate sheet if necessary.

Table 2 – Emissions (releases)

| | | | | |
|--|-------------------|-----------|----------|------|
| Installation name | Lakeside Road CWI | | | |
| Point source emissions to air | | | | |
| Emission point reference and location | Source | Parameter | Quantity | Unit |
| No new emissions to air | | | | |
| | | | | |
| | | | | |
| Point source emissions to water (other than sewers) | | | | |
| Emission point reference and location | Source | Parameter | Quantity | Unit |
| No new emissions to water | | | | |
| | | | | |
| | | | | |
| Point source emissions to sewers, effluent treatment plants or other transfers off site | | | | |
| Emission point reference and location | Source | Parameter | Quantity | Unit |
| No new emissions to sewer | | | | |
| | | | | |
| | | | | |
| Point source emissions to land | | | | |
| Emission point reference and location | Source | Parameter | Quantity | Unit |
| No new emissions to land | | | | |
| | | | | |
| | | | | |

You will also need to complete application form part C6 if your variation includes changing or adding a point source emission(s) to:

- water
- groundwater or
- sewer

Supporting information

3 Operating techniques

3a Technical standards

Fill in Table 3a for each activity at the installation you refer to in Table 1a above and list the ‘Best Available Techniques’ you are planning to use. If you use the standards set out in the relevant BAT conclusion(s), BAT reference document(s) (BREF) and/or technical guidance(s) (TGN) there is no need to justify using them within your documents in Table 3a.

For Part A(2) activities refer to <https://www.gov.uk/government/collections/integrated-pollution-prevention-and-control-sector-guidance-notes> and for Part B and Schedule 14 activities see <https://www.gov.uk/government/collections/local-air-pollution-prevention-and-control-lappc-process-guidance-notes>

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 part C2 (general bespoke permit) of the application form.

For each of the activities listed in Table 1a, the documents in Table 3a should summarise:

- the operations undertaken
- the measures you will use to control the emissions from your process, as identified in your risk assessment or the relevant BAT conclusions, BREF or technical guidance
- how you will meet other standards set out in the relevant BAT conclusions document, BREF or technical guidance

Table 3 – Technical standards

Fill in a separate table for each activity at the installation.

| | | |
|--|---|-------------------------------------|
| Installation name | Lakeside Road CWI | |
| Description of the schedule 1 activity or directly associated activity | Best available technique (BATC, BREF or TGN reference) (see footnote below) | Document reference (if appropriate) |
| Physical treatment of hazardous and non-hazardous waste | EPR 5.06 Sector Guidance on the Disposal or Recovery of hazardous and non-hazardous waste | |
| Storage of hazardous waste | H1 Environmental Risk Assessment | |
| | Healthcare Waste Appropriate Measures Guidance for Permitted Sites | |
| | | |
| | | |
| | | |

* Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control)

In all cases, describe the type of facility or operation you are applying for and provide site infrastructure plans, location plans and process flow diagrams or block diagrams to help describe the operations and processes undertaken. Give the document references you use for each plan, diagram and description.

Document reference

Supporting Statement, Site Layout Plan, ERA

3a1 Does your permit (in Table 1.2 Operating Techniques or similar table in the permit) have references to any of your own documents or parts of documents submitted as part of a previous application for this site?

No Now go to 3b

Yes Please tell us in a separate document what document references are no longer valid or have been superseded and why

Please also tell us below the reference number you have given the document and send it in with your application

Document reference

Section 2.3.3 of Supporting Statement (GR_2021.03/01)

3b General requirements

Fill in a separate Table 4 for each installation.

Table 4 – General requirements

| | |
|--|---|
| Name of the installation | Lakeside Road CWI |
| If the technical guidance or your risk 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 N/A – see Appendix G ERA Addendum |
| Where the technical guidance or your risk assessment shows that odours are an important issue, send us your odour management plan | Document reference or references N/A – see Appendix G ERA Addendum |
| If the technical guidance or your risk assessment shows that noise or vibration are important issues, send us your noise or vibration management plan (or both) | Document reference or references N/A – see Appendix G ERA Addendum |

For guidance on risk assessments for your environmental permit see <https://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit>

3c Types and amounts of raw materials

Fill in Table 5 for all schedule 1 activities. Fill in a separate table for each installation.

Table 5 – Types and amounts of raw materials

| Name of the installation | | Lakeside Road CWI | | |
|-----------------------------|---|--|--------------------------------------|--|
| Capacity (See note 1 below) | | No new raw materials introduced by the variation | | |
| Schedule 1 activity | Description of raw material and composition | Maximum amount (tonnes) (See note 2 below) | Annual throughput (tonnes each year) | Description of the use of the raw material including any main hazards (include safety data sheets) |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Notes

- By 'capacity', we mean the total storage capacity (tonnes) or total treatment capacity (tonnes each day).
 - By 'maximum amount', we mean the maximum amount of raw materials on the site at any one time.
- Use a separate sheet if you have a long list of raw materials, and send it to us with your application form. Please also provide the reference of this extra sheet.

Document reference

Section 2.3.3 of supporting statement (GR_2021.03/01)

3d Information for specific sectors

For some of the sectors, we need more information to be able to set appropriate conditions in the permit. This is as well as the information you may provide in sections 5, 6 and 7. For those activities listed below, you must answer the questions in the related document.

Table 6 – Questions for specific sectors

| Sector | Appendix |
|--|---|
| Combustion | See the questions in appendix 1 |
| Chemicals | See the questions in appendix 2 |
| Incinerating waste | See the questions in appendix 3 |
| Landfill and recovery of hazardous waste on land | See the questions in appendix 4 |

General information

Complete section 4 if you are proposing to change or add an emission point(s).

4 Monitoring

4a Describe the measures you use for monitoring 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
- the procedures you follow to assess the measures

Document reference

No new emissions introduced by the variation

4b Point source emissions to air only

4b1 Has the sampling location been designed to meet BS EN 15259 clause 6.2 and 6.3?

No

Yes

4b2 Are the sample ports large enough for monitoring equipment and positioned in accordance with section 6 and appendix A of BS EN 15259?

No

Yes

4b3 Is access adjacent to the ports large enough to provide sufficient working area, support and clearance for a sample team to work safely with their equipment throughout the duration of the test?

No

Yes

4b4 Are the sample location(s) at least 5 HD from the stack exit

No

Yes

4b5 Are the sample location(s) at least 2 HD upstream from any bend or obstruction?

No

Yes

4b6 Are the sample location(s) at least 5 HD downstream from any bend or obstruction?

No

Yes

4b7 Does the sample plane have a constant cross sectional area?

No

Yes

4b8 If horizontal, is the duct square or rectangular (unless it is less than or equal to 0.35 m in diameter)

No

Yes

4b9 If you have answered 'No' to any of the questions 4b1 to 4b8 above, provide an assessment to how the standards in BS EN 15259 will be met.

Document reference of the assessment

5 Environmental impact assessment

5a Have your proposals been the subject of an environmental impact assessment under Council Directive 85/337/EEC of 27 June 1985 [Environmental Impact Assessment] (EIA)?

No Now go to question 6

Yes Please provide a copy of the environmental statement and, if the procedure has been completed:

- a copy of the planning permission
- the committee report and decision on the EIA

Document reference of the copy

6 Resource efficiency and climate change

If the site is a landfill or a recovery of hazardous waste on land activity, you only need to fill in this section if the application includes gas engines.

6a Describe the basic measures for improving how energy efficient your activities are

Document reference of the description

Section 2.3.4 of Supporting Statement (GR_2021.03/01)

6b Provide a breakdown of any changes to the energy your activities use up and create

Document reference of the description

Section 2.3.4 of Supporting Statement (GR_2021.03/01)

6c Have you entered into, or will you enter into, a climate change levy agreement?

No Describe the specific measures you use for improving your energy efficiency

Document reference of the description

Section 2.3.4 of Supporting Statement (GR_2021.03/01)

Yes Please give the date you entered
(or the date you expect to enter)

into the agreement (DD/MM/YYYY)

Please also provide documents that prove you are taking part in the agreement.

Document reference of the proof

6d Explain and justify the raw and other materials, other substances and water that you will use

Document reference of the justification

Section 2.3.3 of Supporting Statement (GR_2021.03/01)

6e Describe how you avoid producing waste in line with Council Directive 2008/98/EC on waste

If you produce waste, describe how you recover it. If it is technically and financially impossible to recover the waste, describe how you dispose of it while avoiding or reducing any effect it has on the environment.

Document reference of the description

The purpose of the facility is to manage waste for recovery

7 How to contact us

If you need help filling in this form, please contact the person who sent it to you or contact us as shown below.

General enquiries: 03708 506 506 (Monday to Friday, 8am to 6pm)

Textphone: 03702 422 549 (Monday to Friday, 8am to 6pm)

Email: enquiries@environment-agency.gov.uk

Website: <https://www.gov.uk/government/organisations/environment-agency>

If you are happy with our service, please tell us. It helps us to identify good practice and encourages our staff. If you're not happy with our service, please tell us how we can improve it.

Please tell us if you need information in a different language or format (for example, in large print) so we can keep in touch with you more easily.

Feedback

(You don't have to answer this part of the form, but it will help us improve our forms if you do.)

We want to make our forms easy to fill in and our guidance notes easy to understand. Please use the space below to give us any comments you may have about this form or the guidance notes that came with it.

How long did it take you to fill in this form? _____

We will use your feedback to improve our forms and guidance notes, and to tell the Government how regulations could be made simpler.

Would you like a reply to your feedback?

Yes please

No thank you



For Environment Agency use only

Date received (DD/MM/YYYY)

Payment received?

No

Our reference number

Yes

Amount received

£ _____

Plain English Campaign's Crystal Mark does not apply to appendices 1 to 4.

Appendix 1 – Specific questions for the combustion sector

1 Identify the type of fuel burned in your combustion units (including when your units are started up, shut down and run as normal). If your units are dual fuelled (that is, use two types of fuel), list both the fuels you use

Fill in a separate table for each installation.

| Installation reference | | | |
|-----------------------------------|--------------------------|--------------------------|--------------------------|
| Type of fuel | When run as normal | When started up | When shut down |
| Coal | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Gas oil | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Heavy fuel oil | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Natural gas | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| WID waste | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Biomass (see notes 1 and 2 below) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Biomass (see notes 1 and 2 below) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Biomass (see notes 1 and 2 below) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Biomass (see notes 1 and 2 below) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Biomass (see notes 1 and 2 below) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Landfill gas | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Other | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Notes

1. Not covered by Industrial Emissions Directive 2010/75/EU.
2. 'Biomass' is referred to The Renewables Obligation Order 2002 (<https://www.legislation.gov.uk/uksi/2002/914/contents/made>)

Give extra information if it helps to explain the fuel you use.

Document reference

Appendix 1 – Specific questions for the combustion sector, continued**2 Give the composition range of any fuels you are currently allowed to burn in your combustion plant**

Fill in a separate table for each installation, continuing on a separate sheet if necessary

| Fuel use and analysis | | | | | |
|---|-------------|--------|--------|--------|--------|
| Installation reference | | | | | |
| Parameter | Unit | Fuel 1 | Fuel 2 | Fuel 3 | Fuel 4 |
| Maximum percentage of gross thermal input | % | | | | |
| Moisture | % | | | | |
| Ash | % wt/wt dry | | | | |
| Sulphur | % wt/wt dry | | | | |
| Chlorine | % wt/wt dry | | | | |
| Arsenic | % wt/wt dry | | | | |
| Cadmium | % wt/wt dry | | | | |
| Carbon | % wt/wt dry | | | | |
| Chromium | % wt/wt dry | | | | |
| Copper | % wt/wt dry | | | | |
| Hydrogen | % wt/wt dry | | | | |
| Lead | % wt/wt dry | | | | |
| Mercury | % wt/wt dry | | | | |
| Nickel | % wt/wt dry | | | | |
| Nitrogen | % wt/wt dry | | | | |
| Oxygen | % wt/wt dry | | | | |
| Vanadium | mg/kg dry | | | | |
| Zinc | mg/kg dry | | | | |
| Net calorific value | MJ/kg | | | | |

Appendix 1 – Specific questions for the combustion sector, continued

3 If NO_x factors are necessary for reporting purposes (that is, if you do not need to monitor emissions), please provide the factors associated with burning the relevant fuels

Fill in a separate table for each installation.

| | |
|------------------------|--|
| Installation reference | |
| Fuel | NO _x factor (kg t ⁻¹) |
| Fuel 1 | |
| Fuel 2 | |
| Fuel 3 | |
| Fuel 4 | |

Note: kg t⁻¹ means kilograms of nitrogen oxides released for each tonne of fuel burned.

4 Will your combustion plant be subject to Chapter III of the Industrial Emissions Directive 2010/75/EU?

No Now fill in application form part F

Yes

5 What is your plant?

an existing one A plant licensed before 1 July 1987

a new one A plant licensed on or after 1 July 1987 but before 27 November 2002, or a plant for which an application was made before 27 November 2002 and which was put into operation before 27 November 2003

a new-new one A plant for which an application was made on or after 27 November 2002 If you run more than one type of plant or a number of the same type of plant on your installation, please list them in the table below

6 If you run more than one type of plant or a number of the same type of plant on your installation, please list them in the table below

Fill in a separate table for each installation.

| | |
|------------------------|----------------------------|
| Installation reference | |
| Type of plant | Number within installation |
| Existing | |
| New | |
| New-new | |
| Gas turbine (group A) | |
| Gas turbine (group B) | |

Appendix 1 – Specific questions for the combustion sector, continued

7 If you run an existing plant, have you submitted a declaration for the ‘limited life derogation’ set out in Article 33 of Chapter III of the Industrial Emissions Directive?

No Now go to question 9

Yes

8 Have you subsequently withdrawn your declaration?

No

Yes

9 List the existing large combustion plants (LCPs) which have annual mass allowances under the National Emission Reduction Plan (NERP), and those with emission limit values (ELVs) under the LCPD

| Installation reference | |
|------------------------|----------------|
| LCPs under NERP | LCPs with ELVs |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

10 Do you meet the monitoring requirements of Chapter III of the Industrial Emissions Directive?

No

Yes Document reference

11 Are you substantially refurbishing an existing installation according to the meaning given in Article 14 of the Energy Efficiency Directive?

No

Yes Now go to question 12

12 Have you carried out a cost–benefit assessment (CBA) of opportunities for cogeneration (combined heat and power) or district heating under Article 14 of the Energy Efficiency Directive?

No Please provide supporting evidence of why a CBA is not required (for example, an agreement from us)

Document reference of this evidence

Yes Please submit a copy of your CBA

Document reference of the CBA

Appendix 2 – Specific questions for the chemical sector

1 Please provide a technical description of your activities

- The description should be enough to allow us to understand:
 - the process
 - the main plant and equipment used for each process
 - all reactions, including significant side reactions (that is, the chemistry of the process)
 - the material mass flows (including by products and side streams) and the temperatures and pressures in major vessels
 - the all emission control systems (both hardware and management systems), for situations which could involve releasing a significant amount of emissions – particularly the main reactions and how they are controlled
- a comparison of the indicative BATs and benchmark emission levels standards: technical guidance notes (TGNs) (see <https://www.gov.uk/government/collections/technical-guidance-for-regulated-industry-sectors-environmental-permitting>); additional guidance ‘The production of large volume organic chemicals’ (EPR 4.01); ‘Speciality organic chemicals sector’ (EPR 4.02); ‘Inorganic chemicals sector’ (EPR 4.03); and best available techniques reference documents (BREFs) for the chemical sector

Document reference _____

2 If you are applying for a multi-purpose plant, do you have a multi-product protocol in place to control the changes?

No

Yes Provide a copy of your protocol to accompany this application

Document reference _____

3 Does Chapter V of the Industrial Emissions Directive (IED) apply to your activities?

No

Yes Fill in the following

3a List the activities which are controlled under the IED

| | |
|------------------------|--|
| Installation reference | |
| Activities | |
| | |
| | |

3b Describe how the list of activities in question 3a above meets the requirements of the IED

Document reference _____

Appendix 3 – Specific questions for the waste incineration sector

If you are proposing to accept clinical waste, please complete your answer to question 3a ‘Technical standards’ with reference to relevant parts of our healthcare waste appropriate measures guidance (see <https://www.gov.uk/guidance/healthcare-waste-appropriate-measures-for-permitted-facilities>)

1a Do you run incineration plants as defined by Chapter IV of the Industrial Emissions Directive (IED)?

- No You do not need to answer any other questions in this appendix
 Yes IED applies

1b Are you subject to IED as

- An incinerator?
 A co-incinerator?

2 Do any of the installations contain more than one incineration line?

- No Now go to question 4
 Yes

3 How many incineration lines are there within each installation?

Fill in a separate table for each installation.

| | | |
|--|--|--|
| Installation reference | | |
| Number of incineration lines within the installation | | |
| Reference identifiers for each line | | |

You must provide the information we ask for in questions 4, 5 and 6 below in separate documents. The information must at least include all the details set out in section 2 (‘Key Issues’) of S5.01 ‘Incineration of waste: additional guidance’ (under the sub heading ‘European legislation and your application for an EP Permit’). See <https://www.gov.uk/government/collections/technical-guidance-for-regulated-industry-sectors-environmental-permitting>.

You must answer questions 7 to 13 on the form below.

4 Describe how the plant is designed, equipped and will be run to make sure it meets the requirements of IED, taking into account the categories of waste which will be incinerated

Document reference

5 Describe how the heat created during the incineration and co-incineration process is recovered as far as possible (for example, through combined heat and power, creating process steam or district heating)

Document reference

Appendix 3 – Specific questions for the waste incineration sector, continued

6 Describe how you will limit the amount and harmful effects of residues and describe how they will be recycled where this is appropriate

Document reference _____

For each line identified in question 3, answer questions 7 to 13 below

Question 3 identifier, if necessary _____

7 Do you want to take advantage of the Article 45 (1)(f) allowance (see below) if the particulates, CO or TOC continuous emission monitors (CEM) fail?

No

Yes This allows ‘abnormal operation’ of the incineration plant under certain circumstances when the CEM for releases to air have failed. Annex VI, Part 3(2) sets maximum half hourly average release levels for particulates (150 mg/m³), CO (normal ELV) and TOC (normal ELV) during abnormal operation.

Describe the other system you use to show you keep to the requirements of Article 13(4) (for example, using another CEM, providing a portable CEM to insert if the main CEM fails, and so on).

8 Do you want to replace continuous HF emission monitoring with periodic hydrogen fluoride (HF) emission monitoring by relying on continuous hydrogen chloride (HCl) monitoring as allowed by IED Annex VI, Part 6 (2.3)?

Under this you do not have to continuously monitor emissions for hydrogen fluoride if you control hydrogen chloride and keep it to a level below the HCl ELVs.

No

Yes Please give your reasons for doing this

Appendix 3 – Specific questions for the waste incineration sector, continued

9 Do you want to replace continuous water vapour monitoring with pre-analysis drying of exhaust gas samples, as allowed by IED Annex VI, Part 6 (2.4)?

Under this you do not have to continuously monitor the amount of water vapour in the air released if the sampled exhaust gas is dried before the emissions are analysed.

No

Yes Please give your reasons for doing this

10 Do you want to replace continuous hydrogen chloride (HCl) emission monitoring with periodic HCl emission monitoring, as allowed by IED Annex VI, Part 6 (2.5), first paragraph?

Under this you do not have to continuously monitor emissions for hydrogen chloride if you can prove that the emissions from this pollutant will never be higher than the ELVs allowed.

No

Yes Please give your reasons for doing this

Appendix 3 – Specific questions for the waste incineration sector, continued

11 Do you want to replace continuous HF emission monitoring with periodic HF emission monitoring, as allowed by IED Annex VI, Part 6 (2.5), first paragraph?

Under this you do not have to continuously monitor emissions for hydrogen fluoride if you can prove that the emissions from this pollutant will never be higher than the ELVs allowed.

No

Yes Please give your reasons for doing this

12 Do you want to replace continuous SO₂ emission monitoring with periodic sulphur dioxide (SO₂) emission monitoring, as allowed by IED Annex VI, Part 6 (2.5), first paragraph?

Under this you do not have to continuously monitor emissions for sulphur dioxide if you can prove that the emissions from this pollutant will never be higher than the ELVs allowed.

No

Yes Please give your reasons for doing this

Appendix 3 – Specific questions for the waste incineration sector, continued

13 If your plant uses fluidised bed technology, do you want to apply for a derogation of the CO WID ELV to a maximum of 100 mg/m³ as an hourly average, as allowed by IED Annex VI, Part 3?

No

Does not apply

Yes Please give your reasons for doing this

14 Are you substantially refurbishing an existing installation according to the meaning given in Article 14 of the Energy Efficiency Directive?

No

Yes Please go to question 15

Document reference of the CHP-ready assessment _____

15 Have you carried out a cost–benefit assessment (CBA) of opportunities for cogeneration (combined heat and power) or district heating under Article 14 of the Energy Efficiency Directive?

No Please provide supporting evidence of why a CBA is not required (for example, an agreement from us)

Document reference of this evidence _____

Yes Please submit a copy of your CBA

Document reference of the CBA _____

Appendix 4 – Specific questions for the landfill sector and recovery of hazardous waste on land activities

1. For the landfill sector, provide your Environmental Setting and Installation Design (ESID) report and any other risk assessments to control emissions.

For recovery of hazardous waste on land activities, provide your Environmental Setting and Site Design (ESSD) report and any other risk assessments to control emissions

Document reference _____

2. For recovery of hazardous waste on land activities, provide your Waste Acceptance Procedures (including Waste Acceptance Criteria)

Document reference _____

Refer to our guidance at

<https://www.gov.uk/government/publications/deposit-for-recovery-operators-environmental-permits/waste-acceptance-procedures-for-deposit-for-recovery>

3. Provide your hydrogeological risk assessment (HRA) for the site

Document reference _____

4. Provide your outline engineering plan for the site

Document reference _____

5. Provide your stability risk assessment (SRA) for the site

Document reference _____

6. Provide your landfill gas risk assessment (LFGRA) for the site

Document reference _____

We have developed guidance on these assessments and their reports which can be found at

<https://www.gov.uk/government/collections/environmental-permitting-landfill-sector-technical-guidance>

7. For recovery of hazardous waste on land activities, have you completed a monitoring plan for the site?

No Please refer to the section of your ESSD that explains why this is unnecessary for your site

Document reference of this evidence _____

Yes Document reference _____

8. Have you completed a proposed plan for closing the site and your procedures for looking after the site once it has closed?

No If you have answered 'no' for recovery of hazardous waste on land activities, refer to the section of your ESSD that explains why this is unnecessary for your site

Document reference of this evidence _____

Yes For landfill you must provide a closure and aftercare plan

Document reference _____

Application for an environmental permit

Part C4 – Varying a bespoke waste operation permit



| | |
|--|--|
| <p>Fill in this part of the form, together with parts A, C2 and F1, if you are applying to vary (change) the conditions or any other part of the permit. Please check that this is the latest version of the form available from our website.</p> <p>You only need to give us details in this application for the parts of the permit that will be affected (for example, if you are adding a new facility or making changes to existing ones).</p> <p>You do not need to resend any information from your original permit application if it is not affected by your proposed changes.</p> <p>Please read through this form and the guidance notes that came with it.</p> <p>The form can be:</p> <ol style="list-style-type: none"> 1) saved onto a computer and then filled in. Please note that the form follows a logic that means questions will open or stay closed depending on a previous answer. So you may not be able to enter text in some boxes. 2) printed off and filled in by hand. Please write clearly in the answer spaces. | <p>It will take less than three hours to fill in this part of the application form.</p> <p>Contents</p> <ol style="list-style-type: none"> 1 What waste operations are you applying to vary? 2 Point source emissions to air, water and land 3 Operating techniques 4 Monitoring 5 How to contact us <p>Appendix 1 – 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 2 – Specific questions for inert waste landfill and deposit for recovery operations</p> |
|--|--|

1 What waste operations are you applying to vary?

Fill in Table 1a with details of what you are applying to vary.

Fill in a separate table for each waste operation you are applying to vary. Use a separate sheet if you have a long list and send it to us with your application form. Tell us below the reference you have given this document.

Document reference

Section 1.3 of Supporting Statement (GR_2021.03/01)

Types of waste accepted

For each line in Table 1a, fill in a separate document to list those wastes you will accept on the site for that operation, giving the List of Wastes catalogue code (search for 'Technical guidance on how to assess and classify waste' at www.gov.uk/government/organisations/environment-agency). If you need to exclude waste 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.

1 What waste operations are you applying to vary?, continued

Table 1a – Waste operations which do not form part of an installation

| Name of the waste operation | Description of the waste operation | Annex I (D codes) and Annex II (R codes) and descriptions | Hazardous waste treatment capacity (if this applies) (See note 1) | Non-hazardous waste treatment capacity (if this applies) (See note 1) |
|---|--|---|---|---|
| Add extra rows if you need them. If you do not have enough room, go to the line below or send a separate document and give us the document reference here | Use the description from the guidance. Include any extra detail that you think would help to accurately describe what you want to do | | | |
| Activity Ref. A4 | Storage of non-hazardous waste for repackaging / bulking prior to transfer off site for disposal or recovery | | | |
| | | | | |
| | | | | |
| | | | | |
| For all waste operations | Total storage capacity (see note 2) | | | |
| | New total if varying to increase | | | |
| | Annual throughput (tonnes each year) | | | |
| | New total if varying to increase | | | |

1 What waste operations are you applying to vary?, continued**Notes**

1 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

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

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

If you want to accept any waste with a code ending in 99, you must provide more information and a full description of the waste in the document, (for example, detailing the source, nature and composition of the waste). Where you only want to receive specific wastes within a waste code you can provide further details of the waste you want to receive. Where a waste is dual coded you should use both codes for the waste.

Document reference

Section 1.3 of Supporting Statement (GR_2021.03/01)

Table 1b – Template example – types of waste accepted and restrictions

| Waste code | Description of the waste |
|---------------------|---|
| Example | Example |
| 02 01 08* | Agrochemical waste containing hazardous substances |
| 18 01 03* | Infectious clinical waste, not contaminated with chemicals or medicines – human healthcare (may contain sharps) for alternative treatment |
| 17 05 03*/17 06 05* | Non-hazardous soil from construction or demolition contaminated with fragments of asbestos cement sheet |

1c Deposit for recovery purposes (see the guidance notes on part C4)

Are you applying for a waste recovery activity involving the permanent deposit on waste on land for construction or land reclamation (including landfill restoration)?

No Go to section 2

Yes

Are you applying for an inert landfill permit that includes a restoration activity using waste?

No Go to section 2

Yes Please send us a copy of your restoration plan in accordance with our guidance at <https://www.gov.uk/guidance/landfill-operators-environmental-permits/restore-your-landfill-site>

Have we advised you during pre-application discussions that we believe the activity is waste recovery?

No Go to section 2

Yes

Have there been any changes to your proposal since the discussions?

No

Yes

Please send us a copy of your waste recovery plan that complies with our guidance at <https://www.gov.uk/guidance/waste-recovery-plans-and-permits>. You need to highlight any changes you have made since your pre-application discussions. Also give us the reference number of the document with your justification.

Please note that there is an additional charge for the assessment of a waste recovery plan that must be submitted as part of this application. For the charge see <https://www.gov.uk/topic/environmental-management/environmental-permits>.

Document reference

2 Point source emissions to air, water and land

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

Fill in one table for each waste facility.

Table 2 – Emissions

| Name of the waste operation | | Lakeside Road CWI | | |
|--|--------|-------------------|----------|------|
| Point source emissions to air | | | | |
| Emission point reference and location | Source | Parameter | Quantity | Unit |
| N/A - no emissions | | | | |
| | | | | |
| | | | | |
| | | | | |
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| | | | | |
| | | | | |
| Point source emissions to water (other than sewers) | | | | |
| Emission point reference and location | Source | Parameter | Quantity | Unit |
| N/A - no emissions | | | | |
| | | | | |
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| Point source emissions to sewers, effluent treatment plants or other transfers off site | | | | |
| Emission point reference and location | Source | Parameter | Quantity | Unit |
| N/A - no emissions | | | | |
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| Point source emissions to land | | | | |
| Emission point reference and location | Source | Parameter | Quantity | Unit |
| N/A - no emissions | | | | |
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Supporting information

3 Operating techniques

3a Technical standards

Fill in Table 3a for each waste operation you refer to in Table 1a above and list the ‘appropriate measures’ you are planning to use. If you are using the standards set out in the relevant technical guidance(s) (TGN) there is no need to justify using them within your documents in Table 3a.

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 part C2 of the application form.

Table 3a should summarise:

- the operations undertaken
- the measures you will use to control the emissions from your process, as identified in your risk assessment or the relevant technical guidance
- how you will meet other standards set out in the relevant technical guidance

Table 3a – Technical standards

Fill in a separate table for each waste operation.

| Waste operation | | |
|---|---|--|
| Description of the waste operation Add extra rows if you need them | Appropriate measure (TGN reference) | Document reference (if appropriate) |
| Non-hazardous waste storage | EPR 5.06 | |
| | Healthcare Waste - Appropriate Measures | |
| | H1 Environmental Risk Assessment | |
| | | |
| | | |
| | | |
| | | |
| | | |

In all cases, describe the type of facility or operation you are applying for and provide site infrastructure plans, location plans and process flow diagrams or block diagrams to help describe the operations and processes undertaken. Give the document references you use for each plan, diagram and description.

Document reference

Figure SS1 of Supporting Statement (ref. GR 2021.03/01)

3b General requirements

Fill in a separate table for each waste operation.

Table 3b – General requirements

| | |
|--|---|
| Name of the waste operation | A4: Storage of Non-Hazardous Waste |
| If the technical guidance or your risk 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 N/A |
| If the technical guidance or your risk assessment shows that odours are an important issue, send us your odour management plan. If your activity type is listed in the guidance document ‘Control and monitor emissions for your environmental permit’ as needing an odour management plan, or your risk assessment shows that odours are an important issue, you need to send us your odour management plan. | Document reference or references N/A |
| If the technical guidance or your risk assessment shows that noise or vibration are important issues, send us your noise or vibration management plan (or both) | Document reference or references N/A |

3 Operating techniques, continued

We may need to ask for management plans or risk assessments in other circumstances based on our regulatory experience. If you are unsure as to whether you need to submit a management plan with your application, please discuss this with the Environment Agency prior to submission.

Search for 'Risk assessment for your environmental permit' at www.gov.uk/government/organisations/environment-agency.

3c Information for specific sectors

For some of the sectors, we need more information to be able to set appropriate conditions in the permit. This is as well as the information you may provide in sections 5, 6 and 7. For those activities listed in Table 3c, you must answer the questions in the related document.

Table 3c – Questions for specific sectors

| Sector | Appendix |
|--|---------------------------------|
| Recovery to land for agricultural benefit of compost like outputs from the treatment of mixed municipal solid wastes | See the questions in appendix 1 |
| Inert landfill and deposit of waste on land for construction, land reclamation, restoration or improvement | See the questions in appendix 2 |

General information

4 Monitoring

4a Describe the measures you use for monitoring 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
- the procedures you follow to assess the measures

Document reference

N/A - no point source emissions

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 M1 (search for 'M1 sampling requirements for stack emission monitoring' at www.gov.uk/government/organisations/environment-agency).

Document reference of the assessment

N/A

5 How to contact us

If you need help filling in this form, please contact the person who sent it to you or contact us as shown below.

General enquiries: 03708 506 506 (Monday to Friday, 8am to 6pm)

Textphone: 03702 422 549 (Monday to Friday, 8am to 6pm)

Email: enquiries@environment-agency.gov.uk

Website: www.gov.uk/government/organisations/environment-agency

If you are happy with our service, please tell us. It helps us to identify good practice and encourages our staff. If you're not happy with our service, please tell us how we can improve it.

Please tell us if you need information in a different language or format (for example, in large print) so we can keep in touch with you more easily.

Feedback

(You don't have to answer this part of the form, but it will help us improve our forms if you do.)

We want to make our forms easy to fill in and our guidance notes easy to understand. Please use the space below to give us any comments you may have about this form or the guidance notes that came with it.

How long did it take you to fill in this form? _____

We will use your feedback to improve our forms and guidance notes, and to tell the Government how regulations could be made simpler.

Would you like a reply to your feedback?

Yes please

No thank you



For Environment Agency use only

Date received (DD/MM/YYYY)

Our reference number

Payment received?

No

Yes Amount received

£

Plain English Campaign’s Crystal Mark does not apply to appendices 1 to 2.

Appendix 1 – Specific questions for the recovery to land for agricultural benefit of compost like outputs from the treatment of mixed municipal solid wastes

1 Please 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 treatment (MBT) process over a 12-month period and in accordance with section 2 of TGN 6.15

Document reference

2 Please 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 Please 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?

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

Document reference

Yes

Appendix 2 – Specific questions for inert waste landfill and deposit for recovery operations

1 Please provide your Environmental Setting and Site Design (ESSD) report

Document reference

Note: You should use the Environment Agency template to help you develop an environmental setting and site design (ESSD) report.

2 Please provide your Waste Acceptance Procedures (including Waste Acceptance Criteria)

Document reference

3 Have you provided a hydrogeological risk assessment (HRA) for the site?

No Please refer to the section of your ESSD that explains why this is unnecessary for your site

Yes Document reference

4 Have you completed an outline engineering plan for the site?

No Please refer to the section of your ESSD that explains why this is unnecessary for your site

Yes Document reference

5 Have you provided a stability risk assessment (SRA) for your site?

No Please refer to the section of your ESSD that explains why this is unnecessary for your site

Yes Document reference

Appendix 2 – Specific questions for inert waste landfill and deposit for recovery operations, continued

6 Have you completed a monitoring plan for the site?

No Please refer to the section of your ESSD that explains why this is unnecessary for your site

Yes Document reference _____

7 Have you completed a plan for closing the site and procedures for looking after the site once it has closed?

No If no for deposit for recovery activities please refer to the section of your ESSD that explains why this is unnecessary for your site

Yes For inert waste landfill you must provide a closure plan

Document reference _____

Spreading waste to support plant growth

8a Does the activity involve the deposit of waste to create or treat a growing medium (R10 for land treatment)?

No

Yes

8b If you answered 'yes' to question 8a, does the R10 activity include the spreading of waste to improve the quality of the growing medium (e.g. soil conditioner to improve existing soil profile)?

No

Yes Go to question 8c

8c If you have answered 'Yes' to question 8b, have you completed a benefit statement?

No Please explain why

Document reference _____

Yes

Note: Refer to our guidance when completing your statement (including EPR 8.01, section 6).

Application for an environmental permit

Part F1 – Charges and declarations



Fill in this part for all applications for installations, waste operations, mining waste operations, water discharges, point source groundwater discharges and groundwater discharges onto land. Please check that this is the latest version of the form available from our website.

Please read through this form and the guidance notes that came with it.

The form can be:

- 1) saved onto a computer and then filled in. Please note that the form follows a logic that means questions will open or stay closed depending on a previous answer. So you may not be able to enter text in some boxes.
- 2) printed off and filled in by hand. Please write clearly in the answer spaces.

It will take less than two hours to fill in this part of the application form.

Contents

- 1 Working out charges
- 2 Payment
- 3 Privacy notice
- 4 Confidentiality and national security
- 5 Declaration
- 6 Application checklist
- 7 How to contact us
- 8 Where to send your application

Each individual who is applying for their name to appear on the permit must complete the declaration in section 5. You will have to print a separate copy of the declaration page for each additional individual to complete.

1 Working out charges

You must fill in this section.

You have to submit an application fee with your application. You can find out the charge by searching for 'Environment Agency charging scheme and guidance: environmental permits' at www.gov.uk/government/organisations/environment-agency.

Please remember that the charges are revised on 1 April each year and that there is an annual subsistence charge to cover the costs we incur in the ongoing regulation of the permit.

Table 1 – Type of application (fill number of activity being applied for in each column)

| Installation | Waste | Mining waste | Medium Combustion Plant (MCP)/Specified Generator (SG) | Water discharge/point source discharge to groundwater | Groundwater spreading onto land |
|--------------|-------|--------------|--|---|---------------------------------|
| 1 | 1 | 0 | 0 | 0 | 0 |
| | | | | | |
| | | | | | |
| | | | | | |

Table 2 – Charge type (A)

| Charge activity reference | Charge activity description | What are you applying to do? E.g. new, minor variation, normal variation, substantial variation, surrender, low risk surrender, transfer | Amount |
|---------------------------|--|---|-------------|
| e.g. 1.17.3 | e.g. Sect 5.2 landfill for hazardous waste | e.g. transfer | e.g. £5,561 |
| 1.16.1 | Section 5.3 Hazardous waste installation | Substantial Variation (new fee) | £ 16,001.00 |
| 1.6.1 | Non-hazardous waste operation | Normal variation (new fee) | £ 7,930.00 |
| | See Section 2.5 of Supporting Statement for explanation of fee calculation | | |
| | | | |
| Total A | | | £ 23,931.00 |

1 Working out charges (you must fill in this section), continued**Table 3 – Additional assessment charges (B)**

| Part 1.19 Charges for plans and assessments | | | Tick appropriate |
|---|---|--------|--------------------------|
| Reference | Plan or assessment | Charge | |
| 1.19.1 | Waste recovery plan | £1,231 | <input type="checkbox"/> |
| 1.19.2 | Habitats assessment (except where the application activity is a flood risk activity) | £779 | <input type="checkbox"/> |
| 1.19.3 | Fire prevention plan (except where the application activity is a farming installation) | £1,241 | <input type="checkbox"/> |
| 1.19.4 | Pests management plan (except where the application activity is a farming installation) | £1,241 | <input type="checkbox"/> |
| 1.19.5 | Emissions management plan (except where the application activity is a farming installation) | £1,241 | <input type="checkbox"/> |
| 1.19.6 | Odour management plan (except where the application activity is a farming installation) | £1,246 | <input type="checkbox"/> |
| 1.19.7 | Noise and vibration management plan (except where the application activity is a farming installation) | £1,246 | <input type="checkbox"/> |
| 1.19.8 | Ammonia emissions risk assessment (intensive farming applications only) | £620 | <input type="checkbox"/> |
| 1.19.9 | Dust and bio-aerosol management plan (intensive farming applications only) | £620 | <input type="checkbox"/> |
| | Advertising | £500 | <input type="checkbox"/> |
| Total B | | | |

Total charges

Total A plus total B

£ 23,931.00

2 Payment

Tick below to show how you have paid.

Cheque

Postal order

Cash

Tick below to confirm you are enclosing cash with the application

Credit or debit card

Electronic transfer (for example, BACS)

Remittance number

PSCAPPGRUND322

Date paid (DD/MM/YYYY)

22/03/2022

How to pay**Paying by cheque, postal order or cash**

Cheque details

Cheque made payable to

Cheque number

Amount

£

You should make cheques or postal orders payable to 'Environment Agency' and make sure they have 'A/c Payee' written across them if it is not already printed on.

Please write the name of your company and application reference number on the back of your cheque or postal order. **We will not** accept cheques with a future date on them.

We do not recommend sending cash through the post. If you cannot avoid this, please use a recorded delivery postal service and enclose your application reference details. Please tick the box below to confirm you are enclosing cash.

I have enclosed cash with my application

2 Payment, continued

Paying by credit or debit card

If you are paying by credit or debit card we can call you. We will destroy your card details once we have processed your payment. We can accept payments by Visa, MasterCard or Maestro card only.

Please call me to arrange payment by debit or debit card

Paying by electronic transfer BACS reference

If you choose to pay by electronic transfer you will need to use the following information to make your payment.

| | |
|--------------------------|--|
| Company name | Environment Agency |
| Company address | SSCL (Environment Agency), PO Box 797, Newport Gwent, NP10 8FZ |
| Bank | RBS/NatWest |
| Address | London Corporate Service Centre, CPB Services, 2nd Floor, 280 Bishopsgate, London EC2M 4RB |
| Sort code | 60-70-80 |
| Account number | 10014411 |
| Account name | EA RECEIPTS |
| Payment reference number | PSCAPPXXXXYYY |

You need to create your own reference number. It should begin with PSCAPP (to reflect that the application is for a permitted activity) and it should include the first five letters of the company name (replacing the X's in the above reference number) and a unique numerical identifier (replacing the Y's in the above reference number). The reference number that you supply will appear on our bank statements.

If you are making your payment from outside the United Kingdom, it must be in sterling. Our IBAN number is GB23NWK60708010014411 and our SWIFTBIC number is NWBKGB2L.

If you do not quote your reference number, there may be a delay in processing your payment and application.

Provide a unique reference number for the application, i.e. do not only use the company name only

State who is paying (full name and whether this is the agent/ applicant/other)

Fee paid £

Date payment sent (DD/MM/YYYY)

Now read section 3 below

You should also email your payment details and reference number to ea_fsc_ar@gov.sscl.com.

3 Privacy notice

The Environment Agency runs the environmental permit application service.

We are the data controller for this service. A data controller determines how and why personal information is processed.

Our personal information charter explains:

- your rights
- what we do with your personal information

We're allowed to process your personal information because we have official authority as the environmental regulator. We need this information to carry out a task in the public interest that is set out in law. As the data controller, when you apply for an environmental permit, we have a legal obligation to process your personal data under the Environmental Permitting Regulations. The second lawful basis for processing your personal data is to comply with this legal obligation.

We need your personal information to process your environmental permit application. If you do not give us this information we cannot issue a permit to you. After we've issued a permit to you, we use your personal information:

- to check that you're complying with your permit
- during any potential enforcement action

What personal information we collect

If you're the individual applicant, director or company secretary of a company applying or a technically competent manager we need your:

- name
- date of birth

3 Privacy notice, continued

- address
- email address

If you're the agent, consultant, employee responsible for the activity or the employee responsible for billing and invoicing we need your:

- name
- address
- email address

If you're the applicant we need details of any:

- convictions
- bankruptcy

We also collect any questions or feedback you leave, including your email address if you contact us.

Your responsibility with other people's personal information

If you've included personal information about other people on your application, you must tell them. You must provide them with a copy of this privacy notice so that they know how their personal information will be used.

What we do with your personal information

We use your personal information to help us decide whether to issue you with a permit.

The information (except dates of birth) is available online on our consultation website during the consultation period. This website is available to everyone so your information may be seen outside the European Economic Area.

After consultation we put all the information (except dates of birth) you give us in your application on our public register.

If you can demonstrate that any information you send us is commercially or industrially confidential, we'll consider withholding that information from our public register.

If you think that the information you'll send us may be a threat to national security you must contact the Secretary Of State before you apply. You must still send us that information with your application. We will not include this information on our public register unless the Secretary of State decides it can be included.

See the environmental permitting guidance for guidance on national security.

We may use your email address to contact you for user research to improve our service. You don't have to take part in the research.

Where your personal information is processed and stored

We store and process your personal information on servers in the UK. We will not host your personal information outside the European Economic Area.

We do not use your personal information to make an automated decision or for automated profiling.

How long we keep your personal information

We keep your personal information while your permit is in use and for 7 years after you surrender your permit. If the permit is for a landfill site, we keep the data for 10 years after surrender.

Removing personal information from the public register

We will remove your personal information from the public register if:

- you withdraw your application
- we refuse your application and the time limit for appealing the decision has expired or an appeal is dismissed
- the information is no longer relevant for public participation purposes under the Environmental Permitting Regulations

Contact

Our Data Protection Team gives independent advice. They monitor how the Environment Agency uses your personal information.

If you have questions or concerns about how we process personal information, or to make a complaint or request relating to data protection, please contact:

Address: Data Protection Team
 Environment Agency
 Horizon House
 Deanery Road
 Bristol
 BS1 5AH

3 Privacy notice, continued

Email: dataprotection@environment-agency.gov.uk

You can also make a complaint to the Information Commissioner's Office (ICO).

The ICO is the supervisory authority for data protection legislation. The ICO website has a full list of your rights under data protection legislation.

Now read section 4 below

4 Confidentiality and national security

Confidentiality

We will normally put all the information in your application on a public register of environmental information. However, we may not include certain information in the public register if this is in the interests of national security, or because the information is confidential.

You can ask for information to be made confidential by enclosing a letter with your application giving your reasons. If we agree with your request, we will tell you and not include the information in the public register. If we do not agree with your request, we will let you know how to appeal against our decision, or you can withdraw your application. You can find guidance on confidentiality in 'Environmental permitting guidance: core guidance', published by Defra and available via our website at www.gov.uk/government/organisations/environment-agency.

Only tick the box below if you wish to claim confidentiality for your application

Please treat the information in my application as confidential

National security

You can tell the Secretary of State that you believe including information on a public register would not be in the interests of national security. You must enclose a letter with your application telling us that you have told the Secretary of State and you must still include the information in your application. We will not include the information in the public register unless the Secretary of State decides that it should be included.

You can find guidance on national security in 'Environmental permitting guidance: core guidance', published by Defra and available via our website at www.gov.uk/government/organisations/environment-agency.

You cannot apply for national security via this application.

Now fill in section 5

5 Declaration

If you knowingly or carelessly make a statement that is false or misleading to help you get an environmental permit (for yourself or anyone else), you may be committing an offence under the Environmental Permitting (England and Wales) Regulations 2016.

A relevant person should make the declaration (see the guidance notes on part F1). An agent acting on behalf of an applicant is NOT a relevant person.

Each individual (or individual trustee) who is applying for their name to appear on the permit must complete this declaration. You will have to print a separate copy of this page for each additional individual to complete.

If you are transferring all or part of your permit, both you and the person receiving the permit must make the declaration. You must fill in the declaration directly below; the person receiving the permit must fill in the declaration under the heading 'For transfers only'.

Note: we will issue a letter to both current and new holders to confirm the transfer. If you are changing address we will need to send this letter to your new address; therefore please tell us your new address in a separate letter.

If you are unable to trace one or more of the current permit holders please see below under the transfers declaration.

I declare that the information in this application is true to the best of my knowledge and belief. I understand that this application may be refused or approval withdrawn if I give false or incomplete information.

If you deliberately make a statement that is false or misleading in order to get approval you may be prosecuted.

I confirm that my standard facility will fully meet the rules that I have applied for (this only applies if the application includes standard facilities)

Tick this box to confirm that you understand and agree with the declaration above, then fill in the details below (you do not have to provide a signature as well)

Tick this box if you do not want us to use information from any ecological survey that you have supplied with your application (for further information please see the guidance notes on part F1)

5 Declaration, continued

Name

Title (Mr, Mrs, Miss and so on)

First name

Last name

on behalf of
(if relevant; for example, a company or organisation and so on)

Position
(if relevant; for example, in a company or organisation and so on)

Today's date (DD/MM/YYYY)

For transfers only – declaration for person receiving the permit

A relevant person should make the declaration (see the guidance notes on part F1). An agent acting on behalf of an applicant is NOT a relevant person.

I declare that the information in this application to transfer an environmental permit to me is true to the best of my knowledge and belief. I understand that this application may be refused or approval withdrawn if I give false or incomplete information.

Note: If you cannot trace a person or persons holding the permit you may be able to transfer the permit without their declaration as above. Please contact us to discuss this and supply evidence in your application to confirm you are unable to trace one or all of the permit holders.

If you deliberately make a statement that is false or misleading in order to get approval you may be prosecuted.

Tick this box to confirm that you understand and agree with the declaration above, then fill in the details below (you do not have to provide a signature as well)

Name

Title (Mr, Mrs, Miss and so on)

First name

Last name

on behalf of
(if relevant; for example, a company or organisation and so on)

Position
(if relevant; for example, in a company or organisation and so on)

Today's date (DD/MM/YYYY)

Now go to section 6

6 Application checklist

You must fill in this section.

If your application is not complete we will return it to you. If you aren't sure about what you need to send, speak to us before you submit your application.

You must do the following:

- Complete legibly all parts of this form that are relevant to you and your activities
- Identify relevant supporting information in the form and send it with the application
- List all the documents you are sending in the table below. If necessary, continue on a separate sheet. This separate sheet also needs to have a reference number and you should include it in the table below
- For new permits or any changes to the site plan, provide a plan that meets the standards given in the guidance note on part F1
- Provide a supporting letter for any claim that information is confidential
- Get the declaration completed by a relevant person (not an agent)
- Send the correct fee

6 Application checklist, continued

| Question reference | Document title | Document reference |
|--------------------|-----------------------------------|---------------------------------|
| | Application Form | Parts A, C2, C3, C4 and F1 |
| | | |
| | Application Supporting Statement | Document ref. GR_2021.03/01 |
| | | |
| | Copy of EP and Discharge Consent | Appendix A |
| Part C2 Qu.1a | Copy of EA Pre-application Advice | Appendix B |
| Part C2 Qu.3b | CMS Certificate | Appendix C |
| Part C2 Qu.3d | EMS Summary | Appendix D |
| Part C2 Qu.5a | Updated Site Layout Plan | Appendix E |
| Part C2 Qu.5c | Non-Technical Summary | Appendix F (ref. GR_2021.03/02) |
| Part C2 Qu.6 | ERA Addendum | Appendix G (ref. GR_2021.03/03) |
| | | |
| | | |
| | | |

7 How to contact us

If you need help filling in this form, please contact the person who sent it to you or contact us as shown below.

General enquiries: 03708 506 506 (Monday to Friday, 8am to 6pm)

Textphone: 03702 422549 (Monday to Friday, 8am to 6pm)

Email: enquiries@environment-agency.gov.uk

Website: www.gov.uk/government/organisations/environment-agency

If you are happy with our service, please tell us. It helps us to identify good practice and encourages our staff. If you're not happy with our service, or you would like us to review a decision we have made, please let us know. More information on how to do this is available at: <https://www.gov.uk/government/organisations/environment-agency/about/complaints-procedure>.

Please tell us if you need information in a different language or format (for example, in large print) so we can keep in touch with you more easily.

8 Where to send your application

For how many copies to send see the guidance note on part F1.

Please send your filled in application form to:

For water discharges by email to PSC-WaterQuality@environment-agency.gov.uk

For waste and installations by email to PSC@environment-agency.gov.uk

Or

Permitting Support, NPS Sheffield
 Quadrant 2
 99 Parkway Avenue
 Parkway Business Park
 Sheffield
 S9 4WF

Do you want all information to be sent to you by email?

Please tick this box if you wish to have all communication about this application sent via email (we will use the details provided in part A)



Feedback

(You don't have to answer this part of the form, but it will help us improve our forms if you do.)

We want to make our forms easy to fill in and our guidance notes easy to understand. Please use the space below to give us any comments you may have about this form or the guidance notes that came with it.

How long did it take you to fill in this form? _____

We will use your feedback to improve our forms and guidance notes, and to tell the Government how regulations could be made simpler.

Would you like a reply to your feedback?

Yes please

No thank you



For Environment Agency use only

Date received (DD/MM/YYYY)

Our reference number

Payment received?

No

Yes Amount received


£ _____

EP Variation Application

Supporting Statement

Lakeside Road CWI (EPR/BT2866IG/V004)

GR_2021.03/01 - March 2022

| | |
|--------------------------|---|
| Project details | Environmental Permit Variation Application EPR/BT2866IG/V004 Grundon Waste Management Limited – Lakeside Road Clinical Waste Facility |
| Applicant details | Grundon Waste Management Limited Thames House Oxford Road Benson Wallingford Oxfordshire OX10 6 LX |
| Report details | EP Variation Application – Supporting Statement Document reference: GR_2021.03/01_v1 |
| Report date | 17 March 2022 |
| Submitted to | Permitting and Support Centre Environmental Permitting Team Environment Agency Quadrant 2 99 Parkway Avenue Parkway Business Park Sheffield S9 4WF Email: PSC@environment-agency.gov.uk |
| Author | Rebecca Hodkinson EHS Consultant |
| Signature |  |



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Company Registered in England No. 11506654

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1 Introduction

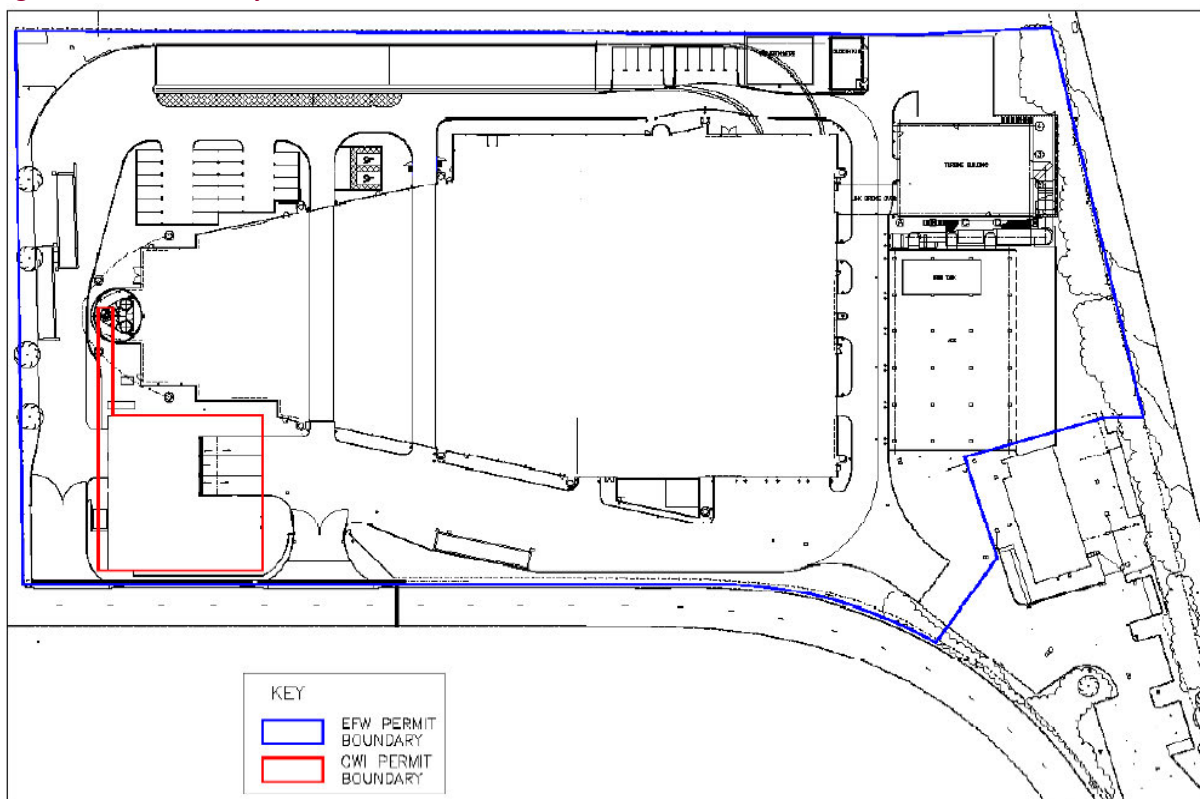
1.1 General

Grundon Waste Management Limited (the ‘applicant’) has requested that Reva Environmental Ltd (the ‘agent’) prepares an Environmental Permit (EP) variation application, for its Lakeside Road Clinical Waste Incinerator (CWI), Colnbrook, Slough, Berkshire, SL3 0EG.

The CWI is permitted via EPR/BT2866IG which was originally granted in December 2003 and most recently varied (and consolidated) by Variation Notice V003 in July 2009. The CWI takes up an area of land that is within the permitted Energy from Waste (EfW) facility operated by Lakeside Energy from Waste Ltd. The interaction between the two EP boundaries is shown on the site plan in the current EP for the CWI and is re-presented in **Figure SS1** below.

The CWI EP allows the incineration of clinical and hazardous wastes, in accordance with Section 5.1 Part A(1)(a) of the EP Regulations and covers the entire plant from the receipt of waste to the disposal of residues resulting from the incineration process.

Figure SS1: EP Boundary Interaction



The EfW is regulated by EPR/BT7116 which was issued to Lakeside Energy from Waste Ltd in November 2003.

There is a third EP in place, granted to the applicant (Grundon Waste Management Limited). Permit CE4317 was most recently varied in March 2011 and allows the accumulation and disposal of specified radioactive wastes from the specified premises. In this case it applies to the types of materials that are used for the purposes of clinical and biological research, and medical diagnostic and treatment techniques. This third EP is unaffected by this variation application, which relates only to the CWI EP.

1.2 Current Site Status

As detailed above, the CWI is currently authorised by EP ref. EPR/BT2866IG which was originally granted in December 2003. The current EP allows the following activities to be carried out at the facility:

- Activity Ref. A1 – Section 5.1 A(1)(a) Incineration of Clinical and Hazardous waste in a plant with a capacity exceeding 10 tonnes per day.

A copy of the existing CWI EP is provided in **Appendix A** of this EP variation application.

1.3 Application Objective

The applicant wishes to augment and expand operations at the site to:

- Add a new Listed Activity (activity ref. A2) to allow the receipt of hazardous waste for repackaging / bulking prior to transfer off site for onward disposal or recovery. This falls under Section 5.3 Part A(1)(a)(iv) and will be for the waste types already permitted at the CWI.
- Allow the storage of hazardous waste pending repackaging/bulking and transfer off site for onward disposal or recovery (activity ref. A3). This will be less than 50 tonnes per day so is a Directly Associated Activity to the proposed Listed Activity A2. This includes the storage of hazardous waste pending transfer (without repackaging) if required for contingency measures
- Allow the receipt and storage of non-hazardous waste for repackaging / bulking prior to transfer off site for onward disposal or recovery. This includes the storage of non-hazardous waste pending transfer (without repackaging) if required for contingency measures. This will be a Waste Operation (activity ref. A4).

There is no requirement to increase the CWI EP boundary to accommodate the new activities; nor are there any proposed changes to the wastes that will be accepted at the site.

A revised internal layout plan has been generated to present the proposed activities (and to confirm storage capacities by both no. of bins or pallets and tonnage) and is provided in **Appendix E** of this variation application (drawing ref. DG/EN/CWI/SK/1175, Issue 2, dated 16 February 2022).

2 Application Form

An application to vary a bespoke installation EP requires the completion of the EA application form parts A, C2, C3 and F1. As the application also seeks to add a new Waste Operation, part C4 has also been completed. As stated in the guidance notes for the form, details only need to be included in relation to the parts of the existing permit (and permitted activities) that will be affected by the variation application. Details have primarily been provided on the form.

This section provides additional supporting information and signposts to supplementary documents provided in support of the variation application.

The application form is provided at the front of this EP variation application document.

2.1 Form Part A

Contact details for the agent and the applicant are provided in this part of the application form. In addition to the relevant persons required by Question 5c of the form, details are provided for the Directors as follows:

- Simon Arnold (Director, Secretary) – [REDACTED] [REDACTED]
- Philip John Atkinson (Director) – [REDACTED] [REDACTED]

- Neil Norman Grundon (Director) – [REDACTED]
- Norman Stephen Grundon (Director) – [REDACTED]
- Jonathan Peter Harris (Director) – [REDACTED]
- Bradley James Smith (Director) – [REDACTED]
- Stephen Brian Roscoe (Director) – [REDACTED]
- Clayton Sinclair Sullivan-Webb (Director) – [REDACTED]

These details also satisfy the requirements of Appendix 1, Question 4 of this part of the form.

2.2 Form Part C2

2.2.1 Question 1a

A request for pre-application advice was requested from the Environment Agency (EA). Due to EA restrictions on this advice during COVID, the response was limited to nature and heritage conservation screening only along with a standard set of guidance notes for this type of application. A copy of the response is provided in Appendix B of this application.

2.2.2 Question 2a

The application being made is considered to fall under the definition of a substantial variation. The reason for this is that it seeks to add a new listed activity for the treatment of hazardous waste by repackaging / bulking at a throughput of >10 tonnes per day.

2.2.3 Questions 3a – 3d

Question 3 is required to be completed where the application seeks to add a waste installation or operation to an EP that has not previously had them. A new listed activity is proposed; this part of the form is therefore applicable and has been completed.

The applicant can confirm that none of the relevant persons listed above have been convicted of any relevant offence, defined in the guidance as being one relating to the environment or environmental regulation.

The applicant can confirm that it can continue to provide sufficient technical ability for the EP following variation. Technical competence is currently demonstrated through the EU skills scheme. A copy of the current Competence Management System (CMS) certificate is provided in Appendix C of this variation application.

The applicant can confirm that none of the relevant persons listed above have/had current/past bankruptcy or insolvency proceeding against them, either in their role for the applicant or as a relevant person for another company.

The applicant operates its existing permitted facilities in accordance with a formal integrated management system. The system is certified by BSi to ISO 14001 for environmental management. The applicant also holds certification for PAS 99 (integrated management), ISO 9001 (quality management), ISO 45001 (occupational health and safety management), ISO 50001 (energy management), and CMS (competence management system scheme). A summary of the management system is provided in Appendix D of this variation application.

2.2.4 Question 4

Question 4 requires confirmation of the sewerage undertaker where a discharge is part of the activity being applied for. There is an existing discharge consent for the facility. A copy is provided in Appendix A alongside the current EP document. The proposed transfer activity will result in an

increase in the quantity of water being discharged under this consent but this will be primarily the increase in bin washing required. The applicant anticipates that a second bin wash system (the same as the existing one) will be installed to facilitate the increased site throughput. In terms of quality of the water discharged, this is not anticipated to change as the waste types remain as currently permitted.

There is surface water emission point W1 in the CWI permit that allows for the discharge to surface water of uncontaminated roof water and surface water from hard standings. This remains unaffected by the proposals as all activities will be undertaken within the existing building.

2.2.5 Question 5

Question 5a requires site plans to be provided in support of the variation application where appropriate. The application seeks to add a new activity, within the EP boundary. A revised internal layout plan has been generated to present the proposed activities (and to confirm storage capacities by both no. of bins or pallets and tonnage) and is provided in **Appendix E** of this variation application (drawing ref. DG/EN/CWI/SK/1175, Issue 2, dated 16 February 2022).

Question 5b requires a site report to be produced for any extra land that is to be included in the EP. The EP boundary is not subject to change as a result of this application; a site report is therefore not required.

Question 5c requires the provision of a non-technical summary. This has been produced and is provided in **Appendix F** of this variation application.

Question 5d requires the submission of a fire prevention plan if the facility includes the storage of combustible waste. Advice provided by the EA confirms that the EA considers that the accident and fire prevention measures specified in the healthcare waste sector guidance are appropriate and sufficient for managing the fire risks of healthcare waste. As such, no FPP has been submitted with the variation application.

Question 5f requires the provision of a baseline report where the application is seeking to add an installation. A site condition report was produced for the current EP application in 2003 and is considered to remain valid and applicable (ref. Environ UK Limited 61-C5458C, Issue 3, November 2002). The existing EP includes a requirement for Grundon to carry out annual grass and soil monitoring at locations agreed with the EA (Table S4.5). Results are compared with pre-operational values in order to identify any contamination issues. This approach remains appropriate and applicable and with the inclusion of the proposed additional activity this means that there is an up to date assessment of ground quality prior to the additional activity commencing.

2.2.6 Question 6

Question 6 requires the provision of an environmental risk assessment (ERA).

There is an existing qualitative assessment in place at the site for the current activities and it follows the EA's source-pathway-receptor model. It was submitted with the 2003 application for the current EP.

Whilst the purpose of this variation application is to add new activities (the repackaging / bulking of hazardous and non-hazardous wastes pending transfer off site), it does not change the waste types nor does it amend the EP boundary. The new activity has however been assessed, and this application presents an ERA which assesses just the changes and comprises an addendum to the existing ERA. The EA pre-application advice (Appendix B of this variation application) identifies one site that is designated as a SAC (Windsor Forest & Great Park), one SPA (South West London Waterbodies – this is also a Ramsar site), two SSSIs (Staines Moor and Wraysbury Reservoir), one Local Nature Reserve (Arthur Jacob Nature Reserve), and a number of LWSs, ancient woodland, and protected species /

habitats – all within the EA’s screening distance. These have been explicitly considered in the ERA addendum, a copy of which is provided in **Appendix G**.

2.3 Form Part C3

2.3.1 Question 1

The existing permit is for a clinical waste incineration plant, a Listed Activity. This is the main activity, however the proposal is to add a second listed activity (physical treatment of hazardous waste), a DAA to that (storage of repackaged/bulked hazardous waste) and a waste operation (physical treatment of non-hazardous waste).

Form Part C3 has been completed for the proposed listed activity and DAA only.

No daily processing limit is applied in the current EP, nor an annual throughput limit. For the purposes of completing Table 1a of the form, an estimate has been made for the new activities of up to 45 tonnes per day for repackaging/bulking (approximately 30 tonnes of this will be hazardous waste, 15 tonnes non-hazardous) and total of 45 tonnes of hazardous, 12 tonnes of non-hazardous pharmaceutical, and 28 tonnes of predominantly offensive waste stored at any one time. These are maximums and it is likely that the facility will operate below these levels. With respect to storage, under normal operating conditions the transfer of bagged waste will take place on the same day as it is received, whilst hazardous plastics and sharps will be collected at least daily with 2 loads per day a couple of times a week.

Theoretical throughput, based on the 45 tonnes per day set out above, would be 16,425 tonnes per year. However this is based on 365 days per year and doesn’t account for planned and unplanned downtime. In reality the expectation is that throughput will be <10,000 tonnes per year.

The existing permitted waste types are set out in Table S3.1 of the EP. This application does not seek to amend this.

2.3.2 Question 2

No new fixed equipment will be required, that will have any point source emissions, or indeed fugitive emissions.

2.3.3 Question 3

Question 3a relates to operating techniques and technical standards. The techniques that would be applied to the pre-acceptance and acceptance of waste are unchanged from those already permitted, therefore all the techniques referred to in Table S1.2 of the permit remain relevant and applicable. Waste will be received at reception, weighed and stored in a dedicated area pending repackaging/bulking for transfer off site. Each container will be labelled with the duty of care information required for onward transfer.

Question 3c relates to raw materials. No new raw materials will be required for the proposed transfer activity. There will however be an increase in water and detergent usage for bin washing.

The applicant monitors the use of raw materials as an ongoing activity and carries out regular reviews to identify any changes or anomalies, and to review alternatives that may offer a better environmental option at that time.

2.3.4 Question 6

Question 6 requires information to be provided as to energy efficiency and changes in energy use resulting from the application.

Fundamentally the variation does not affect the energy consumption for the site. The repackaging and storage activities do not require the installation of any large equipment or plant; they will be

largely manual processes. It will be carried out within the existing building so will make use of existing lighting and other powered infrastructure.

A small conveyor system may be installed to facilitate the inspection and handling of bagged waste; the choice of equipment would take into consideration its energy consumption and an efficient system would be selected.

Energy use is monitored at the site and reviewed on a regular basis in order to identify any inconsistencies and/or opportunities for improvement.

2.4 Form Part C4

This part of the form is required when varying a waste operation. It has been filled in for completeness as the application seeks to add a new Waste Operation for the repackaging / bulking of non-hazardous waste, but duplicates much of the information provided in the other parts of the form.

2.5 Form Part F1

The application fee has been identified using the April 2019 EA Charging Scheme. Due to the addition of a new listed activity this is deemed to be a substantial variation. The applicable fee is defined as the new EP fee for that activity as follows:

- 5.3 Part A(1)(a)(iv) – Table 1.16 of the Charging Scheme, ref. 1.16.1. The new permit application fee is £16,001

The addition of the Waste Operation for the non-hazardous repackaging / bulking activity also incurs a fee, based on it being a normal variation to the existing permitted activity as follows:

- Table 1.6 of the Charging Scheme, ref. 1.6.1. The normal variation fee is £9,862.

The charging scheme includes a condition that allows the reduction of an application fee if the sum of the parts incurred for a variation exceed the cost that it would be for a new application. For this application, the new listed activity incurs the new application fee, but the waste operation would in fact only be £7,930 if it were for a new application (Table 1.16, activity reference 1.16.12). This is less than the normal variation fee for the CWI above. The appropriate fee for this application is therefore considered to be the sum of £16,001 and £7,930.

Payment of the application fee of £23,931 has been made by BACS, reference PSCAPPGRUND322.

EP Variation Application

Appendix A: Copy of EP and Discharge Consent

Lakeside Road CWI (EPR/BT2866IG/V004)

GR_2021.03 - March 2022

Variation notice with introductory note

Environmental Permitting (England & Wales) Regulations 2007

Grundon Waste Management Limited

**Grundon Clinical Waste Incinerator
Lakeside Road
Colnbrook
Slough
Berkshire
SL3 0EG**

Variation notice number

EA/EPR/BT2866IG/V003

Permit number

EPR/BT2866IG

Grundon Clinical Incinerator Permit Number EPR/BT2866IG

Introductory note

This introductory note does not form a part of the permit

The following notice, which is issued pursuant to regulation 20 and Part 1 of Schedule 5 of the Environmental Permitting (England and Wales) Regulations S.I.2007 No. 3538 (the Regulations), gives notice of the variation of an environmental permit to operate a regulated facility/facilities

The operator has applied for a variation to the permit to amend the averaging period for carbon monoxide emissions in line with WID and for other minor changes. This is an opportunity to provide a consolidated permit in the latest EPR template

Schedule 1 of this notice lists any deleted conditions, Schedule 2 lists any amended conditions and Schedule 3 lists any conditions that have been added.

| Status Log of the permit | | |
|---|-----------------------|----------------------------|
| Detail | Date | Response Date |
| Application BT2866 | Received 07/03/2003 | Duly made |
| Schedule 4 Notice requesting further information | Issued 21/03/03 | Response received 24/04/03 |
| Request by Agency to extend determination to 10/07/03 | Dated 03/06/03 | Agreed 12/06/03 |
| Request by Agency to extend determination to 01/09/03 | Dated 03/07/03 | Agreed 10/07/03 |
| Request by Agency to extend determination to 01/10/03 | Dated 07/08/03 | Agreed 15/08/03 |
| Request by Agency to extend determination to 01/11/03 | Dated 29/09/03 | Agreed 05/10/03 |
| Permit BT2866 | Effective 01/12/2003 | |
| Variation request Received | N/A Agency instigated | |
| Variation KP3333LW | Effective 01/09/2006 | |
| Variation request | Received 28/03/2009 | Duly Made |
| Variation EA/EPR/BT2866IG/V003 | Effective 06/07/2009 | |

| Other Part A installation permits relating to this installation | | |
|--|----------------------|----------------------|
| Operator | Permit Number | Date of Issue |
| Lakeside Energy from Waste Ltd | EPR/BT7116 | 14/11/2003 |

End of Introductory Note

Notice of variation

Environmental Permitting
(England and Wales) Regulations 2007

Permit number

EPR/BT2866IG

The Environment Agency in exercise of its powers under Regulation 20 of the Environmental Permitting (England and Wales) Regulations 2007 (SI 2000 No 3538) varies the permit as set out below.

Grundon Waste Management Limited ("the operator"),

whose registered office is
Goulds Grove
Ewelme
Wallingford
Oxfordshire
OX10 6PJ

company registration number 4245965

to operate a facility comprising an installation at
Grundon Clinical Waste Incinerator
Lakeside Road
Colnbrook
Slough
Berkshire
SL3 0EG

The notice shall take effect from 06 July 2009

| Name | Date |
|-----------------|---------------------------|
| David Nicholson | 3 rd July 2009 |

David Nicholson

Authorised on behalf of the Agency

Schedule 1 – conditions to be deleted

The following conditions are deleted

All conditions in the document referenced BT2866/KP3333LW

Schedule 2 – conditions to be amended

None

Schedule 3 – conditions to be added

The following conditions are added to the permit

All conditions in the document referenced EA/EPR/BT2866IG/V003

Generic Conditions

1 Management

1.1 General management

1.1.1 The activities shall be managed and operated:

- (a) in accordance with a management system, which identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances and closure and those drawn to the attention of the operator as a result of complaints; and
- (b) by sufficient persons who are competent in respect of the responsibilities to be undertaken by them in connection with the operation of the activities.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

1.2 Accident management plan

1.2.1 The operator shall:

- (a) maintain and implement an accident management plan;
- (b) review and record at least every 4 years or as soon as practicable after an accident, (whichever is the earlier) whether changes to the plan should be made;
- (c) make any appropriate changes to the plan identified by a review.

1.3 Energy efficiency

1.3.1 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) review and record at least every 4 years whether there are suitable opportunities to improve the energy efficiency of the activities; and
- (c) take any further appropriate measures identified by a review.

1.4 Efficient use of raw materials

1.4.1 The operator shall:

- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
- (b) maintain records of raw materials and water used in the activities;
- (c) review and record at least every 4 years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and

- (d) take any appropriate further measures identified by a review.

1.5 Avoidance, recovery and disposal of wastes produced by the activities

1.5.1. The operator shall:

- (a) take appropriate measures to ensure that waste produced by the activities is avoided or reduced, or where waste is produced it is recovered wherever practicable or otherwise disposed of in a manner which minimises its impact on the environment;
- (b) review and record at least every 4 years whether changes to those measures should be made; and
- (c) take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

2.1.1 The operator is authorised to carry out the activities specified in schedule 1 table S1.1 (the "activities").

2.2 The site

2.2.1 The activities shall not extend beyond the site, being the land shown edged in red on the site plan at schedule 2 to this permit, which is within the area edged in blue on the site plan that represents the extent of the installation covered by this permit and that of the other operators of the installation.

2.3 Operating techniques

2.3.1 (a) The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Agency.

(b) If notified by the Agency that the activities are giving rise to pollution, the operator shall submit to the Agency for approval within the period specified, a revision of any plan specified in schedule 1, table S1.2 or otherwise required under this permit, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Agency.

2.3.3 Waste shall only be accepted if:

- (a) it is of a type and quantity listed in schedule 3 table S3.1 and
- (b) it conforms to the description in the documentation supplied by the producer and holder.

2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:

- (a) the nature of the process producing the waste;

- (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazard classification associated with the waste; and
 - (e) the waste code of the waste.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.
- 2.3.6 The operator shall ensure that prior to accepting waste at the site, it has obtained sufficient information about the hazardous wastes to be burned to demonstrate that emission limits can be complied with.
- 2.3.7 The operator shall take representative samples of hazardous waste deliveries to the site where it is feasible and safe to do so, as agreed in writing with Agency and test a representative selection of these samples to verify conformity with the information obtained as required by condition 2.3.6. These samples shall be retained for inspection by the Agency for a period of at least one month after the material is incinerated and results of any analysis made of such samples will be retained for at least two years after the material is incinerated
- 2.3.8 Waste shall not be charged, or shall cease to be charged, if:
- (a) the secondary combustion chamber temperature is below, or falls below, 1100 °C or
 - (b) any continuous emission limit value in Table Schedule 4 S 4.1(a) is exceeded; or
 - (c) any continuous emission limit value in Table Schedule 4 S 4.1 is exceeded, other than under WID abnormal operating conditions ; or
 - (d) monitoring results required to demonstrate compliance with any continuous emission limit value in Table Schedule 4 S 4.1 are unavailable other than under WID abnormal operating conditions
- 2.3.9 The operator shall have at least one auxiliary burner in the secondary combustion chamber at start-up or shut-down or whenever the operating temperature falls below that specified in condition 2.3.8 as long as incompletely burned waste is present in the primary combustion chamber. Unless the temperature specified in condition 2.3.8 is maintained in the secondary chamber, such burner(s) may be fed only with fuels which result in emissions no higher than those arising from the use of gas oil, liquefied gas or natural gas.
- 2.3.10 The operator shall record the beginning and end of each period of WID abnormal operation.
- 2.3.11 During a period of WID abnormal operation, the operator shall restore normal operation of the failed equipment or replace the failed equipment as rapidly as possible.
- 2.3.12 Where, during WID abnormal operation, any of the following situations arise, the operator shall, as soon as is practicable, cease the burning of waste until normal operation can be restored:
- (a) continuous measurement shows that an emission exceeds any emission limit value in Table Schedule 4 S 4.1 due to disturbances or failures of the abatement systems, or continuous emission monitor(s)
 - (b) the cumulative duration of WID abnormal operation periods over one calendar year exceeds 60 hours on an incineration line;
 - (c) continuous measurement shows that an emission exceeds any emission limit value in Table Schedule 4 S 4.1 (a) due to disturbances or failures of the abatement systems;
 - (d) the alternative techniques to demonstrate compliance with the WID abnormal operation emission limit value(s) for particulates, TOC and / or CO in Table Schedule 4 S 4.1 (a), as detailed in the application or as agreed in writing with the Agency, are unavailable.

- 2.3.13 The operator shall interpret the end of the period of WID abnormal operation as the earliest of the following:
- (a) when the failed equipment is repaired and brought back into normal operation;
 - (b) when the operator initiates a shut-down of the waste combustion activity, as described in the application or as agreed in writing with the Agency;
 - (c) when a period of 4 hours has elapsed from the start of the WID abnormal operation;
 - (d) when, in any calendar year, an aggregated period of 60 hours WID abnormal operation has been reached for a given incineration line.
- 2.3.14 Infectious clinical waste must be received in sealed bags or bins and must not be opened prior to incineration.
- 2.3.15 Bottom ash and APC residues shall not be mixed.

2.4 Improvement programme

- 2.4.1 There are no improvement conditions

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 4 tables S4.1 and S4.2 except in WID abnormal operation, when there shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 4 tables S4.1(a) and S4.2.
- 3.1.2 The limits given in schedule 4 shall not be exceeded.
- 3.1.3 Wastes produced at the site shall, as a minimum, be sampled and analysed in accordance with Table schedule 4 S4.6. Additional samples shall be taken and tested and appropriate action taken, whenever:
- (a) disposal or recovery routes change; or
 - (b) it is suspected that the nature or composition of the waste has changed such that the route currently selected may no longer be appropriate.

3.2 Fugitive emissions of substances

- 3.2.1 Fugitive emissions of substances (excluding odour, noise and vibration) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including those specified in any approved fugitive emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
- (a) if notified by the Agency that the activities are giving rise to pollution, submit to the Agency for approval within the period specified, a fugitive emissions management plan;
 - (b) implement the approved fugitive emissions management plan, from the date of approval, unless otherwise agreed in writing by the Agency.

- 3.2.3 All liquids, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures, including those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.

3.4 Noise and vibration

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures, including those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.4.2 Noise assessments, resulting from noise monitoring at agreed locations, shall be carried out to demonstrate that the noise from the Permitted Installation shall not exceed the level in Table 3.4.1

| Location | L Aeq, 5 minute dB(A) | Assessment Frequency |
|-----------------|------------------------------|-----------------------------|
| Pippins School | 39 | Bi-annual |
| The Hawthorns | 39 | Bi-annual |
| Myrtle Close | 39 | Bi-annual |

- 3.4.2 The operator shall:
- (a) if notified by the Agency that the activities are giving rise to annoyance outside the site due to noise and vibration, submit to the Agency for approval within the period specified, a noise and vibration management plan;
 - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Agency.

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Agency, undertake the monitoring specified in the following tables in schedule 4 to this permit:
- (a) point source emissions specified in tables S4.1, and S4.1(a);
 - (c) noise specified in table S4.3;
 - (d) ambient air monitoring specified in table S4.4;
 - (e) land specified in table S4.5
 - (f) residue quality in table S4.6

- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.6.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate) unless otherwise agreed in writing by the Agency. Newly installed CEMs, or CEMs replacing existing CEMs, shall have MCERTS certification and have an MCERTS certified range which is not greater than 1.5 times the daily emission limit value (ELV) specified in Table 2.2.2. The CEM shall also be able to measure instantaneous values over the ranges which are to be expected during all operating conditions. If it is necessary to use more than one range setting of the CEM to achieve this requirement, the CEM shall be verified for monitoring supplementary, higher ranges..
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 4 tables S4.1, S4.2 and S4.3 unless otherwise specified in that schedule.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by the Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.
- 4.1.2 All records, plans and the management system required to be maintained by this permit shall be held on the site.

4.2 Reporting

- 4.2.1 All reports and notifications required by the permit shall be sent to the Agency using the contact details supplied in writing by the Agency
- 4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Agency by 31 January (or other date agreed in writing by the Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
 - (b) the annual production /treatment data set out in schedule 5 table S5.2; and
 - (c) the performance parameters set out in schedule 5 table S5.3 using the forms specified in table S5.4 of that schedule.
 - (d) the functioning and monitoring of the incineration plant in a format agreed with the Environment Agency. The report shall, as a minimum requirement (as required by Article 12(2) of the Waste Incineration Directive) give an account of the running of the process and the emissions into air and water compared with the emission standards in the WID.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 5 table S5.1;
 - (b) for the reporting periods specified in schedule 5 table S5.1 and using the forms specified in schedule 5 table S5.4 ; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding 4 years, submit to the Agency, within 6 months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.
- 4.2.5 Within one month of the end of each quarter, the operator shall submit to the Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.3 Notifications

- 4.3.1 The Agency shall be notified without delay following the detection of:
- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution;
 - (b) the breach of a limit specified in the permit; or
 - (c) any significant adverse environmental effects.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 6 to this permit within the time period specified in that schedule.
- 4.3.3 Where the Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Agency when the relevant monitoring is to take place. The operator shall provide this information to the Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 The Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address;
- (b) any change to particulars of the operator's ultimate holding company (including details of an ultimate holding company where an operator has become a subsidiary); and
- (c) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

4.3.6 The Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.

4.3.7 Where the operator has entered into a climate change agreement with the Government, the Agency shall be notified within one month of:

- (a) a decision by the Secretary of State and the Welsh Ministers not to re-certify the agreement;
- (b) a decision by either the operator or the Secretary of State and the Welsh Ministers to terminate the agreement; and
- (c) any subsequent decision by the Secretary of State and the Welsh Ministers to re-certify such an agreement.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 7 shall have the meaning given in that schedule.

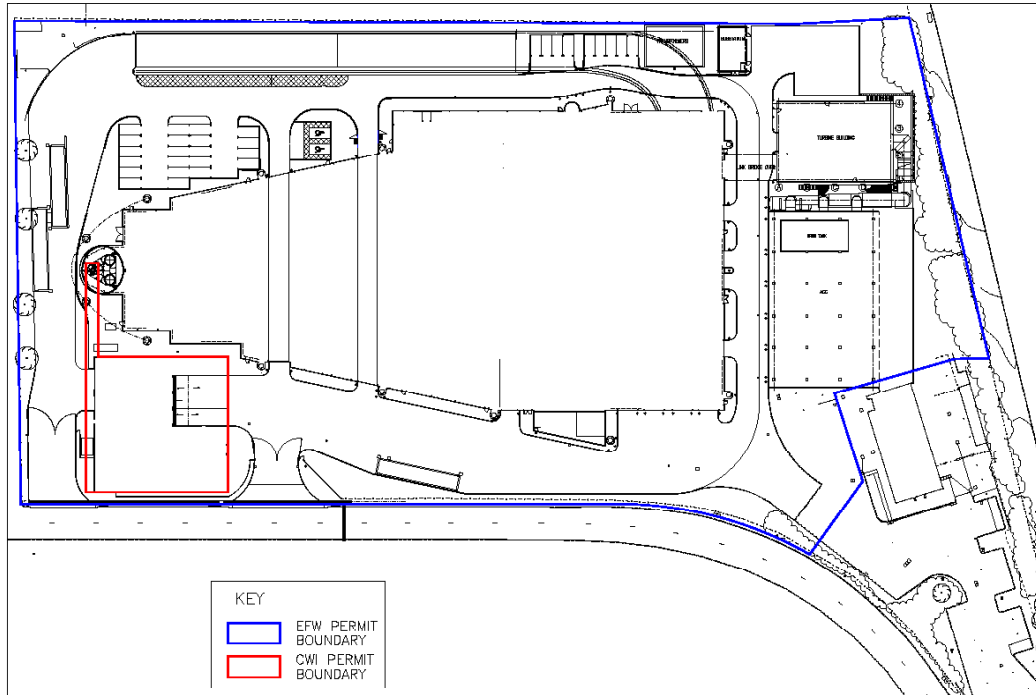
4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

Schedule 1 - Operations

| Table S1.1 activities | | | |
|------------------------------|--|---|--|
| Activity reference | Activity listed in Schedule 1 of the EP Regulations | Description of specified activity | Limits of specified activity and waste types |
| A1 | Section 5.1 Part A(1) (a) | Incineration of Clinical and Hazardous wastes | Entire plant from receipt of waste to disposal of residues |

| Table S1.2 Operating techniques | | |
|--|---|----------------------|
| Description | Parts | Date Received |
| Application | Response to question B2.1 given in section 2.1 of the Application, Response to question B2.2 given in section 2.2 of the Application, Response to question B2.3 given in section 2.3 of the Application, Response to question B2.4 given in section 2.4 of the Application. Response to question B2.5 given in section 2.5 of the Application, Response to question B2.6 given in section 2.6 of the Application, Response to question B2.7 given in section 2.7 of the Application. Response to question B2.8 given in section 2.8 of the Application. Response to question B2.9 given in section 2.9 of the Application. Response to question B2.10 given in section 2.10 of the Application. Response to question B2.11 given in section 2.11 of the Application | 07/01/2003 |
| Schedule 4 Notice dated 18/03/2003 | Response to questions 30, 31, 32, 33, 34, 35, 36, 37, 50, 51, 52, 53 and 54 | 13/04/2003 |
| Variation Application | Application | 28/03/2009 |

Schedule 2 - Site plan



Schedule 3 - Waste types, raw materials and fuels

Table S3.1 Permitted waste types and quantities for Incineration

| Waste code | Description |
|------------|--|
| 01 | WASTE RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS |
| 01 01 | Wastes from mineral excavation |
| | Excluding 01 03 04* |
| 01 05 | Drilling muds and other drilling wastes |
| 02 | WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING FOOD PREPARATION AND PROCESSING |
| 02 01 | Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing |
| 02 02 | wastes from the preparation and processing of meat, fish and other foods of animal origin |
| 02 03 | Wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation |
| 02 04 | Waste from sugar processing |
| | Excluding 02 04 03 |
| 02 05 | Wastes from the dairy products industry |
| | Excluding 02 05 02 |
| 02 06 | Wastes from the baking and confectionery industry |
| | Excluding 02 06 03 |
| 02 07 | Wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa) |
| | Excluding 02 07 05 |
| 03 | WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD |
| 03 01 | Wastes from wood processing and the production of panels and furniture |
| 03 02 | Wastes from wood preservation |
| 03 03 | Wastes from pulp, paper and cardboard production and processing |
| 04 | WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES |
| 04 01 | Wastes from the leather and fur industry |
| 04 02 | Wastes from the textile industry |
| 06 | WASTES FROM INORGANIC CHEMICAL PROCESSES |
| 06 01 | Wastes from the manufacture, formulation, supply and use (MFSU) of acids |

06 02 Wastes from the MFSU of bases

06 03 Wastes from the MFSU of salts and their solutions and metallic oxides

06 04 Metal-containing wastes other than those mentioned in 06 03

06 05 Sludges from on-site effluent treatment

06 06 Wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes

06 07 Wastes from the MFSU of halogens and halogen chemical processes

06 08 Wastes from the MFSU of silicon and silicon derivatives

06 09 Wastes from the MFSU of phosphorus chemicals and phosphorous chemical processes

Excluding 06 09 02

06 10 Wastes from the MFSU of nitrogen chemicals, nitrogen chemical processes and fertiliser manufacture

06 13 Wastes from inorganic chemical processes not otherwise specified

07 WASTES FROM ORGANIC CHEMICAL PROCESSES

07 01 Wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals

07 02 Wastes from the MFSU of plastics, synthetic rubber and man-made fibres

07 03 Wastes from the MFSU of organic dyes and pigments (except 06 11)

07 04 Wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides

07 05 Wastes from the MFSU of pharmaceuticals

07 06 Wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics

07 07 Wastes from the MFSU of fine chemicals and chemical products not otherwise specified

08 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS,) ADHESIVES, SEALANTS AND PRINTING INKS

08 01 Wastes from MFSU and removal of paint and varnish

08 02 Wastes from MFSU of other coatings (including ceramic materials)

Excluding 08 02 02, 08 02 03

08 03 Wastes from MFSU of printing inks

08 04 Wastes from MFSU of adhesives and sealants (including waterproofing products)

08 05 Wastes not otherwise specified in 08

09 WASTES FROM THE PHOTOGRAPHIC INDUSTRY

09 01 Wastes for the photographic industry

11 01 wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodizing)

11 02 Wastes from non-ferrous hydrometallurgical processes

11 03 Sludges and solids from tempering processes

12 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS

12 01 Wastes from shaping and physical and mechanical surface treatment of metals and plastics

12 03 Wastes from water and steam degreasing processes (except 11)

13 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)

13 01 Waste hydraulic oils

13 02 Waste engine, gear and lubricating oils

13 03 Waste insulating and heat transmission oils

13 04 Bilge oils

13 05 Oil/water separator contents

13 07 Wastes of liquid fuels

13 08 oil wastes not otherwise specified

14 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08)

14 06 Waste organic solvents, refrigerants and foam/aerosol propellants

15 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED

15 01 Packaging (including separately collected municipal packaging waste)

15 02 Absorbents, filter materials, wiping cloths and protective clothing

16 WASTES NOT OTHERWISE SPECIFIED IN THE LIST

16 01 End-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)

Excluding 16 01 01, 16 01 06, 16 01 08, 16 01 16

16 02 Wastes from electrical and electronic equipment

16 03 Off-specification batches and unused products

16 04 Waste explosives

16 05 Gases in pressure containers and discarded chemicals

16 06 Batteries and accumulators

Excluding 16 06 03*

16 07 Wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)

16 08 Spent catalysts

16 09 Oxidising substances

16 10 Aqueous liquid wastes destined for off-site treatment

16 11 Wastes linings and refractories

17 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)

17 01 Concrete, bricks and ceramics

Excluding 17 01 01, 17 01 02, 17 01 03, 17 01 07

17 02 Wood, glass and plastics

17 03 Bituminous mixtures, coal tar and tarred products

17 04 metals (including their alloys)

17 05 soil (including excavated soil from contaminated sites), stones and dredging spoil

17 06 Insulation materials and asbestos-containing construction materials

Excluding 17 06 01*, 17 06 05*

17 08 gypsum –based construction material

17 09 Other construction and demolition waste

18 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)

18 01 Wastes from natal care, diagnosis, treatment or prevention of disease in humans

18 02 wastes from research, diagnosis, treatment or prevention of disease involving animals

19 WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WASTER TREATMENT PLANTS AND THE PREPARATION OF WASTER INTENDED FOR HUMAN CONSUMPTION AND WASTER FOR INDUSTRIAL USE

19 01 Wastes from incineration or pyrolysis of waste

Excluding 19 01 02, 19 01 05, 19 01 11*, 19 01 12, 19 01 13*, 19 01 14, 19 01 17*, 19 01 18, 19 01 19

19 02 Wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)

19 03 Stabilised/solidified wastes (19)

19 05 wastes from aerobic treatment of solid waste

19 06 wastes from anaerobic treatment of municipal waste

19 06 wastes from anaerobic treatment of municipal waste

19 07 landfill leachate

19 08 wastes from water treatment plants not otherwise specified

19 09 wastes from the preparation of water intended for human consumption or water for industrial use

19 10 wastes from shredding

19 12 wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified

19 13 wastes from soil and groundwater remediation

20 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS

20 01 Separately collected fractions (except 15 01)

20 02 garden and park wastes (including cemetery waste)

20 03 Other municipal wastes

Schedule 4 – Emissions and monitoring

| Table S4.1 Point source emissions to air – emission limits and monitoring requirements | | | | | | |
|---|----------------------------|---------------|-------------------------------|-------------------------------------|-----------------------------|--|
| Emission point ref. & location | Parameter | Source | Limit (including unit) | Reference period | Monitoring frequency | Monitoring standard or method |
| A1 | Particulate matter | | 30 mg/m ³ | ½-hr average | Continuous measurement | BS EN 13284-2 [Note 5] [Note 7] |
| A1 | Particulate matter | | 10 mg/m ³ | daily average | Continuous measurement | BS EN 13284-2 [Note 5] [Note 7] |
| A1 | Total Organic Carbon (TOC) | | 20 mg/m ³ | ½-hr average | Continuous measurement | BS EN 12619 [Note 5] [Note 7] |
| A1 | Total Organic Carbon (TOC) | | 10 mg/m ³ | daily average | Continuous measurement | BS EN 12619 [Note 5] [Note 7] |
| A1 | Hydrogen chloride | | 60 mg/m ³ | ½-hr average | Continuous measurement | MCERTS certified instruments [Note 6] [Note 7] |
| A1 | Hydrogen chloride | | 10 mg/m ³ | daily average | Continuous measurement | MCERTS certified instruments [Note 6] [Note 7] |
| A1 | Hydrogen chloride | | 30 mg/m ³ | periodic over minimum 1-hour period | Bi-annual | BS EN 1911 |
| A1 | Hydrogen fluoride | | 2 mg/m ³ | periodic over minimum 1-hour period | Bi-annual | USEPA Method 26/26A |

| | | | | | |
|----|--|------------------------|--|---|---|
| A1 | Carbon monoxide | 150 mg/m ³ | 95% of all 10-minute averages in any 24-hour period | Continuous measurement | ISO 12039 [Note 3] [Note 7] |
| A1 | Carbon monoxide | 50 mg/m ³ | daily average | Continuous measurement | ISO 12039 [Note 3] [Note 7] |
| A1 | Sulphur dioxide | 200 mg/m ³ | ½-hr average | Continuous measurement | BS 6069-4 [Note 4] [Note 7] |
| A1 | Sulphur dioxide | 50 mg/m ³ | daily average | Continuous measurement (See Drafting Note above) | BS 6069-4 [Note 4] [Note 7] |
| A1 | Sulphur dioxide | 50 mg/m ³ | periodic over minimum 4 hour period, data to be reported as ½ hour averages | Bi-annual | BS 6069-4.1 |
| A1 | Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) [Note 8] | 400 mg/m ³ | ½-hr average | Continuous measurement | ISO 10849 [Note 4] [Note 7] |
| A1 | Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) [Note 8] | 200 mg/m ³ | daily average | Continuous measurement | ISO 10849 [Note 4] [Note 7] |
| A1 | Cadmium & thallium and their compounds (total) [Note 1] | 0.05 mg/m ³ | periodic over minimum 30 minute, maximum 8 hour period | Bi-annual | BS EN 14385 |
| A1 | Mercury and its compounds [Note 1] | 0.05 mg/m ³ | periodic over minimum 30 minute, maximum 8 hour period | Bi-annual | BS EN 13211 |
| A1 | Sb, As, Pb, Cr, Co, Cu, Mn, Ni and V and their compounds (total) [Note 1] | 0.5 mg/m ³ | periodic over minimum 30 minute, maximum 8 hour period | Bi-annual | BS EN 14385 |
| A1 | Dioxins / furans (I-TEQ) | 0.1 ng/m ³ | periodic over minimum 6 hours, maximum 8 hour period [Note 2] | Bi-annual | BS EN 1948 |
| A1 | Dioxin-like PCBs (WHO-TEQ Humans / Mammals) | | bi-annual periodic measurement average value over sample period of between 6 and 8 hours. [Note 2] | | To be determined utilising sampling and analytical techniques developed for dioxins/furans (BS EN 1948) |

| | | | |
|----|---|--|---|
| A1 | Dioxin-like PCBs (WHO-TEQ Fish) | bi-annual periodic measurement average value over sample period of between 6 and 8 hours. ^[Note 2] | To be determined utilising sampling and analytical techniques developed for dioxins/furans (BS EN 1948) |
| A1 | Dioxin-like PCBs (WHO-TEQ Birds) | bi-annual periodic measurement average value over sample period of between 6 and 8 hours. ^[Note 2] | To be determined utilising sampling and analytical techniques developed for dioxins/furans (BS EN 1948) |
| A1 | Specific individual poly-cyclic aromatic hydrocarbons (PAHs), as specified in Schedule 7. | bi-annual periodic measurement average value over sample period of between 6 and 8 hours. | Procedure shall use BS ISO 11338-1 and BS-ISO 11338- 2. |
| A1 | Dioxins / furans (WHO-TEQ Humans / Mammals) | bi-annual periodic measurement average value over sample period of between 6 and 8 hours. ^[Note 2] | To be determined utilising sampling and analytical techniques developed for dioxins/furans (BS EN 1948) |
| A1 | Dioxins / furans (WHO-TEQ Fish) | bi-annual periodic measurement average value over sample period of between 6 and 8 hours. ^[Note 2] | To be determined utilising sampling and analytical techniques developed for dioxins/furans (BS EN 1948) |
| A1 | Dioxins / furans (WHO-TEQ Birds) | bi-annual periodic measurement average value over sample period of between 6 and 8 hours. ^[Note 2] | To be determined utilising sampling and analytical techniques developed for dioxins/furans (BS EN 1948) |

Note 1: Metals include gaseous, vapour and solid phases as well as their compounds (expressed as the metal or the sum of the metals as specified). Sb, As, Pb, Cr, Co, Cu, Mn, Ni and V mean antimony, arsenic, lead, chromium, cobalt, copper, manganese, nickel and vanadium respectively.

Note 2: The I-TEQ or WHO-TEQ sum of the equivalence factors to be reported as a range based on: All congeners less than the detection limit assumed to be zero as a minimum, and all congeners less than the detection limit assumed to be at the detection limit as a maximum.

Note 3: The Continuous Emission Monitors used shall be such that the values of the 95% confidence intervals of a single measured result at the daily emission limit value shall not exceed 10%. Valid 10-minute average values shall be determined within the effective operating time (excluding the start-up and shut-down periods) from the measured values after having subtracted this value of the confidence interval (10%). Where it is necessary to calibrate or maintain the monitor and this means that data is not available for a complete 10-minute, the 10-minute average shall nonetheless be considered valid if measurements are available for a minimum of 7 minutes during the 10-minute period. The number of 10-minute averages so validated shall not exceed 15 per day. Daily average values shall be determined as the average of all the valid 10-minute average values within a calendar day. The daily average value will be considered valid if no more than fifteen 10-minute average values in any day have been determined not to be valid. No more than ten daily average values per year shall be determined not to be valid.

Note 4: The Continuous Emission Monitors used shall be such that the values of the 95% confidence intervals of a single measured result at the daily emission limit value shall not exceed 20%. Valid half-hourly average values shall be determined within the effective operating time (excluding the start-up and shut-down periods) from the measured values after having subtracted this value of the confidence interval (20%). Where it is necessary to calibrate or maintain the monitor and this means that data is not available for a complete half-hour period, the half-hourly average shall nonetheless be considered valid if measurements are available for a minimum of 20 minutes during the half-hour period. (The number of half-hourly averages so validated shall not exceed 5 (or such other number justified in the Application) per day). Daily average values shall be determined as the average of all the valid half-hourly average values within a calendar day. The daily average value will be considered valid if no more than five half-hourly average values in any day have been determined not to be valid. No more than ten daily average values per year shall be determined not to be valid.

Note 5: As Note 4, except that the value of the confidence interval is 30% in place of 10%.

Note 6: As Note 4, except that the value of the confidence interval is 40% in place of 10%.

Note 7: MCERTS certification to the appropriate ranges and determinands is a demonstration of compliance to the applicable standards.

| Table S4.1(a) Point source emissions to air during abnormal operation of incineration plant – emission limits and monitoring requirements | | | | | |
|--|----------------------------|-------------------------------|-------------------------|-----------------------------|--|
| Emission point ref. & location | Parameter | Limit (including unit) | Reference period | Monitoring frequency | Monitoring standard or method |
| A1 | Particulate matter | 150 mg/m ³ | ½-hr average | Continuous measurement | BS EN 13824-2 [Note 1] [Note 3] during abatement plant failure during failure of the continuous emission monitor |
| A1 | Total Organic Carbon (TOC) | 20 mg/m ³ | ½-hr average | Continuous measurement | BS EN 12619 [Note 1] [Note 3] during abatement plant failure during failure of the continuous emission monitor |
| A1 | Carbon monoxide | 100 mg/m ³ | ½-hr average | Continuous measurement | ISO 12039 [Note 2] [Note 3] during abatement plant failure during failure of the continuous emission monitor |

Note 1: The Continuous Emission Monitors used shall be such that the values of the 95% confidence intervals of a single measured result at the daily emission limit value shall not exceed 30%. Valid half-hourly average values shall be determined within the effective operating time from the measured values after having subtracted this value of the confidence interval (30%).

Note 2: As Note 1, except that the value of the confidence interval is 10% in place of 30%.

Note 3: MCERTS certification to the appropriate ranges and determinands is a demonstration of compliance to the applicable standards.

Table S4.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements

| Emission point ref. & location | Parameter | Source | Limit | Reference Period | Monitoring frequency | Monitoring standard or method |
|--------------------------------|-----------|---|-------|------------------|----------------------|-------------------------------|
| W1 | None | Uncontaminated roof water and surface water from hard standings | | | | |

Table S4.3 Noise monitoring requirements

| Location or description of point of measurement | Parameter | Monitoring frequency | Monitoring standard or method | Other specifications |
|---|-------------|----------------------|-------------------------------|--|
| As described in the report submitted in response to pre-operational condition 1.1.3 m | Sound level | Bi-annual | | The results with an assessment against pre-operational values shall be reported in writing annually to the Agency. |

Table S4.4 Ambient air monitoring requirements

| Location or description of point of measurement | Parameter | Monitoring frequency | Monitoring standard or method | Other specifications |
|--|--|----------------------|-------------------------------|--|
| Independent air quality assessment, at locations agreed with the Agency, | Nitrogen Dioxide Carbon Monoxide Sulphur Dioxide Particulates | Annually | | The results with an assessment against pre-operational values shall be reported in writing annually to the Agency. |

Table S4.5 Land monitoring requirements

| Location or description of point of measurement | Parameter | Monitoring frequency | Monitoring standard or method | Other specifications |
|--|---|----------------------|-------------------------------|---|
| Grass and soil monitoring programme at locations agreed with the Agency. | polychlorinated dibenzo- <i>p</i> -dioxins and polychlorinated dibenzofurans (PCDDs/PCDFs) and heavy metals | Annually | | The results with an assessment against pre-operational values shall be reported in writing annually to the Agency |

Table S4.6 Residue quality

| Emission point reference or source or description of point of measurement | Parameter | Limit | Monitoring frequency | Monitoring standard or method | Other specifications |
|--|---|-----------------------------|---|--|-----------------------------|
| Bottom Ash | TOC or LOI. | 3%(for TOC) 5% (for LOI) | Bi-annual | Agency ash sampling protocol. | |
| Bottom Ash | Metals (Antimony, Cadmium, Thallium, Mercury, Lead, Chromium, Copper, Manganese, Nickel, Arsenic, Cobalt, Vanadium, Zinc) and their compounds, dioxins/furans and dioxin-like PCBs. | | Bi-annual | Sampling and analysis as per Agency ash sampling protocol. | |
| Bottom Ash | Total soluble fraction and metals (Antimony, Cadmium, Thallium, Mercury, Lead, Chromium, Copper, Manganese, Nickel, Arsenic, Cobalt, Vanadium, Zinc) soluble fractions | | Before use of a new disposal or recycling route | Sampling and analysis as per Agency ash sampling protocol. | |
| APC Residues | Metals (Antimony, Cadmium, Thallium, Mercury, Lead, Chromium, Copper, Manganese, Nickel, Arsenic, Cobalt, Vanadium, Zinc) and their compounds, dioxins/furans and dioxin-like PCBs. | | Bi-annual | Sampling and analysis as per Agency ash sampling protocol. | |
| APC Residues | Total soluble fraction and metals (Antimony, Cadmium, Thallium, Mercury, Lead, Chromium, Copper, Manganese, Nickel, Arsenic, Cobalt, Vanadium, Zinc) soluble fractions | | Before use of a new disposal or recycling route | Sampling and analysis as per Agency ash sampling protocol. | |

Schedule 5 - Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S5.1 Reporting of monitoring data

| Parameter | Emission or monitoring point/reference | Reporting period | Period begins |
|---|--|---|---------------|
| Emissions to air Parameters as required by condition 3.5.1. | A1 | Monthly | 01 July 2009 |
| Noise monitoring Parameters as required by condition 3.5.1 | | Every 12 months Submission in September | 01 July 2009 |
| Ambient air monitoring Parameters as required by condition 3.5.1 | | Every 12 months Submission in September | 01 July 2009 |
| Land monitoring Parameters as required by condition 3.5.1 | | Every 12 months Submission in September | 01 July 2009 |
| Residue quality Parameters as required by condition 3.5.1 | | Every 6 months | 01 July 2009 |

Table S5.2: Annual production/treatment

| Parameter | Units |
|-------------------------|--------|
| Total Waste Incinerated | Tonnes |

Table S5.3 Performance parameters

| Parameter | Frequency of assessment | Units |
|-------------------------------|-------------------------|--------|
| Water usage | Annually | tonnes |
| Energy usage | Annually | MWh |
| Steam exported | Annually | Tonnes |
| Total lime used | Annually | tonnes |
| Total activated carbon used | Annually | tonnes |
| Periods of abnormal operation | Monthly | - |
| Periods of no operation | Monthly | - |

Table S5.4 Reporting forms

| Media/parameter | Reporting format | Date of form |
|------------------------------|--|--------------|
| Air | Continupus monitoring Form S3/A/1 or other form as agreed in writing by the Agency | 01/07/2009 |
| Air | Bi-annual periodic measurement Forms S3/A/2, S3/A/3, S3/A/4, S3/O/1 or other form as agreed in writing by the Agency | 01/07/2009 |
| Solid residues | Form S3/O/1 or other form as agreed in writing by the Agency | 01/07/2009 |
| Plant Operation | Forms S3/O/2, S3/O/3 | 01/07/2009 |
| Noise | Form S3/N/1 | 01/07/2009 |
| Other performance indicators | Form S3/P/1 or other form as agreed in writing by the Agency | 01/07/2009 |

Schedule 6 - Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

| | |
|--------------------------------|--|
| Permit Number | |
| Name of operator | |
| Location of Facility | |
| Time and date of the detection | |

| | |
|---|--|
| (a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution | |
| To be notified within 24 hours of detection | |
| Date and time of the event | |
| Reference or description of the location of the event | |
| Description of where any release into the environment took place | |
| Substances(s) potentially released | |
| Best estimate of the quantity or rate of release of substances | |
| Measures taken, or intended to be taken, to stop any emission | |
| Description of the failure or accident. | |

| | |
|---|--|
| (b) Notification requirements for the breach of a limit | |
| To be notified within 24 hours of detection unless otherwise specified below | |
| Emission point reference/ source | |
| Parameter(s) | |
| Limit | |
| Measured value and uncertainty | |
| Date and time of monitoring | |
| Measures taken, or intended to be taken, to stop the emission | |

| Time periods for notification following detection of a breach of a limit | |
|---|----------------------------|
| Parameter | Notification period |
| | |
| | |
| | |

| (c) Notification requirements for the detection of any significant adverse environmental effect | |
|--|--|
| To be notified within 24 hours of detection | |
| Description of where the effect on the environment was detected | |
| Substances(s) detected | |
| Concentrations of substances detected | |
| Date of monitoring/sampling | |

Part B - to be submitted as soon as practicable

| | |
|--|--|
| Any more accurate information on the matters for notification under Part A. | |
| Measures taken, or intended to be taken, to prevent a recurrence of the incident | |
| Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission | |
| The dates of any unauthorised emissions from the facility in the preceding 24 months. | |

| | |
|------------------|--|
| Name* | |
| Post | |
| Signature | |
| Date | |

* authorised to sign on behalf of Grundon Waste Management Limited

Schedule 7 - Interpretation

"abatement equipment" means that equipment dedicated to the removal of polluting substances from releases from the installation to air or water media.

"accident" means an accident that may result in pollution.

"annually" means once every year.

"APC residues" means air pollution control residues

"application" means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

"authorised officer" means any person authorised by the Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

"bi-annual" means twice per year with at least five months between tests;

"bottom ash" means ash falling through the grate and/or transported by the grate;

"CEM" Continuous emission monitor

"CEN" means Comité Européen de Normalisation

"daily average" for releases of substances to air means the average of valid half-hourly averages over a calendar day during normal operation.

"disposal" means any of the operations provided for in Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

"dioxin and furans" means polychlorinated dibenzo-p-dioxins and polychlorinated d benzofurans.

"emissions to land", includes emissions to groundwater

"EP Regulations" means The Environmental Permitting (England and Wales) Regulations SI 2007 No.3538 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

"fugitive emission" means an emission to air, water or land from the activities which is not controlled by an emission or background concentration limit.

"groundwater" means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

"incineration line" means all of the incineration equipment related to a common discharge to air location.

"infectious clinical waste" means clinical waste incorporating substances containing viable micro-organisms or their toxins which are known or reliably believed to cause disease in man or other living organisms

"ISO" means International Standards Organisation.

"LOI" means loss on ignition a technique used to determine the combustible material by heating the ash residue to a high temperature

"MCERTS" means the Environment Agency's Monitoring Certification Scheme.

"PAH" means Poly-cyclic aromatic hydrocarbon, and comprises Anthanthrene, Benzo[a]anthracene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Benzo[b]naph(2,1-d)thiophene, Benzo[c]phenanthrene,

Benzo[ghi]perylene, Benzo[a]pyrene, Cholanthrene, Chrysene, Cyclopenta[c,d]pyrene, Dibenzo[ah]anthracene, D benzo[a,i]pyrene Fluoranthene, Indo[1,2,3-cd]pyrene, Naphthalene

“PCB” means *Polychlorinated Biphenyl*. *Dioxin-like PCBs are the non-ortho and mono-ortho PCBs listed in condition 6.1.5*

“quarterly” for reporting/sampling means after/during each 3 month period, January to March; April to June; July to September and October to December and, when sampling, with at least 2 months between each sampling date.

“recovery” means any of the operations provided for in Annex IIB to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

“shutdown” is any period where the plant is being returned to a non-operational state and up to six hours from the time when the waste feed ceased.

“start-up” is any period where the plant has being non-operational, from the time at which waste is being feed into the primary combustion chamber and until waste has been fed into the plant in sufficient quantity to cover the hearth zones one and two.

“TOC” means *Total Organic Carbon*. In respect of releases to air, this means the gaseous and vaporous organic substances, expressed as TOC. In respect of Bottom Ash, this means the total carbon content of all organic species present in the ash (excluding carbon in elemental form).

Waste code means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

“WFD” means Waste Framework Directive (Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste).

“Waste Incineration Directive” means Directive 2000/76/EC on the incineration of waste (O.J. L 332, 28.12.2000)

“WID abnormal operation” means any technically unavoidable stoppages, disturbances, or failures of the abatement plant or the measurement devices [other than continuous emission monitors for releases to air of particulates, TOC and/or CO], during which the concentrations in the discharges into air and the purified waste water of the regulated substances may exceed the normal emission limit values.

“year” means calendar year ending 31 December.

Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- (a) in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- (b) in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content
- (c) in relation to gases from incineration plants other than those burning waste oil, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 11% dry,
- (d) where hazardous wastes are burned in an incineration or co-incineration plant and the emissions of pollutants are reduced by gas treatment, standardisation of the gas with respect to oxygen content shall be carried out only if the oxygen concentration measured over the same period exceeds the relevant oxygen content defined in conditions (a) – (c) above. In other cases, the measured emissions shall be standardised only for moisture, pressure and temperature.

For dioxins/furans and dioxin-like PCBs the determination of the toxic equivalence concentration (I-TEQ, & WHO-TEQ for dioxins/furans, WHO-TEQ for dioxin-like PCBs) stated as a release limit and/ or reporting requirement, the mass concentrations of the following congeners have to be multiplied with their respective toxic equivalence factors before summing.

| TEF schemes for dioxins and furans | | | | |
|------------------------------------|-------------|------------------|--------|--------|
| Congener | I-TEF(1990) | WHO-TEF (1997/8) | | |
| | | Humans / Mammals | Fish | Birds |
| Dioxins | | | | |
| 2,3,7,8-TCDD | 1 | 1 | 1 | 1 |
| 1,2,3,7,8-PeCDD | 0.5 | 1 | 1 | 1 |
| 1,2,3,4,7,8-HxCDD | 0.1 | 0.1 | 0.5 | 0.05 |
| 1,2,3,6,7,8-HxCDD | 0.1 | 0.1 | 0.01 | 0.01 |
| 1,2,3,7,8,9-HxCDD | 0.1 | 0.1 | 0.01 | 0.1 |
| 1,2,3,4,6,7,8-HpCDD | 0.01 | 0.01 | 0.001 | <0.001 |
| OCDD | 0.001 | 0.0001 | - | - |
| Furans | | | | |
| 2,3,7,8-TCDF | 0.1 | 0.1 | 0.05 | 1 |
| 1,2,3,7,8-PeCDF | 0.05 | 0.05 | 0.05 | 0.1 |
| 2,3,4,7,8-PeCDF | 0.5 | 0.5 | 0.5 | 1 |
| 1,2,3,4,7,8-HxCDF | 0.1 | 0.1 | 0.1 | 0.1 |
| 1,2,3,7,8,9-HxCDF | 0.1 | 0.1 | 0.1 | 0.1 |
| 1,2,3,6,7,8-HxCDF | 0.1 | 0.1 | 0.1 | 0.1 |
| 2,3,4,6,7,8-HxCDF | 0.1 | 0.1 | 0.1 | 0.1 |
| 1,2,3,4,6,7,8_HpCDF | 0.01 | 0.01 | 0.01 | 0.01 |
| 1,2,3,4,7,8,9-HpCDF | 0.01 | 0.01 | 0.01 | 0.01 |
| OCDF | 0.001 | 0.0001 | 0.0001 | 0.0001 |

| TEF schemes for dioxin-like PCBs | | | |
|----------------------------------|------------------|-----------|---------|
| Congener | WHO-TEF (1997/8) | | |
| | Humans / mammals | Fish | Birds |
| Non-ortho PCBs | | | |
| 3,4,4',5'-TCB (81) | 0.0001 | 0.0005 | 0.1 |
| 3,3',4,4'-TCB (77) | 0.0001 | 0.0001 | 0.05 |
| 3,3',4,4',5' - PeCB (126) | 0.1 | 0.005 | 0.1 |
| 3,3',4,4',5,5'-HxCB(169) | 0.01 | 0.00005 | 0.001 |
| Mono-ortho PCBs | | | |
| 2,3,3',4,4'-PeCB (105) | 0.0001 | <0.000005 | 0.0001 |
| 2,3,4,4',5'-PeCB (114) | 0.0005 | <0.000005 | 0.0001 |
| 2,3',4,4',5'-PeCB (118) | 0.0001 | <0.000005 | 0.00001 |
| 2',3,4,4',5'-PeCB (123) | 0.0001 | <0.000005 | 0.00001 |
| 2,3,3',4,4',5'-HxCB (156) | 0.0005 | <0.000005 | 0.0001 |
| 2,3,3',4,4',5'-HxCB (157) | 0.0005 | <0.000005 | 0.0001 |
| 2,3',4,4',5,5'-HxCB (167) | 0.00001 | <0.000005 | 0.00001 |
| 2,3,3',4,4',5,5'-HpCB (189) | 0.0001 | <0.000005 | 0.00001 |

END OF PERMIT



The Water Industry Act 1991

CONSENT

to discharge trade effluent into a public sewer



THAMES WATER UTILITIES LTD.
Water Industry Act 1991
Water Act 2003
Environmental Protection Act 1990
Environment Act 1995
Pollution Prevention and Control Act 1999
CONSENT TO THE DISCHARGE OF TRADE EFFLUENT

WHEREAS

1. Grundon Waste Management Limited
Thames House
Oxford Road
Benson
Oxfordshire
OX10 6LX

is/are the occupier(s)/owner(s) (hereinafter called THE APPLICANT) of the trade premises known as Clinical Waste Incinerator and situate at
Lakeside Road
Gate C
Colnbrook
Berkshire
SL3 0EG

(hereinafter called THE PREMISES) and by notice dated Seventeenth day of June, Two Thousand and Thirteen has/have made application to Thames Water Utilities Ltd. (hereinafter called THE COMPANY) to Consent to the discharge of Trade Effluent by him/her/them from THE PREMISES into the Company's public foul water and/or combined sewers.

2. NOW THEREFORE in exercise of the powers conferred upon it in that behalf as a sewerage undertaker by the Water Industry Act 1991, the Company

HEREBY CONSENTS to the discharge of Trade Effluent from the Premises into the sewer(s) (as hereinafter defined) subject to the following conditions:

Nature and composition

1. The nature and composition of the Trade Effluent (hereinafter called THE TRADE EFFLUENT) to be discharged under this Consent is: Waste liquids arising from boiler and steam system drain down and process area washdown.



- Sewer(s) affected 2. The sewer(s) into which the Trade Effluent may be discharged is/are the sewer(s) detailed below:
200mm Foul Sewer on Lakeside Road
- And more particularly shown in line(s) on the annexed plan and thereon coloured red.
The point(s) at or through which the Trade Effluent is to be discharged is/are shown on the said Plan and thereon marked blue.
- Maximum quantity to be discharged 3. The maximum quantity of the Trade Effluent which may be discharged on any one day of twenty-four hours determined from midnight to midnight shall not exceed 50.000m³.
- Maximum rate of discharge 4. a) The maximum rate at which the Trade Effluent may be discharged shall not exceed 5.000m³ per hour.
b) The maximum rate at which the Trade Effluent may be discharged shall not exceed 1.380 litres per second.
- Matter to be eliminated prior to discharge to the sewer(s) 5. (a) There shall be eliminated from the Trade Effluent before it is discharged into the sewer(s) any matter, which, either alone or in combination with any matter with which it is likely to come into contact while passing through any sewers, would injure or obstruct any such sewers or cause injury to and/or damage to the health of any person lawfully present in such sewers, pumping stations or sewage treatment works or would makespecially difficult or expensive the treatment or disposal of their contents and in particular but without prejudice to the generality of the foregoing words the following matters:-
(i) Petroleum spirit
(ii) Calcium carbide
(iii) Thiourea and thiourea derivatives
(iv) Non biodegradable detergents
(b) The Trade Effluent shall not contain substances listed in Schedule 1 of the Trade Effluents (Prescribed Processes and Substances) Regulations 1989, as amended, at a concentration greater than background concentration as defined in such regulations.
(c) The Trade Effluent shall not contain any of the substances listed in APPENDIX 1 at a concentration expressed in milligrams per litre greater than that stated.
- SEE APPENDIX 1
- Temperature 6. No Trade Effluent shall be discharged which has a temperature higher than 43.3 degrees Celsius (110 degrees Fahrenheit).
- Acidity or alkalinity 7. No Trade Effluent shall be discharged the pH value of which is less than 6.0 or greater than 11.0.
- Condensing water 8. No condensing water shall be discharged.



- Changes in occupier or process 9. The Applicant of the Premises shall forthwith give to the Company notice in writing of any changes or proposed changes in the company name, address, occupier, or processes of manufacture or the nature of the raw materials used or of any other circumstances which may alter the nature and composition or the volume of the Trade Effluent or may result in the permanent cessation of the discharge.
- Commencement of Discharge 10. The commencement date of this Consent will be the date on which the Consent is signed by the Company's Senior Consultant for Wastewater Quality (or any other officer or employee duly authorised by the Company for these purposes). The Applicant must not discharge the Trade Effluent before the commencement date.
- Payment 11. The Applicant of the Premises shall pay to the Company for the Trade Effluent discharged into the sewer
- (a) A sum calculated in accordance with the provisions contained in the Company's Charges Scheme together with
 - (b) The amount of any additional expenses which the Company may from time to time incur with respect to the monitoring, analysis, reception, treatment and disposal of the Trade Effluent.
- All sums payable to the Company under this condition shall become due and payable on demand.
- Entry and samples 12. The Applicant of the Premises shall permit duly authorised representatives of the Company to inspect, examine and test at all reasonable times any works and apparatus installed in connection with the Trade Effluent and to take samples of the Trade Effluent.
- Inspection 13. An inspection chamber or manhole shall be provided and maintained by the Applicant of the Premises in a suitable position defined in connection with each pipe through which the Trade Effluent being discharged and such inspection chamber or manhole shall be so constructed and maintained by the Applicant as to enable duly authorised representatives of the Company to take samples at any time of the matter passing into the sewer(s) from the Premises.
- Measurement and determination of discharge 14. (a) A notch gauge and continuous recorder or some other apparatus suitable and adequate for measuring and automatically recording the volume, nature, composition and rate of discharge of the Trade Effluent being discharged into the sewer(s) shall, if required by the Company be provided and maintained by the Applicant of the Premises to the satisfaction of the Company in connection with every pipe through which the Trade Effluent is being discharged.
- (b) It is a requirement of this Consent that if a trade effluent meter(s) is/are installed it/they will be calibrated at least annually or more frequently if specified by the company and certificated by a suitably qualified person and/or company approved by the company.



Records

15. (a) Records in such a form as the Company may require shall be kept of the volume, rate of discharge, nature and composition of the Trade Effluent discharged into the sewer(s) and shall be available at all reasonable times for inspection by duly authorised representatives of the Company and copies of such records shall be sent to the Company on demand.

(b) If the notch gauge and continuous recorder or other apparatus aforesaid ceases to register or measure correctly then, unless otherwise agreed, the quantity of the Trade Effluent discharged into the sewer(s) during the period from the date on which the records of the volume of the Trade Effluent discharged into the sewer(s) were last accepted by the Company as being correct up to the date when the notch gauge and continuous recorder or other apparatus aforesaid again registers correctly shall, for the purpose of any payment to be made to the Company, be based on the average daily volume of the Trade Effluent discharged during the period of one month preceding the date on which the said records were last accepted as aforesaid or during the month immediately after the notch gauge and continuous recorder or other apparatus aforesaid has been corrected, whichever is the higher.


(c) The foregoing provisions of this condition shall be of no effect so long as there is available to the satisfaction of the Company some other method approved by the Company of sampling the Trade Effluent or of determining, measuring and recording the volume and rate of discharge and the nature and composition of the Trade Effluent discharged.

Vacation of Site

16. The Applicant(s) must notify the Company in writing at least 21 days in advance of the following events:

- (a) Vacation of the Premises by the Applicant for any reason, whether permanent or temporary;
- (b) Change of ownership or occupation of the Premises;
- (c) The Applicants entry into liquidation whether voluntarily or compulsorily or bankruptcy, if an individual;
- (d) The presentation of a petition for the appointment of an administrator or a receiver or manager in respect of the Applicants undertakings;
- (e) Cessation of discharge of Trade Effluent from the Premises.

Signed:


D.F.C. Wiltshire
Senior Consultant - Wastewater Quality
Duly authorised to sign on behalf of the company
Dated

19th day of June 2013



NOTES:

- a) All communications should be sent to the following address:
Senior Consultant - Wastewater Quality
Thames Water Utilities Ltd
Crossness Sewage Treatment Works
Belvedere Road
Abbey Wood
London
SE2 9AQ
- b) Your attention is drawn to the right of appeal to the Director General of Water Services conferred by Section 122 of the Water Industry Act 1991 if you are aggrieved by any condition attached to this Consent.
- c) A fixed charge for all sewerage services plus a domestic sewerage charge is payable in addition to charges for Trade Effluent flows.
- d) A copy of Thames Water Utilities Ltd Charges Scheme is obtainable from the Thames Water Customer Centre.
- e) If you discharge Trade Effluent in contravention of a condition of this Consent you will be guilty of a criminal offence and may be subject to prosecution.



APPENDIX 1 - SUBSTANCES

The Trade Effluent shall not contain any of the substances listed below at a concentration expressed in milligrams per litre greater than that stated:

| Determinand Name | Consented Limit |
|------------------------|-----------------|
| Suspended Solids | 2000.0 |
| Sulphate | 1800.0 |
| Chemical Oxygen Demand | 1000.0 |
| Settleable Solids | 1000.0 |
| Ammoniacal Nitrogen | 35.0 |
| Cyanide | 5.0 |
| Silver | 5.0 |
| Chromium | 3.0 |
| Copper | 3.0 |
| Lead | 3.0 |
| Zinc | 3.0 |
| Nickel | 2.0 |
| Arsenic | 1.0 |
| Sulphide | 1.0 |

THERE ARE NO FURTHER LIMITS IN THIS APPENDIX



APPENDIX 2 - DISCHARGE POINTS

THERE ARE NO MORE DISCHARGE POINTS

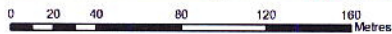
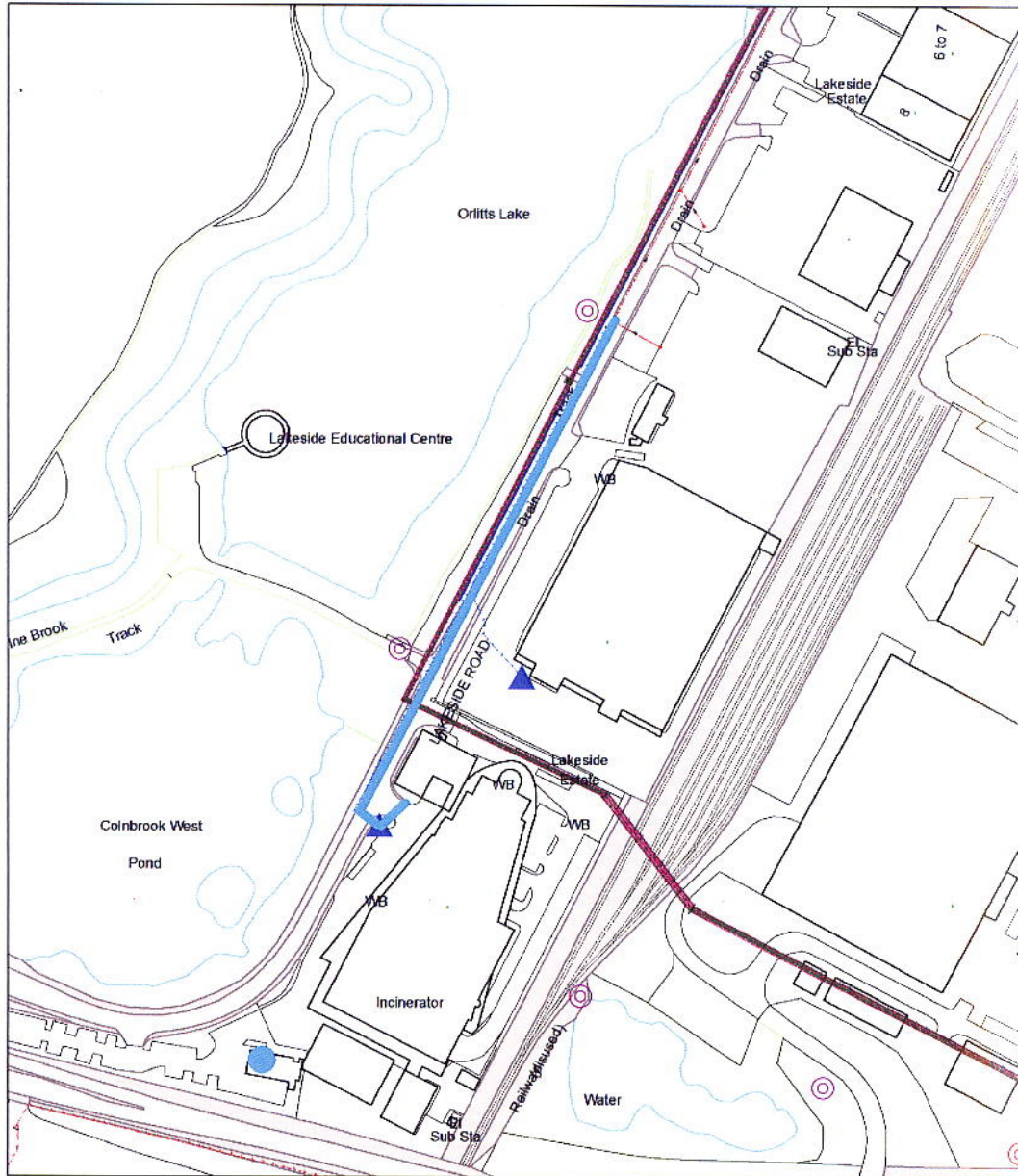


APPENDIX 3 - SEWER PLAN

Public sewer in red and private connection in blue

Based on the Ordnance Survey Map with the Sanction of the Controller of H.M Stationery Office License Number 100019345

Thames Water



The position of any boundary or apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. No liability of any kind whatsoever is accepted by Thames Water for any error or omission.

Printed At (A4) : 1:2500
Printed By : D1BOURNE
Print Date : 22/05/2013
Map Centered On : 503902,177460
Grid Reference : TQ0377





APPENDIX 4 - ADDITIONAL CLAUSES

NO ADDITIONAL CLAUSES AVAILABLE

EP Variation Application

Appendix B: Copy of EA Pre-Application Advice

Lakeside Road CWI (EPR/BT2866IG/V004)

GR_2021.03 - March 2022

Nature and Heritage Conservation

Screening Report: Bespoke Installation

| | |
|-------------------------|-------------------|
| Reference | EPR/BT2866IG/V004 |
| NGR | TQ 03872 77370 |
| Buffer (m) | 30 |
| Date report produced | 12 November 2021 |
| Number of maps enclosed | 8 |

The nature conservation sites identified in the table below must be considered in your application.

| Nature and heritage conservation sites | Screening distance (km) | Further information |
|---|-------------------------|---|
| Special Areas of Conservation (cSAC or SAC) | 10 | Joint Nature Conservation Committee |
| Windsor Forest & Great Park (SAC) | | |
| Special Protection Area (pSPA or SPA) | 10 | Joint Nature Conservation Committee |
| South West London Waterbodies (SPA) | | |
| Ramsar | 10 | Joint Nature Conservation Committee |
| South West London Waterbodies (Ramsar) | | |
| Sites of Special Scientific Interest (SSSI) | 2 | Natural England |
| Staines Moor (SSSI) | | |
| Wraysbury Reservoir (SSSI) | | |
| Local Nature Reserve (LNR) | 2 | Natural England |
| Arthur Jacob Nature Reserve (LNR) | | |
| Local Wildlife Sites (LWS) | 2 | Appropriate Local Record Centre |

Arthur Jacobs Nature Reserve

[\(LRC\)](#)

East of Poyle Meadows SNCI

Lower Colne

Old Slade Lake

River Colne (from County Boundary to Staines Moor), Stanwell Moor SNCI

Wraysbury Reservoir SNCI

Ancient Woodland

2

[Woodland Trust](#)

Unnamed woodland

[Forestry Commission](#)

[Natural England](#)

Protected Species

Screening distance (m)

Further Information

European eel migratory route

up to 500m

[Natural England](#)

Atlantic salmon migratory route

Environment Agency. Dial 03708 506 506 for your local Fisheries and Biodiversity team

Where protected species are present, a licence may be required from Natural England or the Welsh Government to handle the species or undertake the proposed works.

The relevant Local Records Centre must be contacted for information on the features within local wildlife sites. A small administration charge may also be incurred for this service.

Please note we have screened this application for protected and priority sites, habitats and species for which we have information. It is however your responsibility to comply with all environmental and planning legislation, this information does not imply that no other checks or permissions will be required.

Please note the nature and heritage screening we have conducted as part of this report is subject to change as it is based on data we hold at the time it is generated. We cannot guarantee there will be no

customer service line
03708 506 506

incident hotline
0800 80 70 60

floodline
0845 988 1188

www.environment-agency.gov.uk

changes to our screening data between the date of this report and the submission of the permit application, which could result in the return of an application or requesting further information.

customer service line
03708 506 506


incident hotline
0800 80 70 60

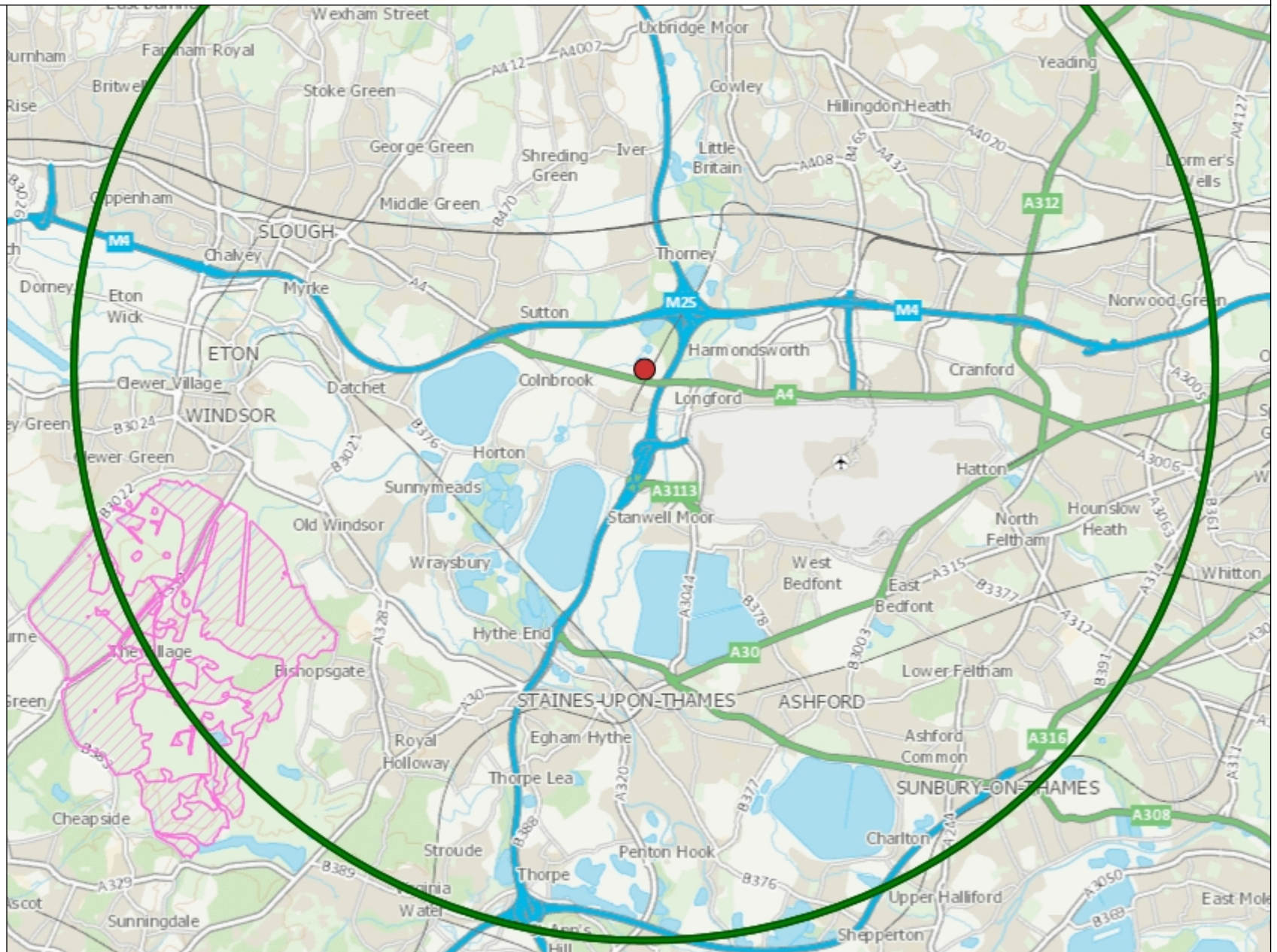
floodline
0845 988 1188

www.environment-agency.gov.uk

Special Areas of Conservation

Legend

 SAC (England)



1: 100,000

0 2,500


Metres

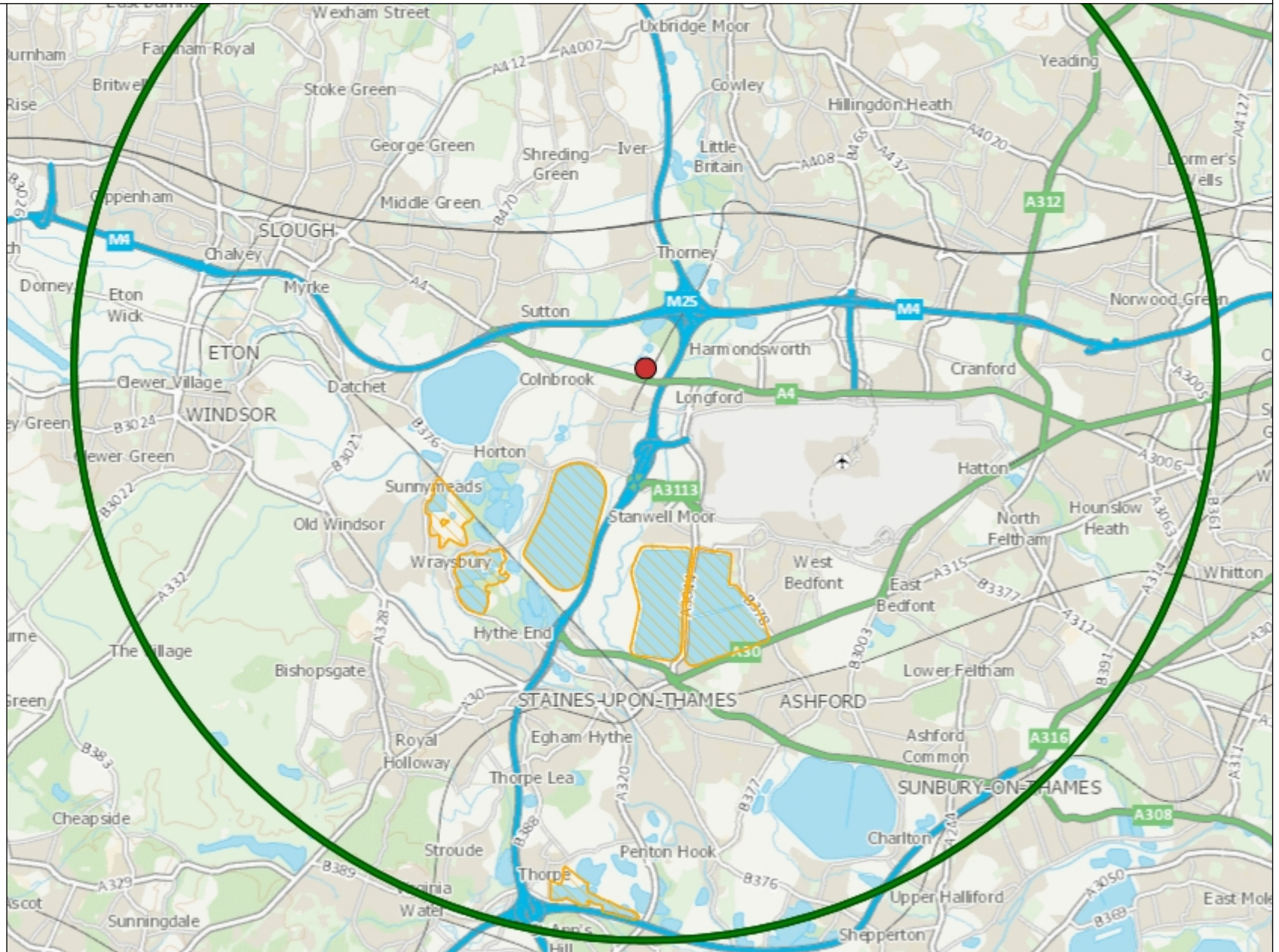


Special Protection Areas



Legend

 SPA (England)



1: 100,000


0 2,500

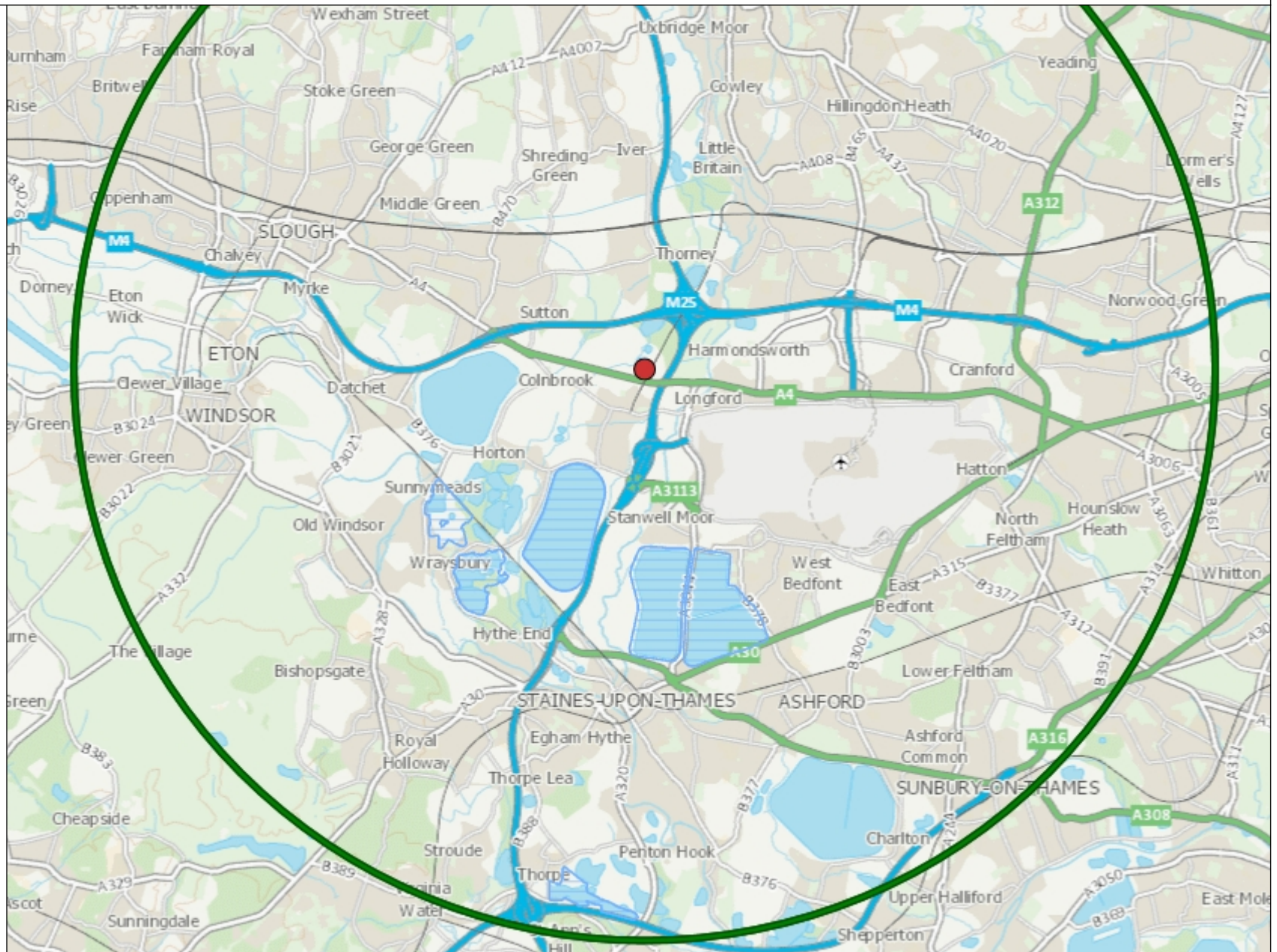
Metres



Ramsar Sites

Legend

 Ramsar (England)



1: 100,000

0 2,500


Metres

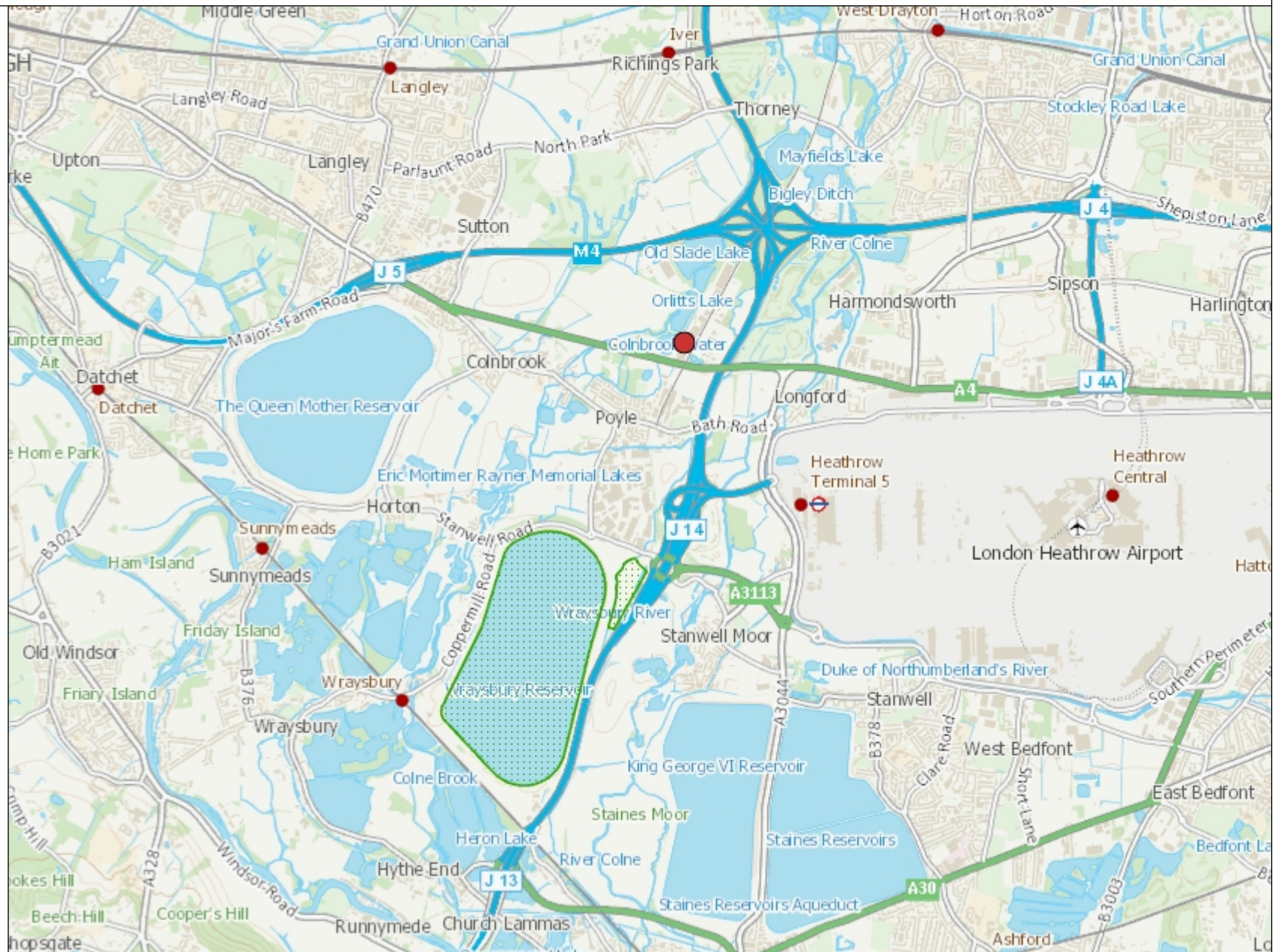


Sites of Special Scientific Interest



Legend

 SSSI (England)



1: 50,000

0 1,250


Metres

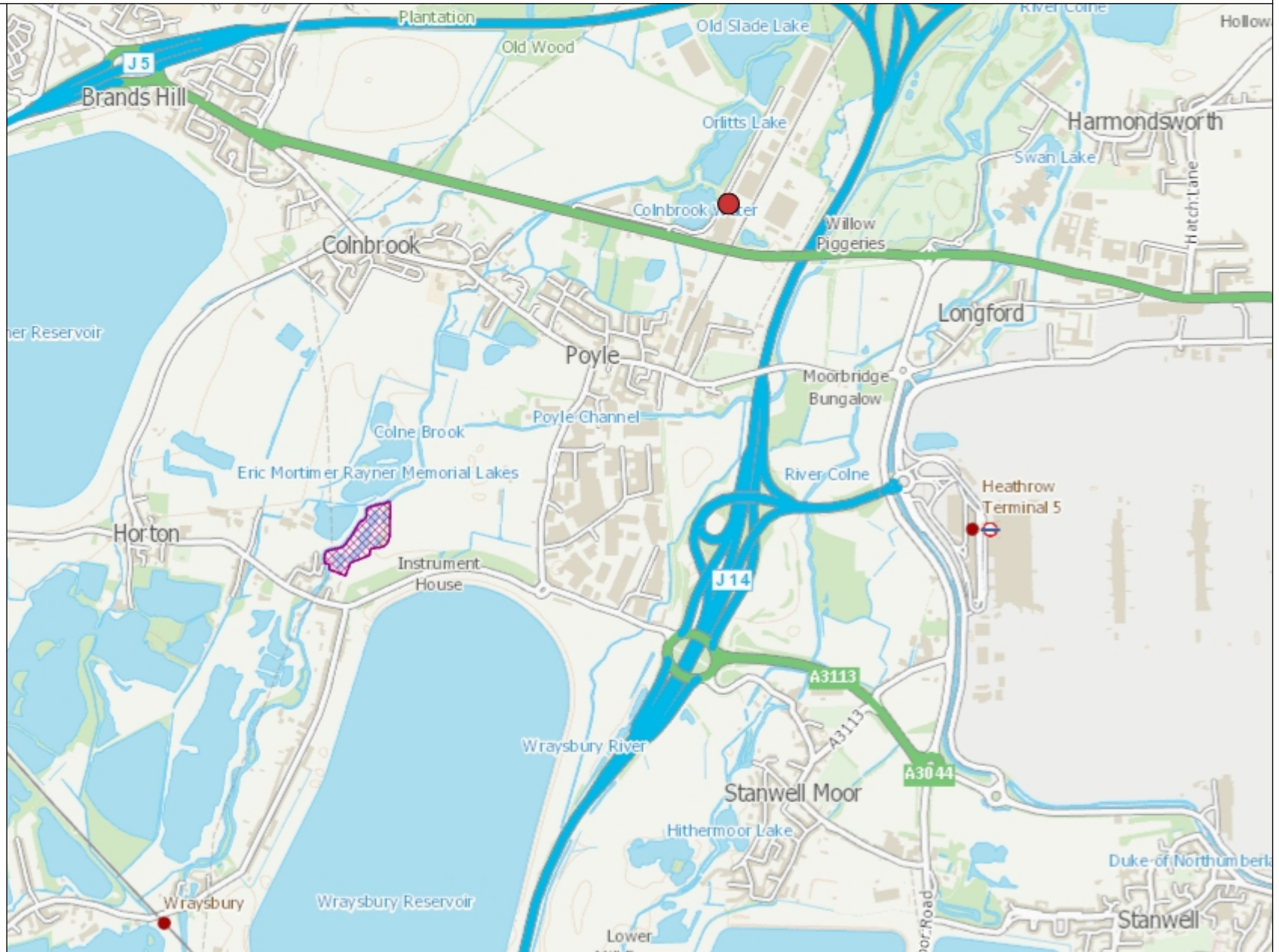


Local Nature Reserves



Legend

 LNR (England)



1 : 25,000

0 625

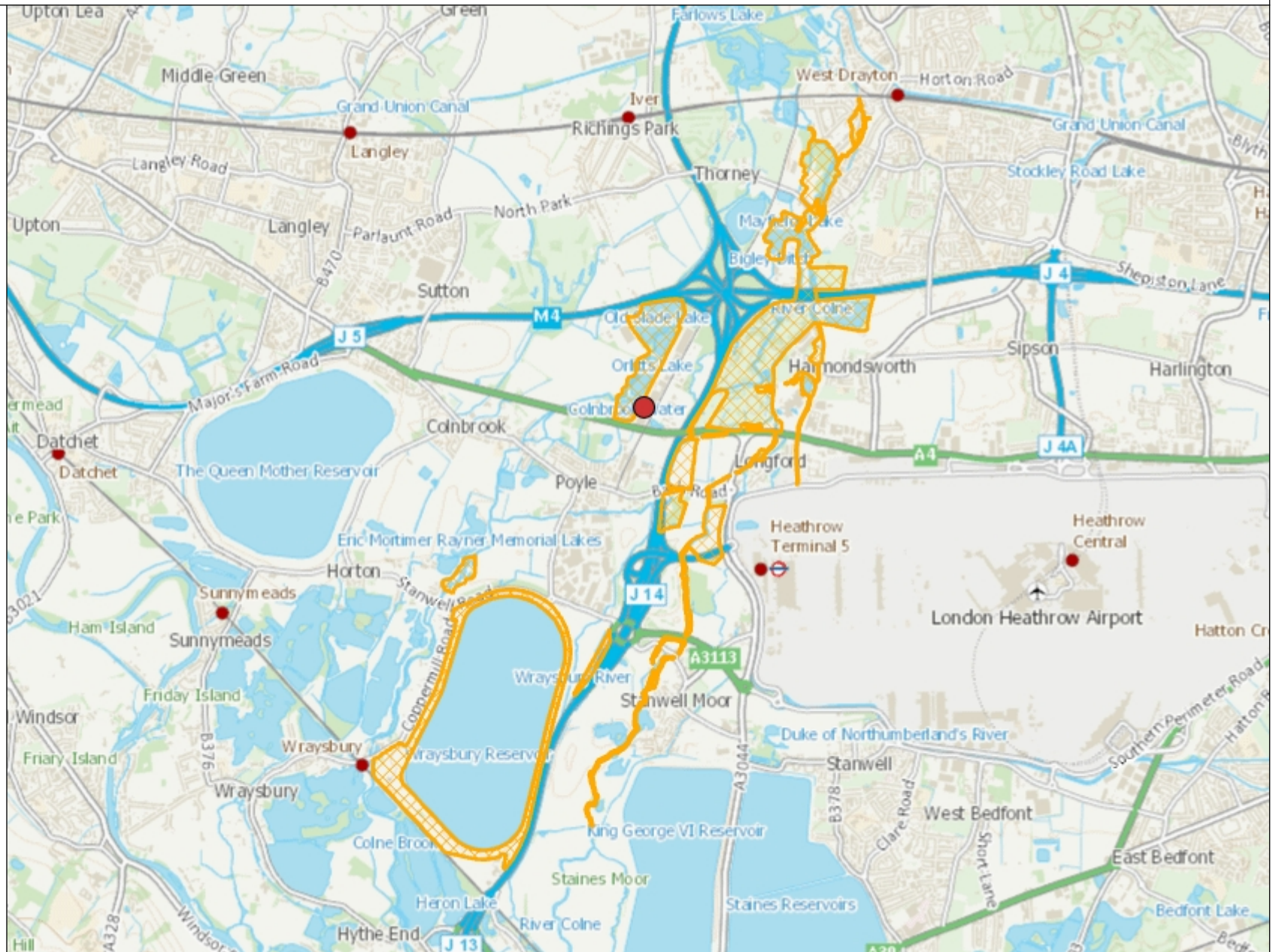
Metres



Local Wildlife Sites

Legend

 Local Wildlife Sites



1: 50,000


0 1,250

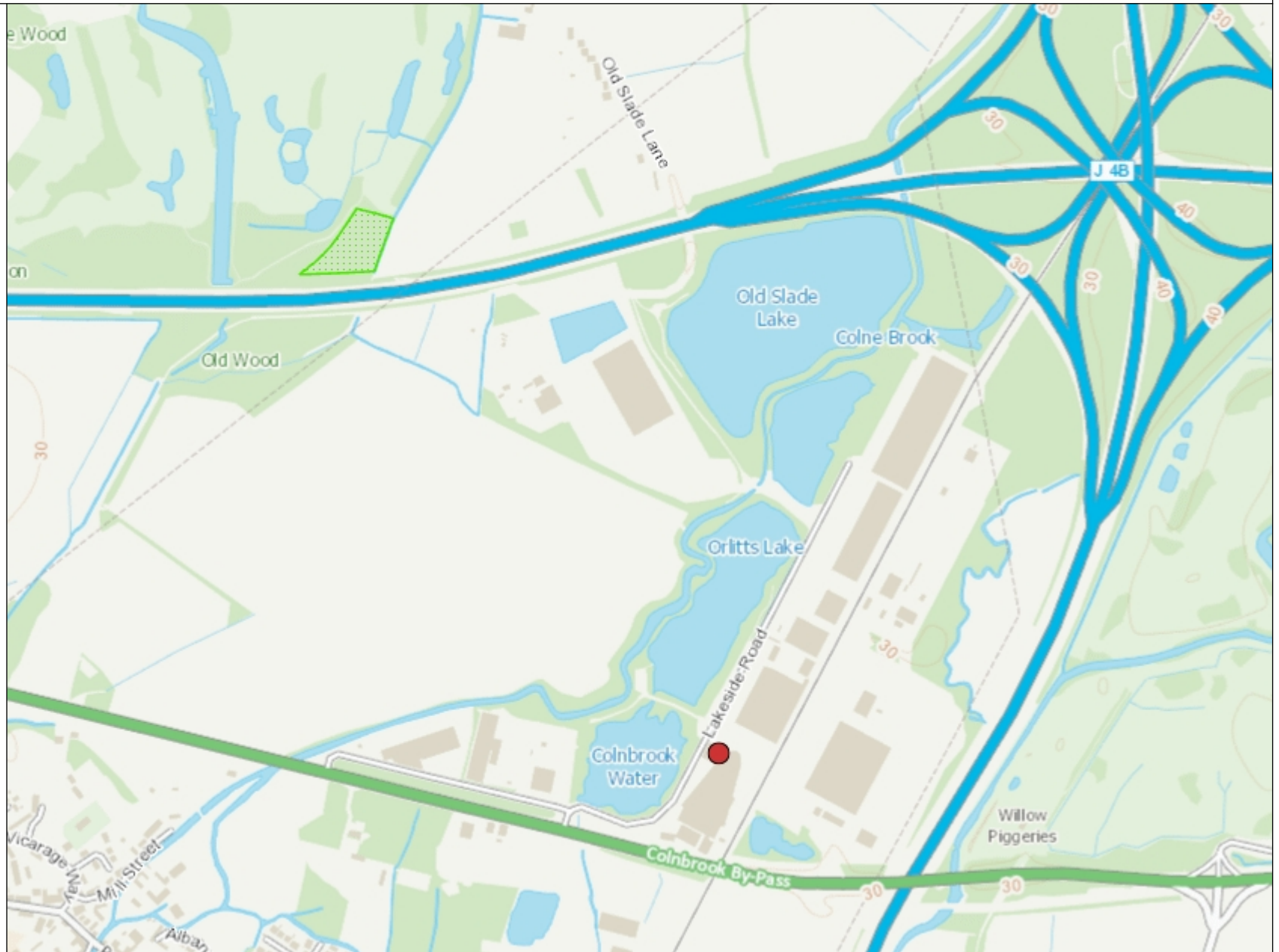
Metres



Ancient Woodland

Legend

 Ancient Woodland (England)



1: 10,000




0 250
Metres

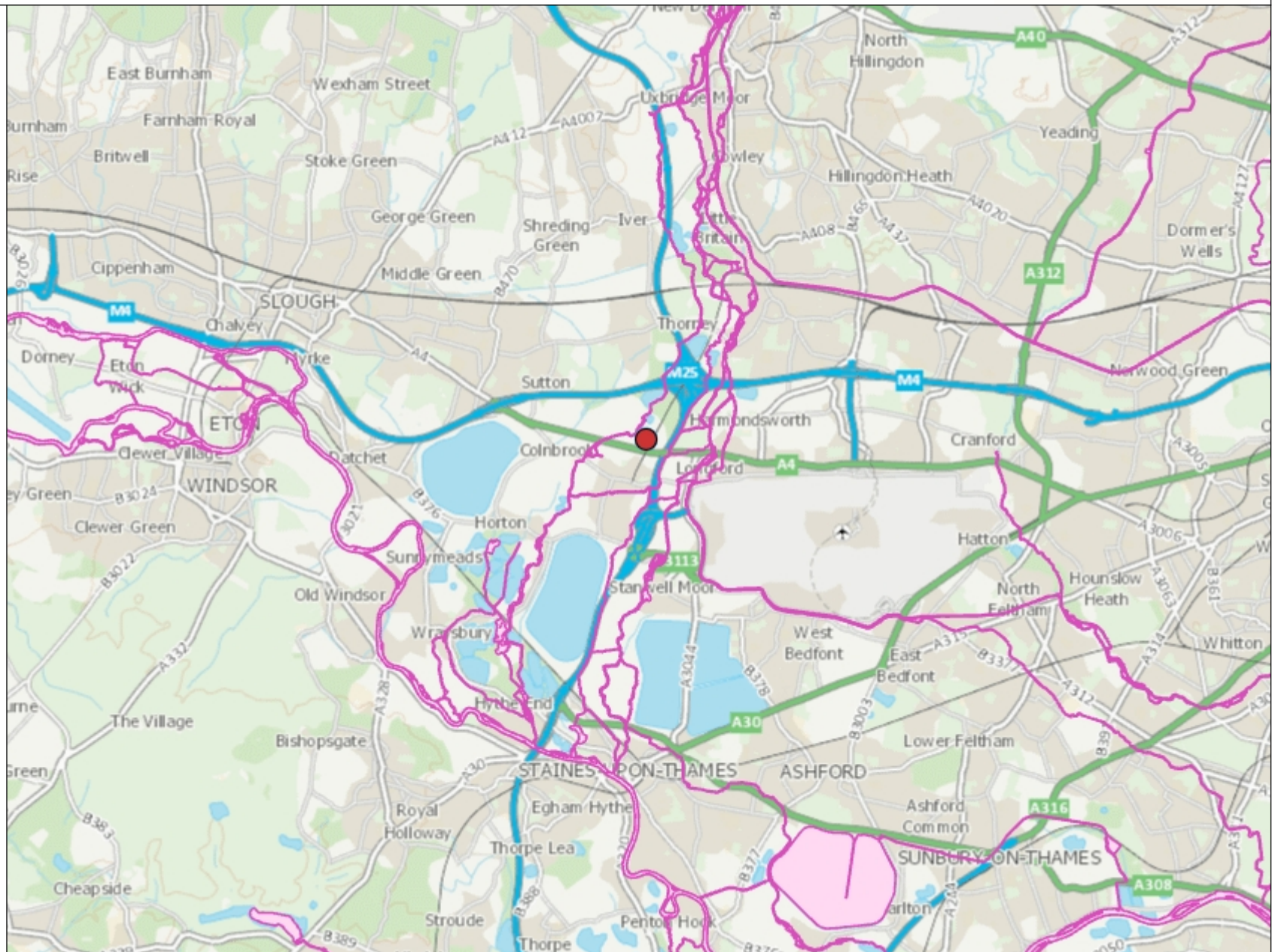


Protected Species

Legend

Protected species screened for Env Permits - complete set

-  Protected species, non fish
-  Protected fish
-  Protected fish migratory route



EP Variation Application

Appendix C: CMS Certificate

Lakeside Road CWI (EPR/BT2866IG/V004)

GR_2021.03 - March 2022

Certificate of Approval

This is to certify that the Management System of:

Grundon Waste Management Limited

Benson, Thames House, Oxford Road, Wallingford, OX10 6LX, United Kingdom

has been approved by Lloyd's Register to the following standards:

Competence Management System - Energy & Utility Skills (Private Standard) Version 4

Approval number(s): CMS – 00032842

This certificate is valid only in association with the certificate schedule bearing the same number on which the locations applicable to this approval are listed.

The scope of this approval is applicable to:

The operation of a competency management system to meet the requirements of technical competence in support of the waste management activities carried out by the organisation - including waste incinerators, landfill sites, treatment plants, MRFs, transfer stations and associated infrastructure, management activities and Head Office Functions.



David Derrick

Area Operations Manager UK & Ireland

Issued by: Lloyd's Register Quality Assurance Limited



0001

Certificate Schedule

| Location | Activities |
|--|---|
| <p>Benson, Thames House, Oxford Road, Wallingford, OX10 6LX, United Kingdom</p> | <p>Competence Management Scheme The operation of a competency management system to meet the requirements of technical competence in support of the waste management activities carried out by the organisation - including waste incinerators, landfill sites, treatment plants, MRFs, transfer stations and associated infrastructure, management activities and Head Office Functions.</p> |
| <p>Ford Ford New Circular Technology Park, Ford Airfield Industrial Estate, Ford, Arundel, BN18 0HY, United Kingdom</p> | <p>Competence Management Scheme The operation of a competency management system to meet the requirements of technical competence in support of the waste management activities carried out by the organisation - including waste incinerators, landfill sites, treatment plants, MRFs, transfer stations and associated infrastructure, management activities and Head Office Functions.</p> |
| <p>Banbury Collet Road, Thorpe Way Industrial Estate, Banbury, OX16 4SP, United Kingdom</p> | <p>Competence Management Scheme The operation of a competency management system to meet the requirements of technical competence in support of the waste management activities carried out by the organisation - including waste incinerators, landfill sites, treatment plants, MRFs, transfer stations and associated infrastructure, management activities and Head Office Functions.</p> |
| <p>Banbury Thorpe Mead, Thorpe Way Industrial Estate, Banbury, OX16 4RZ, United Kingdom</p> | <p>Competence Management Scheme The operation of a competency management system to meet the requirements of technical competence in support of the waste management activities carried out by the organisation - including waste incinerators, landfill sites, treatment plants, MRFs, transfer stations and associated infrastructure, management activities and Head Office Functions.</p> |



Certificate Schedule

| Location | Activities |
|--|---|
| <p>Beenham Grange Lane, Beenham, RG7 5PY, United Kingdom</p> | <p>Competence Management Scheme The operation of a competency management system to meet the requirements of technical competence in support of the waste management activities carried out by the organisation - including waste incinerators, landfill sites, treatment plants, MRFs, transfer stations and associated infrastructure, management activities and Head Office Functions.</p> |
| <p>Bishops Cleeve Wingmoor Farm, Stoke Orchard Road, Bishops Cleeve, Cheltenham, GL52 7DG, United Kingdom</p> | <p>Competence Management Scheme The operation of a competency management system to meet the requirements of technical competence in support of the waste management activities carried out by the organisation - including waste incinerators, landfill sites, treatment plants, MRFs, transfer stations and associated infrastructure, management activities and Head Office Functions.</p> |
| <p>Colnbrook Lakeside Road, Colnbrook, SL3 0EG, United Kingdom</p> | <p>Competence Management Scheme The operation of a competency management system to meet the requirements of technical competence in support of the waste management activities carried out by the organisation - including waste incinerators, landfill sites, treatment plants, MRFs, transfer stations and associated infrastructure, management activities and Head Office Functions.</p> |
| <p>Faringdon Fernham Road, Faringdon, SN7 7LG, United Kingdom</p> | <p>Competence Management Scheme The operation of a competency management system to meet the requirements of technical competence in support of the waste management activities carried out by the organisation - including waste incinerators, landfill sites, treatment plants, MRFs, transfer stations and associated infrastructure, management activities and Head Office Functions.</p> |



Certificate Schedule

| Location | Activities |
|--|---|
| <p>Mole Valley Randall Road, Leatherhead, KT22 0BA, United Kingdom</p> | <p>Competence Management Scheme The operation of a competency management system to meet the requirements of technical competence in support of the waste management activities carried out by the organisation - including waste incinerators, landfill sites, treatment plants, MRFs, transfer stations and associated infrastructure, management activities and Head Office Functions.</p> |
| <p>Frith End Grooms Farm, Frith End, Nr Bordon, GU35 0QR, United Kingdom</p> | <p>Competence Management Scheme The operation of a competency management system to meet the requirements of technical competence in support of the waste management activities carried out by the organisation - including waste incinerators, landfill sites, treatment plants, MRFs, transfer stations and associated infrastructure, management activities and Head Office Functions.</p> |
| <p>Knowl Hill Star Works, Star Lane, Knowl Hill, Nr Maidenhead, RG10 9XY, United Kingdom</p> | <p>Competence Management Scheme The operation of a competency management system to meet the requirements of technical competence in support of the waste management activities carried out by the organisation - including waste incinerators, landfill sites, treatment plants, MRFs, transfer stations and associated infrastructure, management activities and Head Office Functions.</p> |
| <p>Cholsey New Barn Farm Quarry, Off A4130, Bosley Way, Chosley, Nr Wallingford, OX10 9RX, United Kingdom</p> | <p>Competence Management Scheme The operation of a competency management system to meet the requirements of technical competence in support of the waste management activities carried out by the organisation - including waste incinerators, landfill sites, treatment plants, MRFs, transfer stations and associated infrastructure, management activities and Head Office Functions.</p> |



Certificate Schedule

| Location | Activities |
|---|---|
| <p>Wheatley Wheatley Railway Cutting, Wheatley, Oxon, OX33 1JP, United Kingdom</p> | <p>Competence Management Scheme The operation of a competency management system to meet the requirements of technical competence in support of the waste management activities carried out by the organisation - including waste incinerators, landfill sites, treatment plants, MRFs, transfer stations and associated infrastructure, management activities and Head Office Functions.</p> |
| <p>Kennetholme Colthrop Lane, Thatcham, RG19 4NT, United Kingdom</p> | <p>Competence Management Scheme The operation of a competency management system to meet the requirements of technical competence in support of the waste management activities carried out by the organisation - including waste incinerators, landfill sites, treatment plants, MRFs, transfer stations and associated infrastructure, management activities and Head Office Functions.</p> |
| <p>Ewelme Goulds Grove, Ewelme, Wallingford, OX10 6PJ, United Kingdom</p> | <p>Competence Management Scheme The operation of a competency management system to meet the requirements of technical competence in support of the waste management activities carried out by the organisation - including waste incinerators, landfill sites, treatment plants, MRFs, transfer stations and associated infrastructure, management activities and Head Office Functions.</p> |



EP Variation Application

Appendix D: EMS Summary

Lakeside Road CWI (EPR/BT2866IG/V004)

GR_2021.03 - March 2022

1. Introduction

This document explains how the Grundon management system meets the requirements of the Environment Agency (EA) for sites operating under an Environmental Permit, as detailed in the guidance document 'Develop a management system : environmental permits'.

2. Overview of Management System

Grundon operates an integrated management system using the framework of PAS99:2012 – 'Specification of common management system requirements as a framework for integration'. This ensures that our system incorporates the requirements of the following standards:

- **BS ISO 9001:2015** - Quality management systems – requirements;
- **BS ISO 14001:2015** - Environmental management systems - requirements with guidance for use;
- **BS ISO 45001:2018** - Occupational Health and Safety management systems – requirements with guidance for use.
- **BS ISO 50001:2011** - Energy management systems - requirements with guidance for use;
- **Competence Management System** – requirements with guidance for use.

All locations within Grundon operate to these requirements and are audited to ensure compliance.

All documents within the management system are kept electronically on the Grundon intranet and once printed are no longer considered a controlled version.

3. Permit requirements

The EA's guidance has specific requirements that are incorporated within the Grundon management system. This section details how each of these requirements are met within Grundon and refer to any relevant documents.

3.1 Site Infrastructure Plan

Each facility will ensure that a plan(s) is produced of the facility that shows the main features, including the buildings, storage location, emergency equipment and any discharge points.

The number of plans required and the details contained will be dependent on the complexity of the location. The plans will be used within the Traffic Management Plan, Emergency Plan and other relevant documents.

3.2 Site Operations

All waste facilities have operating procedures in place that provides details on how the facilities are operated. Many of the facilities still maintain Working Plans that provide these details, while others use Standard Operating Procedures (SOPs) to do this.

These documents, where relevant will include information on waste storage, including storage time, amounts, spacing and heights of any piles or bales.

3.3 Site and Equipment Maintenance Plan

Within the Grundon management system there are detailed procedures in place for the maintenance, both preventative and reactive, for all mobile and static plant. This is documented within the procedure titled 'Mobile and Static Plant Inspection, Defect Reporting and Rectification', document number MP/GR/GEN/010e.

3.4 Contingency Plans

As part of the system there is the requirement for the appropriate sites to have a Business Continuity Plan in place, as per the procedure reference MP/GR/GEN/021a. This plan details the critical functionality of the facility and lists the hazards that could impact on this, such as fire, loss of power, flood and breakdowns.

3.5 Accident Prevention and Management Plan

Every Grundon location has an emergency plan in place; these generally will cover the requirements of a whole site and not just the permitted facility. The plan will include at a minimum the following procedures and information:

- Emergency Plan Site Details
- Emergency Contacts
- Actions in the Event of a Fire
- Dealing with Casualties
- Dealing with Minor Liquid Spillages
- Dealing with Solid Spillages
- Actions in the Event of Trespass
- Actions in the Event of a Bomb Threat
- Locations of Emergency Equipment
- Fire Extinguisher Code
- Site Plans
- Surface Water Drainage Plan
- Liaising with Regulatory Enforcement Bodies
- Isolation of Main Supplies to Site
- Dealing with Needle Stick Injuries
- Actions on Discovery of Munitions in Waste Stream or Location.

The plans are kept electronically but will also be kept in an easily accessible location on the site in the Incident Control box. The plan is reviewed regularly, with a requirement for a full review every two years.

3.6 Contact Information for the Public

Every permitted site will display a Grundon branded sign at the entrance of the site, this will provide the necessary contact information for the public and will include these details:

- The permit holder's name.
- An emergency contact name and telephone number.
- A statement that the site is permitted by the Environment Agency.
- The permit number.
- Environment Agency telephone number 03708 506506 and the incident hotline 0800 807060 (or another number we subsequently tell you about in writing).

3.7 Complaints Procedure

As part of the management system all records of complaints are recorded on the on-line Feedback Log; the procedure in relation to this is detailed in document reference MP/GR/GEN/019 titled 'Managing Feedback including Complaints'.

3.8 Managing Staff Competence and Training Records

The Grundon management system complies with the requirements of the Competence Management Scheme, as detailed with the standard approved by EU Skills and the ESA. The requirements are documented in the Technical Competence Policy/Procedure, reference MP/GR/GEN/036a. This standard is audited by BSI to ensure compliance at all Grundon permitted sites.

All employees training records are maintained on the on-line system 'Access SelectHR'; this system sends reminders for any refresher training needed.

3.9 Keeping Records

Within the management system there are detailed procedures in relation to the creation, updating and storage of documents. This is detailed in the Document Control Policy/Procedure, reference MP/GR/GEN/007a; this includes details on record retention.

3.10 Review your Management System

The management system is regularly being reviewed to ensure its effectiveness and relevance, this will be through such things as site meetings, team meetings, compliance reviews and safety observations.

The more formal review of the Management System occurs every six months when the Management Review Meeting is held; this is attended by directors and senior managers who review matters such as external audits, incidents and changing circumstances.

EP Variation Application

Appendix E: Internal Layout Plan

Lakeside Road CWI (EPR/BT2866IG/V004)

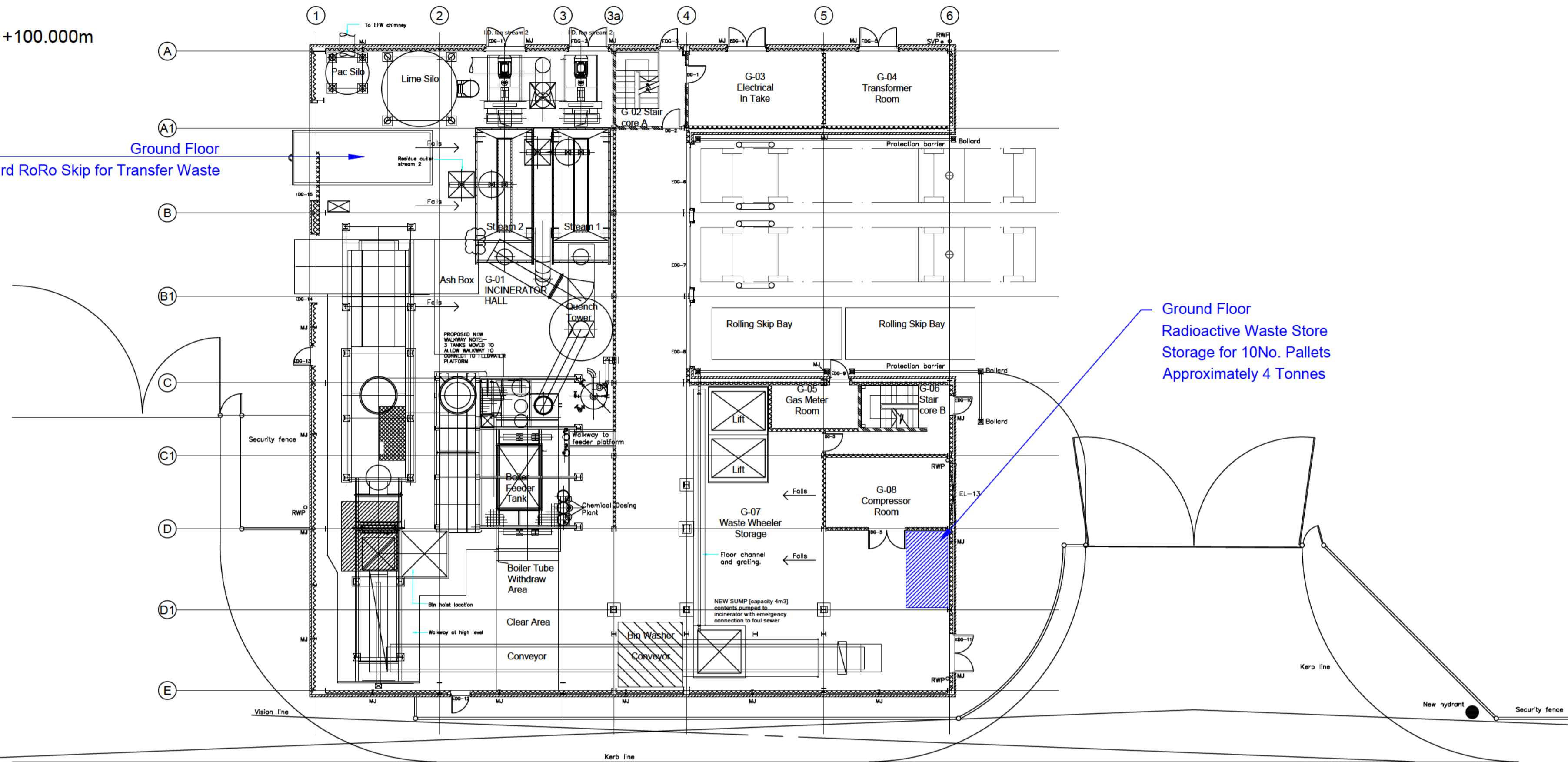
DG/EN/CWI/SK/1175 – 16 February 2022

DO NOT SCALE

Ground Level +100.000m

Ground Floor
40 Cubic Yard RoRo Skip for Transfer Waste

Ground Floor
Radioactive Waste Store
Storage for 10No. Pallets
Approximately 4 Tonnes

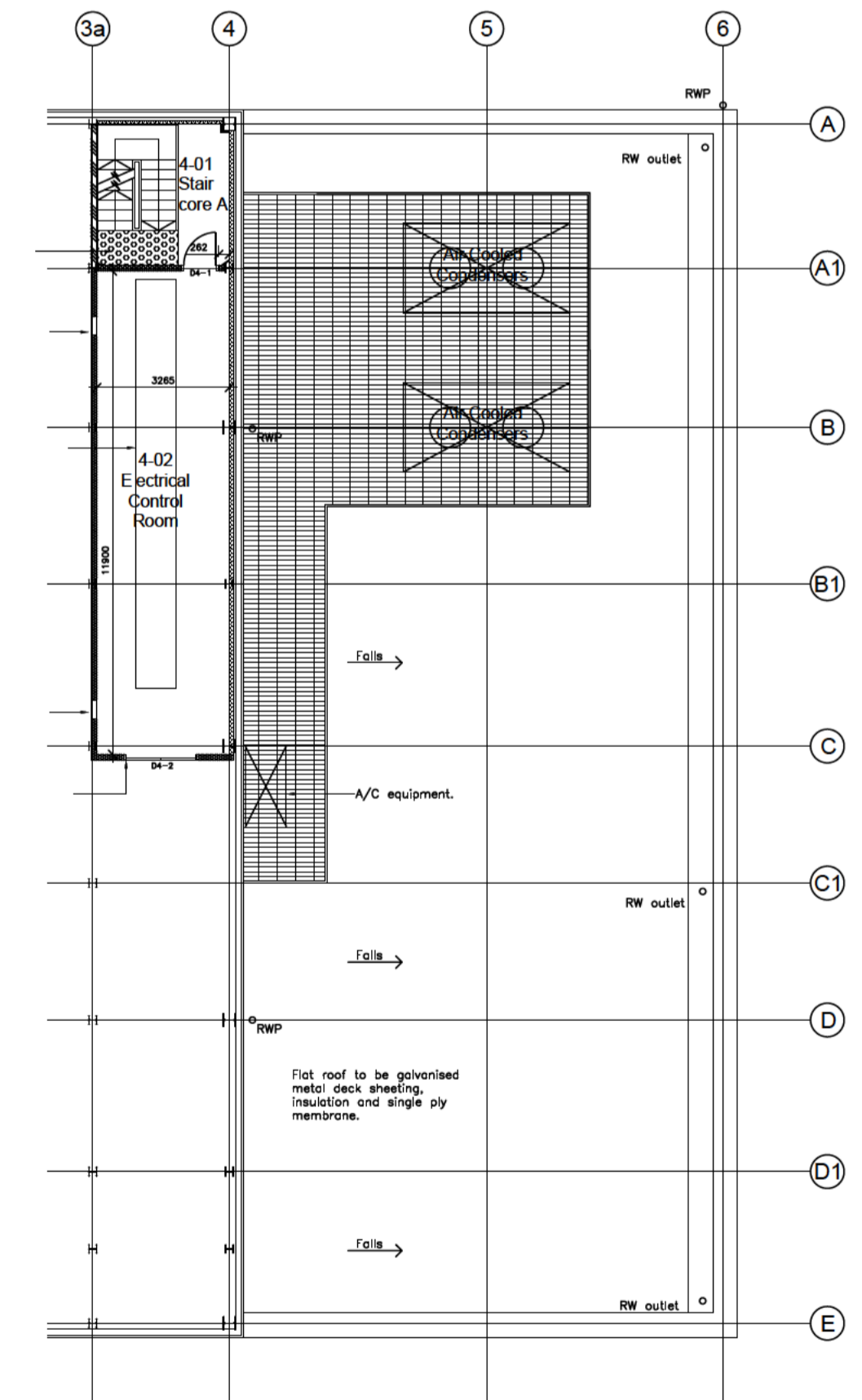
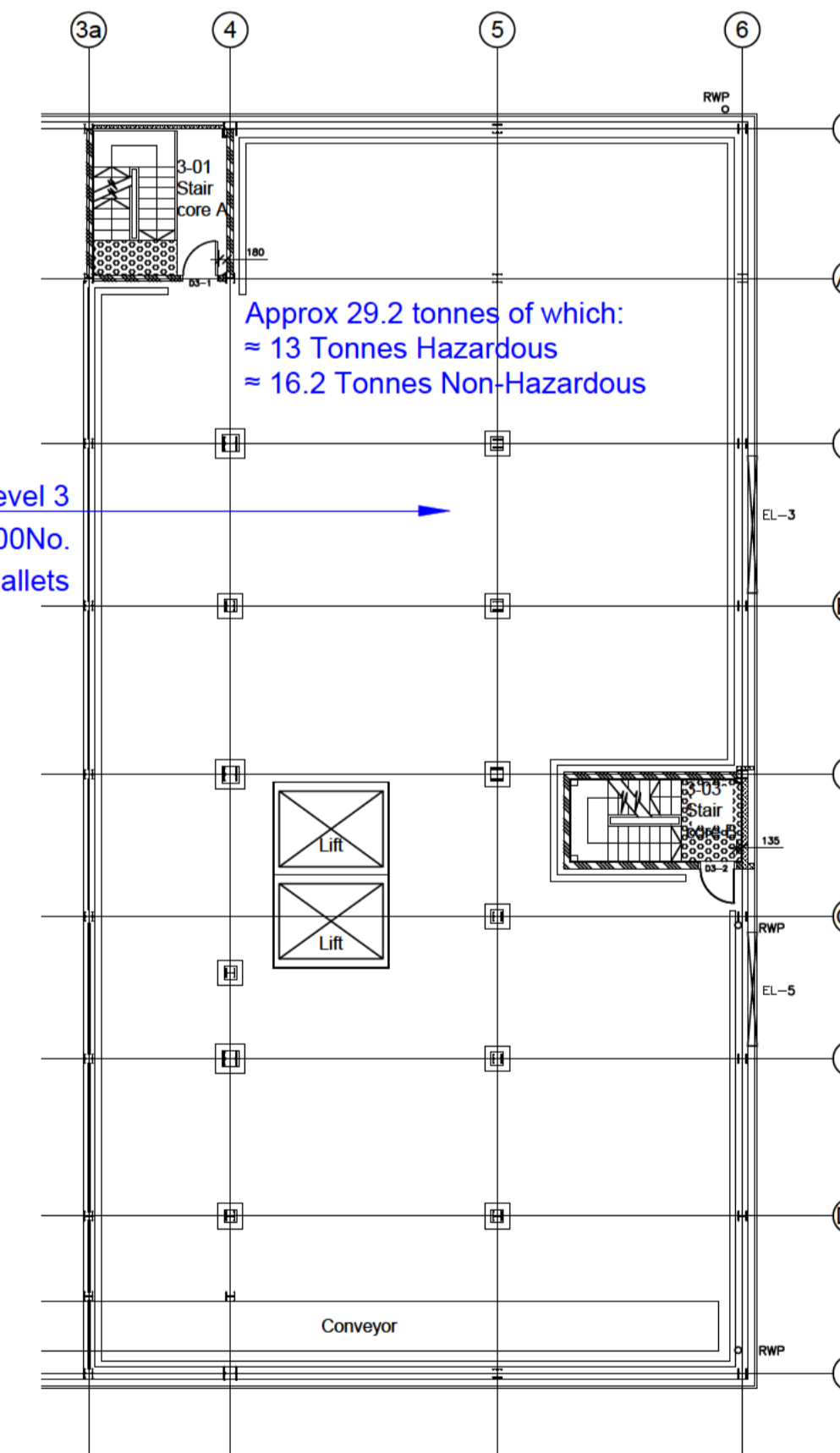
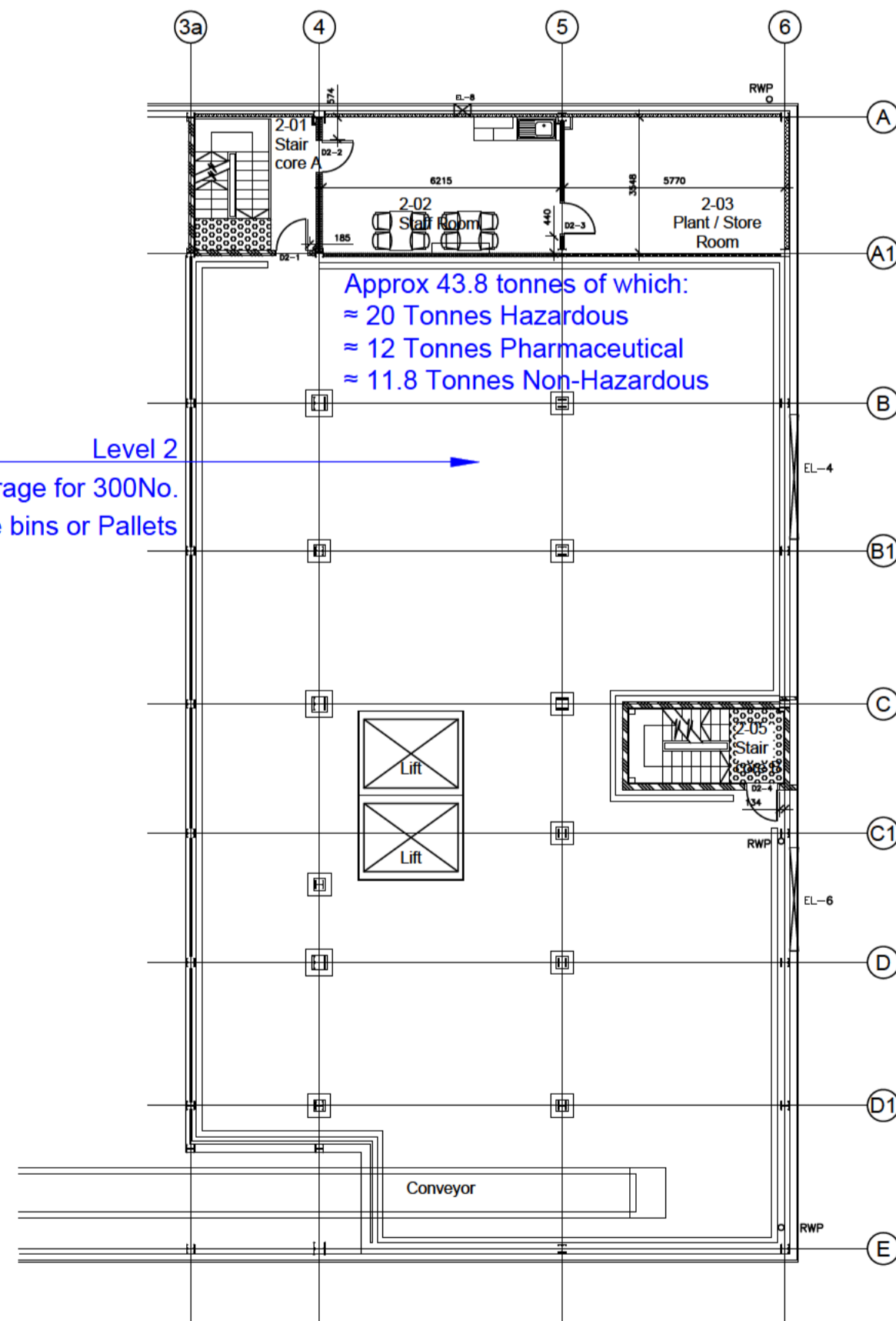
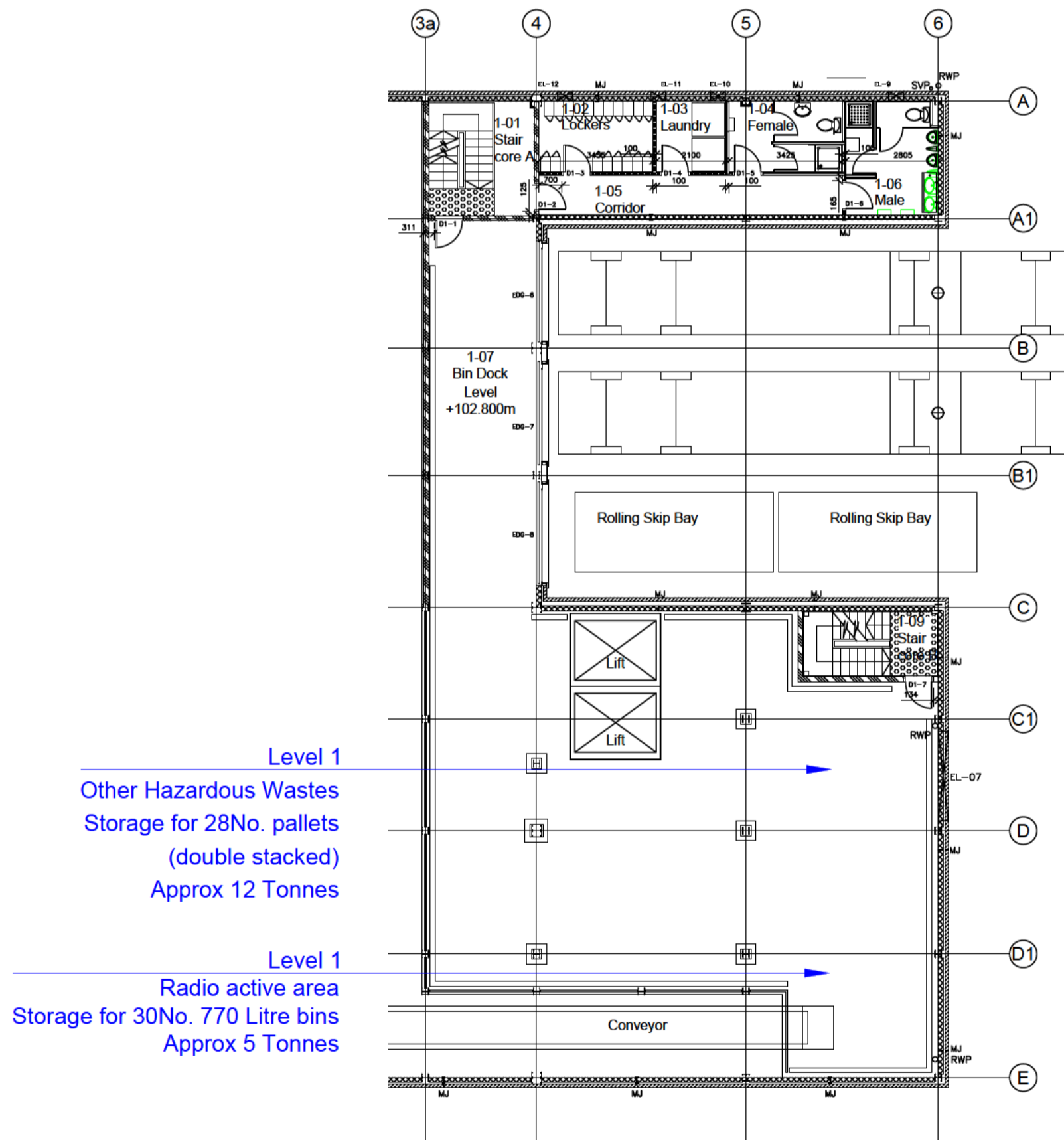


Level 1 +102.800m

Level 2 + 105.600m

Level 3 +108.400m

Level 4 +111.200m



| ISS.No | DESCRIPTION | DATE |
|---------|-------------|-----------|
| Issue 2 | | 16/2/2022 |

GRUNDON WASTE MANAGEMENT LTD.
Lakeside Road, Colnbrook,
Slough. SL3 0EG



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TITLE
Clinical Waste Incinerator
Layout and Storage Capacities

| DRAWN | CHECKED | DATE | SCALE |
|-------|---------|----------|----------|
| EWFF | | 7/2/2022 | NTS @ A1 |

DRG.No.


DG/EN/CWI/SK/1175

EP Variation Application

Appendix F: Non-Technical Summary

Lakeside Road CWI (EPR/BT2866IG/V004)

GR_2021.03/02 – March 2022

| | |
|--------------------------|---|
| Project details | Environmental Permit Variation Application EPR/BT2866IG/V004 Grundon Waste Management Limited – Lakeside Road Clinical Waste Facility |
| Applicant details | Grundon Waste Management Limited Thames House Oxford Road Benson Wallingford Oxfordshire OX10 6LX |
| Report details | EP Variation Application – Supporting Statement Document reference: GR_2021.03/02_v1 |
| Report date | 17 March 2022 |
| Submitted to | Permitting and Support Centre Environmental Permitting Team Environment Agency Quadrant 2 99 Parkway Avenue Parkway Business Park Sheffield S9 4WF Email: PSC@environment-agency.gov.uk |
| Author | Rebecca Hodkinson EHS Consultant |
| Signature |  |



Tel: [+44] 07949 178558 www.revaenvironmental.co.uk
Company Registered in England No. 11506654

Table of Contents

Contents

| | | |
|-----|----------------------------|---|
| 1 | Introduction | 3 |
| 1.1 | General..... | 3 |
| 1.2 | Application Objective..... | 4 |
| 2 | Application Contents..... | 4 |

1 Introduction

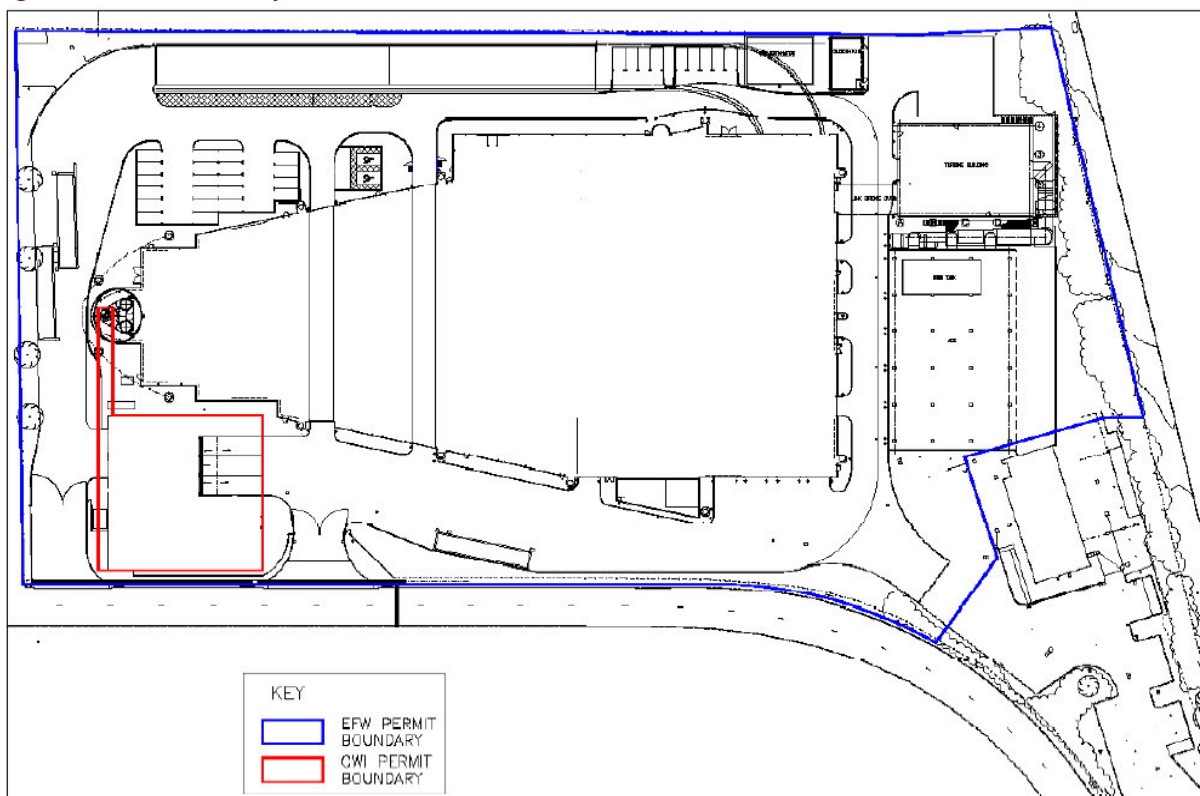
1.1 General

Grundon Waste Management Limited (the ‘applicant’) has requested that Reva Environmental Ltd (the ‘agent’) prepares an Environmental Permit (EP) variation application, for its Lakeside Road Clinical Waste Incinerator (CWI), Colnbrook, Slough, Berkshire, SL3 0EG.

The CWI is permitted via EPR/BT2866IG which was originally granted in December 2003 and most recently varied (and consolidated) by Variation Notice V003 in July 2009. The CWI takes up an area of land that is within the permitted Energy from Waste (EfW) facility operated by Lakeside Energy from Waste Ltd. The interaction between the two EP boundaries is shown on the site plan in the current EP for the CWI and is re-presented in **Figure NTS1** below.

The CWI EP allows the incineration of clinical and hazardous wastes, in accordance with Section 5.1 Part A(1)(a) of the EP Regulations and covers the entire plant from the receipt of waste to the disposal of residues resulting from the incineration process.

Figure NTS1: EP Boundary Interaction



The EfW is regulated by EPR/BT7116 which was issued to Lakeside Energy from Waste Ltd in November 2003.

There is a third EP in place, granted to the applicant (Grundon Waste Management Limited). Permit CE4317 was most recently varied in March 2011 and allows the accumulation and disposal of specified radioactive wastes from the specified premises. In this case it applies to the types of materials that are used for the purposes of clinical and biological research, and medical diagnostic and treatment techniques. This third EP is unaffected by this variation application, which relates only to the CWI EP.

This non-technical summary provides an overview of the application.

1.2 Application Objective

The applicant wishes to augment and expand operations at the site to:

- Add a new Listed Activity (activity ref. A2) to allow the receipt of hazardous waste for repackaging / bulking prior to transfer off site for onward disposal or recovery. This falls under Section 5.3 Part A(1)(a)(iv) and will be for the waste types already permitted at the CWI.
- Allow the storage of hazardous waste pending repackaging/bulking and transfer off site for onward disposal or recovery (activity ref. A3). This will be less than 50 tonnes per day so is a Directly Associated Activity to the proposed Listed Activity A2. This includes the storage of hazardous waste pending transfer (without repackaging) if required for contingency measures
- Allow the receipt and storage of non-hazardous waste for repackaging / bulking prior to transfer off site for onward disposal or recovery. This includes the storage of non-hazardous waste pending transfer (without repackaging) if required for contingency measures. This will be a Waste Operation (activity ref. A4).

There is no requirement to increase the CWI EP boundary to accommodate the new activities; nor are there any proposed changes to the wastes that will be accepted at the site.

A revised internal layout plan has been generated to present the proposed activities (and to confirm storage capacities by both no. of bins or pallets and tonnage) and is provided in **Appendix E** of this variation application (drawing ref. DG/EN/CWI/SK/1175, Issue 2, dated 16 February 2022).

2 Application Contents

The content of the application has been guided by EA guidance on permitting. Conservation screening has been carried out the by EA following a request for pre-application advice by the applicant.

The application comprises the following documents.

- EP Application Form – Parts A, C2, C3, C4 and F1. The application form is provided at the front of the EP application document.
- Supporting Statement (ref. GR_2021.03/01). This has been written to provide an explanation of the application to the EA and to provide signposts to the supporting information supplied in accordance with the application form.
- A copy of the existing EP and discharge consent for the facility (Appendix A).
- A copy of the EA's pre-application advice (Appendix B).
- Demonstration of technical competence by the applicant / EP holder for those managing the operations (Appendix C). Technical competence is currently demonstrated through the EU skills scheme.
- A summary of the environmental management system (EMS) (Appendix D). The applicant operates its existing permitted facilities in accordance with a formal integrated management system which is certified by BSI to ISO 14001 for environmental management. The applicant also holds certification for PAS 99 (integrated management), ISO 9001 (quality management), ISO 45001 (occupational health and safety management), ISO 50001 (energy management), and CMS (competence management system scheme).
- An updated internal layout plan showing the revised activity layout and the proposed capacities (by both tonnage and no. of bins or pallets) (Appendix E).

- An addendum qualitative environmental risk assessment (Appendix G, ref. GR_2021.03/03). This follows the EA's source-pathway-receptor methodology to identify potential risks posed by the proposed changes in the operation of the site, and to assess the potential impacts of those risks following implementation of suitable control/mitigation measures. Whilst the purpose of this variation application is to add new activities (the repackaging / bulking of hazardous and non-hazardous wastes pending transfer off site), it does not change the waste types nor does it amend the EP boundary. The new activity has however been assessed, and this application presents an ERA which assesses just the changes and comprises an addendum to the existing ERA. The EA pre-application advice (Appendix B of this variation application) identifies one site that is designated as a SAC (Windsor Forest & Great Park), one SPA (South West London Waterbodies – this is also a Ramsar site), two SSSIs (Staines Moor and Wraysbury Reservoir), one Local Nature Reserve (Arthur Jacob Nature Reserve), and a number of LWSs, ancient woodland, and protected species / habitats – all within the EA's screening distance. These have been explicitly considered in the ERA addendum.

EP Variation Application

Appendix G: ERA Addendum

Lakeside Road CWI (EPR/BT2866IG/V004)

GR_2021.03/03 – March 2022


| | |
|--------------------------|---|
| Project details | Environmental Permit Variation Application EPR/BT2866IG Grundon Waste Management Limited – Lakeside Road Clinical Waste Facility |
| Applicant details | Grundon Waste Management Limited Thames House Oxford Road Benson Wallingford Oxfordshire OX10 6LX |
| Report details | EP Variation Application – Appendix G: ERA Addendum Document reference: GR_2021.03/03_v1 |
| Report date | 17 March 2022 |
| Submitted to | Permitting and Support Centre Environmental Permitting Team Environment Agency Quadrant 2 99 Parkway Avenue Parkway Business Park Sheffield S9 4WF Email: PSC@environment-agency.gov.uk |
| Author | Rebecca Hodkinson EHS Consultant |
| Signature |  |



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1 INTRODUCTION

Grundon Waste Management Limited (the ‘applicant’) has requested that Reva Environmental Ltd (the ‘agent’) prepares an Environmental Permit (EP) variation application, for its Lakeside Road Clinical Waste Incinerator (CWI), Colnbrook, Slough, Berkshire, SL3 OEG.

The CWI is permitted via EPR/BT2866IG which was originally granted in December 2003 and most recently varied (and consolidated) by Variation Notice V003 in July 2009. The CWI takes up an area of land that is within the permitted Energy from Waste (EfW) facility operated by Lakeside Energy from Waste Ltd. The interaction between the two EP boundaries is shown on the site plan in the current EP for the CWI (and in Figure SS1 of this application).

The CWI EP allows the incineration of clinical and hazardous wastes, in accordance with Section 5.1 Part A(1)(a) of the EP Regulations and covers the entire plant from the receipt of waste to the disposal of residues resulting from the incineration process.

An application is being made to vary the EP to:

- Add a new Listed Activity (activity ref. A2) to allow the receipt of hazardous waste for repackaging / bulking prior to transfer off site for onward disposal or recovery. This falls under Section 5.3 Part A(1)(a)(iv) and will be for the waste types already permitted at the CWI.
- Allow the storage of hazardous waste pending repackaging/bulking and transfer off site for onward disposal or recovery (activity ref. A3). This will be less than 50 tonnes per day so is a Directly Associated Activity to the proposed Listed Activity A2. This includes the storage of hazardous waste pending transfer (without repackaging) if required for contingency measures
- Allow the receipt and storage of non-hazardous waste for repackaging / bulking prior to transfer off site for onward disposal or recovery. This includes the storage of non-hazardous waste pending transfer (without repackaging) if required for contingency measures. This will be a Waste Operation (activity ref. A4).

There is no requirement to increase the CWI EP boundary to accommodate the new activities; nor are there any proposed changes to the wastes that will be accepted at the site.

A revised internal layout plan has been generated to present the proposed activities (and to confirm storage capacities by both no. of bins or pallets and tonnage) and is provided in **Appendix E** of this variation application (drawing ref. DG/EN/CWI/SK/1175, Issue 2, dated 16 February 2022).

Question 6 of EA application form Part C2 requires the provision of an environmental risk assessment (ERA).

Whilst the purpose of this variation application is to add new activities (the repackaging / bulking of hazardous and non-hazardous wastes pending transfer off site), it does not change the waste types nor does it amend the EP boundary. The new activity has however been assessed, and this application presents an ERA addendum which assesses just the changes and comprises an addendum to the existing ERA.

It sets out the risks of potential failure or incident scenarios related to the proposed processes and assesses these in terms of the potential impact on any sensitive receptors. The risk assessment concludes that the residual risk of the addition of the receipt, storage, repackaging and transfer processes will be no greater than the level identified for existing risks at the site.

1.1 Site Setting

The facility is located in the Colne Valley close to Slough, an area which has historically been exploited for minerals (sand and gravel) and landfilling. It sits within the Lakeside Industrial Estate, adjacent to the Colnbrook branch line and main road (A4). Slough lies approximately 5.5 km northwest of the site

and Heathrow Airport is 1 km to the southeast. A number of lakes (former gravel pits) are present immediately to the west of the site.

1.2 Nature Conservation Sites

The pre-application advice from the EA included a habitat screening assessment. The following features were identified as being within the applicable screening distance and have therefore been considered in this ERA:

- Windsor Forest and Great Park Special Area of Conservation (SAC). This is a large area of land (1,680 hectares) that lies to the southwest of the site, at approximately 7 km at its closest edge. It is characterised as comprising predominantly mixed woodland with small areas of dry grassland, steppes, and inland water bodies. The primary reason for its classification is the present of the largest number of veteran oaks in Britain and its range and diversity of invertebrates some of which are rare species such as the violet click beetle which represents the largest known populations in the UK. It also supports rich fungal assemblages.

Given that the area supports wildlife, it is considered that this site would be sensitive to dust, litter, odour, noise and vibration, water contamination (through deposition or groundwater), fire and pests/scavengers.

- South West London Waterbodies Special Protection Area (SPA) and Ramsar site. This is an area (of 825 hectares) that lies to the southwest of the site, at approximately 4.5 km at its closest edge. It is described as comprising a number of reservoirs and former gravel pits. Its designation is for the presence of two species of wintering bird, Shoveler Duck (*Anas Clypeata*) and Gadwall (*Anas Strepera*).

Given that the area supports wildlife, it is considered that this site would be sensitive to dust, litter, odour, noise and vibration, water contamination (through deposition or groundwater), fire and pests/scavengers.

- Staines Moor Site of Special Scientific Interest (SSSI). Whilst listed as Staines Moor, the areas annotated on the EA's conservation screening maps identify the SSSI boundary as being a small area between the Wraysbury reservoir and Wraysbury river to the west. Staines Moor is described as being an open area of countryside covering over 500 hectares and comprising flood meadows and reservoirs. The SSSI classification is due to it supporting wintering wildfowl and other important species including floral.

Given that the area supports wildlife, it is considered that this site would be sensitive to dust, litter, odour, noise and vibration, water contamination (through deposition or groundwater), fire and pests/scavengers.

- Wraysbury Reservoir Site of Special Scientific Interest (SSSI). This is described as an artificial reservoir supporting man-made open water habitat and cited for the nationally important numbers of wintering cormorant, great crested grebe, and shoveler. It lies to the southwest of the site, approximately 1.75 km at its closest point.

Given that the area supports wildlife, it is considered that this site would be sensitive to dust, litter, odour, noise and vibration, water contamination (through deposition or groundwater), fire and pests/scavengers.

- Local Wildlife Sites (LWS) and Local Nature Reserves (LNRs). The pre-application advice lists six separate sites that fall within 2 km of the applicant site, one of which (Arthur Jacob Nature Reserve) is both an LNR and LWS, and one of which is the Wraysbury reservoir (addressed as a SSSI above). The closest of these is the area associated with the lakes that lie immediately to the west of the site. The designation applies to Old Slade Lake, the most northerly of the lakes but the boundary of the LWS extends across all the lakes. It is described as supporting a thriving

population of Lakeland birds, whilst emerging reed beds and bank-side vegetation provide cover for waterfowl. Hawthorn scrub supports a range of passerine species.

Given that the area supports wildlife, it is considered that this site would be sensitive to dust, litter, odour, noise and vibration, water contamination (through deposition or groundwater), fire and pests/scavengers.

- Ancient Woodland. The pre-application advice refers to an area of unnamed woodland within 2 km of the applicant site. This is shown on the map as being a small area beyond the M4 highway, at approximately 1 km to the northwest.

Given that the area potentially supports wildlife, it is considered that this site would be sensitive to dust, litter, odour, noise and vibration, water contamination (through deposition or groundwater), fire and pests/scavengers.

2 RISK ASSESSMENT

Table 1: Risk Screening

| Receptor | Source | Harm | Pathway | Current Residual Risk | Addendum Comments | Residual Impact affected Y/N? |
|--|---|---|------------------------------------|-----------------------|--|-------------------------------|
| Local human population | Releases of particulate matter (dusts) and micro- organisms (bioaerosols) | Harm to human health - respiratory irritation and illness | Air transport then inhalation | Low | There are no proposed changes to the type of waste as a result of the variation. Receipt, repackaging and storage activities will take place within the confines of the existing building which provides containment. The existing waste acceptance procedures will be applicable. There are no point source emissions to air from the additional activity. | N |
| Local human population | Releases of particulate matter (dusts) and micro- organisms (bioaerosols) | Nuisance - dust on cars, clothing etc. | Air transport then deposition | Low | | N |
| Local human population, livestock and wildlife | Litter | Nuisance, loss of amenity and harm to animal health | Air transport then deposition | Very Low | There are no proposed changes to the type of waste as a result of the variation. Receipt, repackaging and storage activities will take place within the confines of the existing building which provides containment. The existing waste acceptance procedures will be applicable. The new activities do not introduce any new sources of potential litter. | N |
| Local human population | Waste, litter and mud on local roads | Nuisance, loss of amenity, road traffic accidents | Vehicles entering and leaving site | Low | There are no proposed changes to the type of waste as a result of the variation. Receipt, repackaging and storage activities will take place within the confines of the existing | N |

| Receptor | Source | Harm | Pathway | Current Residual Risk | Addendum Comments | Residual Impact affected Y/N? |
|------------------------|--------|---------------------------|-------------------------------|-----------------------|--|-------------------------------|
| | | | | | <p>building which provides containment. The existing waste acceptance procedures will be applicable.</p> <p>Existing controls apply regarding vehicles moving into/out of and around the site (wheel wash, appropriate road surfacing, regular cleaning and visual assessment).</p> | |
| Local human population | Odour | Nuisance, loss of amenity | Air transport then inhalation | Very Low | <p>There are no proposed changes to the type of waste as a result of the variation. Receipt, repackaging and storage activities will take place within the confines of the existing building which provides containment. The existing waste acceptance procedures will be applicable.</p> <p>There are no point source emissions to air from the additional activity, nor do the activities present any potentially new fugitive emission risks.</p> <p>Waste will be stored in accordance with limits set out in the Healthcare Waste Appropriate Measures Guidance – under normal conditions the transfer of bagged waste will take place on the same day as received.</p> | N |

| Receptor | Source | Harm | Pathway | Current Residual Risk | Addendum Comments | Residual Impact affected Y/N? |
|------------------------|---|---|--|-----------------------|---|-------------------------------|
| Local human population | Noise and vibration | Nuisance, loss of amenity, loss of sleep | Noise through the air and vibration through the ground | Low | The EP boundary remains unchanged by the variation, meaning the proposed activities are no closer in distance to sensitive receptors. Receipt, repackaging and storage activities will take place within the confines of the existing building which provides containment and abatement of noise. | N |
| Local human population | Scavenging animals and scavenging birds | Harm to human health -from waste carried off site and faeces Nuisance, loss of amenity | Air transport and over land | Very Low | There are no proposed changes to the type of waste as a result of the variation. Receipt, repackaging and storage activities will take place within the confines of the existing building which provides containment. The existing waste acceptance procedures will be applicable. The new activities do not introduce any new sources of interest for scavengers. | N |
| Local human population | Pests (e.g. flies) | Harm to human health, nuisance, loss of amenity | Air transport and over land | Very Low | There are no proposed changes to the type of waste as a result of the variation. Receipt, repackaging and storage activities will take place within the confines of the existing building which provides containment. The existing waste acceptance procedures will be applicable. The new activities do not introduce any new sources of interest for pests. | N |

| Receptor | Source | Harm | Pathway | Current Residual Risk | Addendum Comments | Residual Impact affected Y/N? |
|---|---|--|-------------------------|-----------------------|--|-------------------------------|
| Local human population and local environment | Flooding of site | If waste is washed off site it may contaminate buildings / gardens / natural habitats downstream | Flood waters | Very Low | There are no proposed changes to the type of waste as a result of the variation. There will be a potential increase in waste stored on the site but turnaround is within guideline timescales and all waste is appropriately contained (and in the case of bagged waste moveable as it is in wheeled carts). The variation will only contribute to waste washed off site during flooding will in terms of volume of clean-up, not to any hazard. | N |
| Local human population and / or livestock gaining unauthorised access | All on-site hazards: wastes; machinery and vehicles | Bodily injury | Direct physical contact | Low | <p>Receipt, repackaging and storage activities will take place within the confines of the existing building which provides containment. The existing waste acceptance procedures will be applicable.</p> <p>A small conveyor system may be installed to facilitate the inspection and handling of bagged waste – this will be operated in accordance with the supplier/machinery instructions and subject to regular inspection and service.</p> <p>The existing established management system applies which includes site security measures to prevent unauthorised access.</p> | N |

| Receptor | Source | Harm | Pathway | Current Residual Risk | Addendum Comments | Residual Impact affected Y/N? |
|--|--|---|---|-----------------------|---|-------------------------------|
| Local human population and local environment | Arson and / or vandalism causing the release of polluting materials to air (smoke or fumes), water or land | Respiratory irritation, illness and nuisance to local population. Injury to staff, fire fighters or arsonists/vandals. Pollution of water or land | Air transport of smoke. Spillages and contaminated firewater by direct run-off from site and via surface water drains and ditches | Low | <p>The pre-application advice noted the presence of one SAC and one SPA/Ramsar site within 10 km of the site, two SSSIs within 2 km of the site, and a Local Nature Reserve/Local Wildlife Sites and ancient woodland within 2 km of the site. These have already been assessed for the existing ERA and remain unchanged.</p> <p>There are no proposed changes to the type of waste as a result of the variation. Receipt, repackaging and storage activities will take place within the confines of the existing building which provides containment. The existing waste acceptance procedures will be applicable.</p> <p>The existing established management system will be followed which includes site security measures to prevent unauthorised access.</p> | N |
| Local human population and local environment | Accidental fire causing the release of polluting materials to air (smoke or fumes), water or land | Respiratory irritation, illness and nuisance to local population. Injury to staff or fire fighters. Pollution of water or land. | Air transport of smoke. Spillages and contaminated firewater by direct run-off from site and via surface water drains and ditches | Low | <p>The pre-application advice noted the presence of one SAC and one SPA/Ramsar site within 10 km of the site, two SSSIs within 2 km of the site, and a Local Nature Reserve/Local Wildlife Sites and ancient woodland within 2 km of the site. These have already been assessed for the existing ERA and remain unchanged.</p> <p>There are no proposed changes to the type of waste as a result of the variation. Receipt, repackaging and storage activities will take</p> | N |

| Receptor | Source | Harm | Pathway | Current Residual Risk | Addendum Comments | Residual Impact affected Y/N? |
|--|---|---|--|-----------------------|--|-------------------------------|
| | | | | | <p>place within the confines of the existing building which provides containment. The existing waste acceptance procedures will be applicable.</p> <p>The activities do not introduce any combustible materials and the existing fire prevention and control measures will apply.</p> <p>The existing established management system will be followed which includes site security measures to prevent unauthorised access.</p> | |
| All surface waters close to and downstream of site | Spillage of liquids, leachate from waste, contaminated rainwater run-off from waste e.g. containing suspended solids. | <p>Acute effects: oxygen depletion, fish kill and algal blooms</p> <p>Chronic effects: deterioration of water quality</p> | <p>Direct run-off from site across ground surface, via surface water drains, ditches etc.</p> <p>Indirect run-off via the soil layer</p> | Low | <p>The pre-application advice noted the presence of one SAC and one SPA/Ramsar site within 10 km of the site, two SSSIs within 2 km of the site, and a Local Nature Reserve/Local Wildlife Sites and ancient woodland within 2 km of the site. A number of these are water bodies that could be affected by this hazard. These have already been assessed for the existing ERA and remain unchanged.</p> <p>There are no proposed changes to the type of waste as a result of the variation. Receipt, repackaging and storage activities will take place within the confines of the existing building which provides containment. The existing waste acceptance procedures will be applicable.</p> | N |

| Receptor | Source | Harm | Pathway | Current Residual Risk | Addendum Comments | Residual Impact affected Y/N? |
|--|--|--|---|-----------------------|---|-------------------------------|
| Abstraction from watercourse downstream of facility (for agricultural or potable use). | Spillage of liquids, leachate from waste, contaminated rainwater run-off from waste e.g. containing suspended solids | Acute effects, closure of abstraction intakes. | Direct run-off from site across ground surface, via surface water drains, ditches etc. then abstraction | Very Low | There are no proposed changes to the type of waste as a result of the variation. Receipt, repackaging and storage activities will take place within the confines of the existing building which provides containment. The existing waste acceptance procedures will be applicable. There are no new point source emissions to water introduced by the proposed activities. | N |
| Groundwater | Spillage of liquids, leachate from waste, contaminated rainwater run-off from waste e.g. containing suspended solids | Chronic effects: contamination of groundwater, requiring treatment of water or closure of borehole | Transport through soil/groundwater then extraction at borehole | Very Low | There are no proposed changes to the type of waste as a result of the variation. Receipt, repackaging and storage activities will take place within the confines of the existing building which provides containment. The existing waste acceptance procedures will be applicable. There are no new point source emissions to water introduced by the proposed activities. | N |
| Local human population | Contaminated waters used for recreational purposes | Harm to human health - skin damage or gastrointestinal illness | Direct contact or ingestion | Low | The pre-application advice noted the presence of one SAC and one SPA/Ramsar site within 10 km of the site, two SSSIs within 2 km of the site, and a Local Nature Reserve/Local Wildlife Sites and ancient woodland within 2 km of the site. A number of these are water bodies, including reservoirs that could be used for recreational purposes. These have already | N |

| Receptor | Source | Harm | Pathway | Current Residual Risk | Addendum Comments | Residual Impact affected Y/N? |
|--|--------|--|---------|-----------------------|--|-------------------------------|
| | | | | | <p>been assessed for the existing ERA and remain unchanged.</p> <p>There are no proposed changes to the type of waste as a result of the variation. Receipt, repackaging and storage activities will take place within the confines of the existing building which provides containment. The existing waste acceptance procedures will be applicable.</p> | |
| Protected sites – European sites and SSSIs | Any | Harm to protected site through toxic contamination, nutrient enrichment, smothering, disturbance, predation etc. | Any | Low | <p>The pre-application advice noted the presence of one SAC and one SPA/Ramsar site within 10 km of the site, two SSSIs within 2 km of the site, and a Local Nature Reserve/Local Wildlife Sites and ancient woodland within 2 km of the site. These have already been assessed for the existing ERA and remain unchanged.</p> <p>There are no proposed changes to the type of waste as a result of the variation. Receipt, repackaging and storage activities will take place within the confines of the existing building which provides containment. The existing waste acceptance procedures will be applicable.</p> | N |

3 CONCLUSION

On the basis of the assessment above, which follows the H1 approach for risk assessment, it is considered that the control measures, that are either already in place at the site for the current permitted activities or are proposed to be implemented for the new activities, are appropriate.

The ERA is a live document and will be subject to regular review throughout the life of the permitted operations. It will also be amended, if required, following any significant change to operations, an incident resulting in an environmental impact, and/or any substantiated complaints.