



**LANDFILL ENVIRONMENTAL PERMIT VARIATION
APPLICATION
APPLICATION REPORT**

**FOR THE DEVELOPMENT CONSENT ORDER
APPLICATION FOR THE ALTERATION AND
CONSTRUCTION OF HAZARDOUS WASTE AND LOW
LEVEL RADIOACTIVE WASTE FACILITIES AT THE EAST
NORTHANTS RESOURCE MANAGEMENT FACILITY,
STAMFORD ROAD, NORTHAMPTONSHIRE**

PINS project reference: WS010005

PINS document reference: 9.2.1.1.1 EPL AR

March 2022



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**AN APPLICATION TO VARY ENVIRONMENTAL
PERMIT NUMBER EPR/TP3430GW FOR THE
HAZARDOUS WASTE LANDFILL SITE OPERATED BY
AUGEAN SOUTH LIMITED AT EAST NORTANTS
RESOURCE MANAGEMENT FACILITY**

Report reference: AU/KCW/AW/5646/01/APP
May 2021



Technical advisers on environmental issues

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1. Introduction

- 1.1** MJCA is commissioned by Augean South Limited (Augean) to prepare an application to vary Environmental Permit number EPR/TP3430GW (the permit) for the Hazardous Waste Landfill Site (the site) operated by Augean at East Northants Resource Management Facility (ENRMF), Stamford Road, Peterborough, PE8 6XX. The site location is shown on Figure ESID 1.
- 1.2** The currently permitted site, which comprises 11 phases of landfilling, covers an area of approximately 33.0 hectares and is centred approximately at National Grid Reference (NGR) TF 008 000. The current permit boundary is shown on Figure ESID 2 and marked in blue on Figure ESID 3. It is proposed that the permit boundary is extended to the west (the western extension) to include a series of ten new hazardous waste landfill phases. The proposed western extension covers an area of approximately 26.3 hectares. The proposed western extension is shown marked in red on Figure ESID 3. The overall proposed permit boundary, which covers an area of approximately 59.3 hectares centred on NGR TF 007 001 is shown marked with a green line on Figure ESID4. Further details of the proposed changes the subject of this application to vary the permit are presented in section 2 of this report and in the technical assessments and reports provided with the application.
- 1.3** Augean are the operator and permit holder of a separate Environmental Permit (EPR/YP3138XB) for a waste treatment and recovery facility for the treatment of hazardous waste and non-hazardous waste by soil washing, waste stabilisation and bioremediation (the treatment facility). The treatment facility including storage areas is located in the north western corner of the currently permitted landfill site. The treatment facility is located in the area which ultimately will be landfilled as Phase 11 of the landfill site. The boundary of Environmental Permit number EPR/YP3138XB is shown on Figures ESID 2 and ESID 3 for reference. A separate application to vary Environmental Permit number EPR/YP3138XB to amend the waste throughput and treatment activities is being progressed concurrently with this application to vary the landfill permit. It is not proposed that the permit boundary of Environmental Permit number EPR/YP3138XB will be changed as treatment and storage activities will continue at this location while the western extension landfill is operated. The north western corner of the current landfill will be the final area of the site to be landfilled following removal of the treatment facility.

- 1.4** Low level radioactive waste (LLW) is deposited currently at the landfill site under Environmental Permit number EPR/FB3598DD (the LLW permit) which will be the subject of a separate permit variation application to include the deposition of LLW in the western extension.
- 1.5** The facilities at ENRMF are an acknowledged part of the nationally significant infrastructure for the management of hazardous waste and LLW and are the subject of a Development Consent Order (DCO) which was granted in July 2013 and amended in June 2018. The DCO for the landfill and treatment activities extends to 2026. In order to secure continuity of its operations beyond 2026, Augean is preparing to submit an application for a new DCO for an extension in the area and timescales for the operation of the site including the extension to the west of the existing site and increasing the throughput of the treatment facility. Augean is carrying out an Environmental Impact Assessment (EIA) of the proposal. Technical studies have been undertaken to establish the baseline environment of the application site and the surrounding areas to facilitate an assessment of the potential impacts associated with the proposed development. As part of the pre-application consultation a Preliminary Environmental Information Report (PEIR)¹ has been prepared to explain the potentially significant impacts. The PEIR presents the environmental information collected to date and provides an initial assessment of the likely significant environmental effects. Once the assessment work is complete Augean will submit an Environmental Statement with the DCO application which will report on the likely significant environmental effects of the proposals identified in the EIA, the appropriate mitigation measures to be put in place where necessary and any residual effects. It is anticipated that the application for the DCO will be finalised and submitted in July 2021.
- 1.6** The application to vary the permit has been prepared with reference to relevant guidance provided by the Environment Agency on the gov.uk website. The application comprises completed Parts A, C2, C3 and F1 of the Environmental Permitting Application Forms which are presented at Appendix A. A non-technical summary of the application is presented at Appendix B.

¹ Report reference AU/KCW/LZH/1724/01/PEIR dated October 2020.

1.7 Discussions on the principles of the western extension area have taken place with the Environment Agency since 2017. An enhanced pre-application advice meeting was held with the Environment Agency on 17 July 2020 to discuss the results of a site investigation undertaken in the western extension area between November 2019 and March 2020 and the principles of the design of the western extension. Copies of the correspondence associated with the pre-application advice are appended to the Hydrogeological Risk Assessment (HRA) at Appendix C. The full details of the site investigation are presented in a factual report² which was provided to the Environment Agency on 19 June 2020 as part of the pre-application process. Appendix A of the factual report provides copies of the correspondence with the Environment Agency from 2017 in respect of the discussion of the principles of the western extension area.

1.8 The application to vary the permit is supported by various documents that are included as appendices to this report; namely:

Appendix A:	Application forms
Appendix B:	Non-technical summary
Appendix C:	Hydrogeological Risk Assessment (HRA)
Appendix D:	Summary of the management system
Appendix E:	Certificates of Technical Competence
Appendix F:	Environmental Risk Assessment (ERA) Report
Appendix G:	Environmental Setting and Installation Design (ESID) Report
Appendix H:	Stability Risk Assessment (SRA) Report
Appendix I:	Financial provision [Commercially confidential]

1.9 Augean has in place a management system to support the operation of the installation under the Environmental Permit. The site will continue to be operated

² Factual report of a site investigation in a potential extension to East Northants Resource Management Facility and Construction Quality Assurance Verification report for the installation of groundwater and landfill gas monitoring boreholes drilled during the site investigation. Report reference AU/KCW/JRC/2936/01. Dated June 2020.

under an Environmental Management System (EMS) that is certified to ISO14001 and which forms part of the Augean integrated environmental, quality and health and safety management system. The management system identifies roles and responsibilities relevant to the operation of the installation and provides procedures that must be followed under normal operating conditions and specific procedures to deal with abnormal operating conditions or in the event of an incident. The management system has been developed with reference to relevant guidance produced by the Environment Agency to support the operation of this type of regulated facility under an Environmental Permit. A summary of the management system is included at Appendix D to this report.

- 1.10** Augean is committed to training its staff so that they are technically competent to undertake the waste operations and uses the formal Chartered Institution of Wastes Management/Waste Management Industry Training and Advisory Board (CIWM/WAMITAB) scheme for these purposes. The training standards set out in the CIWM/WAMITAB scheme, as applicable to the operation of hazardous waste landfill, are adopted for training purposes. The associated Certificate of Technical Competence (CoTC) and Continuing Competence Certificate (CCC) of the relevant person are included at Appendix E to this report.
- 1.11** It is necessary for an operator of a landfill site to make provision for the management of the landfill site including the period following closure once it has stopped accepting waste and until such time that it can be demonstrated that the landfill poses no ongoing potentially unacceptable risks to human health or the environment. The site will be closed at the appropriate time in a manner that is consistent with the legislation and the requirements set out in the Environmental Permit in place at the time. The requirements of the legislation include the provision by the Operator of an agreed sum through an agreed mechanism which can be used for the management of the site including for a 60 year period after the landfill has stopped accepting waste. Condition 1.2.3 of the permit specifies:

“No deposit of waste authorised by this permit shall be commenced in phases 6, 7, 8, 9, 10 and 11 unless the operator has entered into an Agreement with the Environment Agency to secure financial provision for meeting the obligations under this permit and has provided the provision”

- 1.12** Financial Provision based on an expenditure plan³ has been agreed with the Environment Agency for the operation of the site based on the site operations under the existing Environmental Permit. A copy of the agreed expenditure plan for the site is presented at Appendix I to this report together with copies of emails from the Environment Agency dated 26 October 2016 confirming approval of the expenditure plan and dated 1 November 2016 confirming that the financial provision bond is in place. Because it contains commercially sensitive financial information the expenditure plan is to be treated as commercially confidential.
- 1.13** It will be necessary to amend the expenditure plan and associated financial provision in order to reflect the proposed changes to the Environmental Permit which are the subject of this application. Any changes to the expenditure plan cannot be finalised until a draft varied permit is issued and the requirements of the varied permit are known. It is proposed that once the draft permit is available for review, discussions are held with the Environment Agency in order to agree any revisions to the expenditure plan and associated financial provision.

³ Document reference AU_KCEc20147 FPEP [COMMERCIALY CONFIDENTIAL].xlsx provided to the Environment Agency on 26 October 2016.

2. Proposed changes

2.1 The following changes are proposed in respect of the operation of the hazardous waste landfill site:

- Extension of the permit boundary to include a series of new hazardous waste landfill phases in the western extension. The proposed western extension covers an area of approximately 26.3 hectares and is shown marked in red on Figure ESID 3. The western extension will provide an additional landfill void of approximately 2.5 million cubic metres. Details of the proposed landfill phasing are presented in the ESID report (Appendix G).
- An increase in the annual waste input limit specified in Table S1.4 from 249,999 tonnes per year to 300,000 tonnes per year. For clarity, Table S1.4 will be amended as follows:

Category	Limit Tonnes/Year
Hazardous waste	300,000
Inert Waste for cover	300,000
Waste for restoration	As agreed in accordance with Pre-operational measure 1 in Table S1.5.
Total	300,000

- A change to the restoration profile for the current site in order to integrate the final landscape of the existing site with the western extension. Details of the proposed restoration profile are presented in the ESID report (Appendix G).
- An extension in time from 2026 to 2046 for the leachate level limit of 5m above the cell base specified in Table S3.1 of the permit for the currently permitted landfill phases at the site comprising Phases 1 to 11 inclusive. The 5m leachate level limit will not apply to Phases 12 to 21 in the western extension. The HRA presented at Appendix C includes as part of the modelling an assessment of the impact of the proposal to extend the timescale by 20 years for the leachate level limit of 5m in Phases 1 to 11 of the landfill site.

- 2.2** There are no changes to the types of wastes received at the site, the general principles of the site containment design, the principles of the site operations including leachate and landfill gas management and site monitoring.
- 2.3** The landfill is operated on the principle of containment and the new landfill void will be operated as an extension of the current landfill area based on the same principle of containment. The existing and the new landfill void has been and will continue to be lined with an engineered low permeability barrier designed to retain contaminants within the engineered landfill. The landfill will continue to be operated in a series of phases which are filled and restored progressively. To complete the containment structure, to separate the restoration materials from the wastes and to minimise the infiltration of rainfall into the waste following achievement of final waste levels, the landfill is and will continue to be capped with a low permeability layer keyed in to the low permeability side liner system. The restoration materials will be placed above the low permeability cap.

3. Application form continuation

Part C3 Table 1a – Types of activities

3.1 The figure of 2,500,000 entered into the total storage capacity box in Table 1a comprises an estimate in cubic metres of the new landfill void to be created in the western extension.

3.2 The Directly Associated Activities (DAA) that may be undertaken at the installation are specified in Table S1.1 of the permit and summarised in the table below. This information has been reproduced below as the information does not fit into the boxes provided in application form Part C3. There are no proposed changes to the DAAs.

Activity ref	WFD Annex I and II operations (where applicable)	Activity listed in Schedule 1 of the EP Regs	Description of the specified activity	Limits of specified activity
A2	N/A	-	Management of leachate prior to treatment at the Leachate Treatment Plant which is a separately permitted activity (Ref: YP3138XB) or a leachate treatment facility elsewhere	Leachate arising from the landfill
A3	D15 – Storage of Hazardous waste prior to disposal	-	Temporary storage of hazardous waste in drums	Handling of drums on the site containing hazardous waste (as specified in Table S2.1) destined for disposal in the landfill site under Activity A1.
A4	N/A	-	Flaring of landfill gas for disposal in an appliance.	Landfill gas arising from the landfill.

APPENDICES

APPENDIX A
APPLICATION FORMS

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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 - 2 Applications from an individual
 - 3 Applications from an organisation of individuals or charity
 - 4 Applications from public bodies
 - 5 Applications from companies or corporate bodies
 - 6 Your address
 - 7 Contact details
 - 8 How to contact us
 - 9 Where to send your application
- 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

Augean South Limited

5b Company registration number

04636789

Date of registration (DD/MM/YYYY)

14/01/2003

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

MJCA, Baddesley Colliery Offices

Main Road, Baxterley

Atherstone

Warwickshire

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

East Northants Resource Management Facility

Stamford Road

Kings Cliffe

Peterborough

Postcode

PE8 6XX

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>
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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 proposed development comprises the construction of new landfill void to the west of the currently consented hazardous waste landfill area (the western extension).

Further details are provided in section 2 of the application report and in the ESID report.

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							
ENRMF Hazardous	Section 5.2 part A(1)a	Landfill for hazardous					AU/KCW/AW/5646/01/
Waste Landfill Site	The disposal of waste	waste and landfill					APP - Section 2
	in a landfill	restoration					

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)

First name

Last name

Phone

Mobile

Email

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
EPR/YP3138XB	East Northants Resource Management Facility, Stamford Rd, Kings Cliffe, Peterborough	PE8 6XX

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 AU/KCW/AW/5646/01/APP - Appendix I
- 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 AU/KCW/AW/5646/01/APP - Appendix D

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

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

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

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

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.

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 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 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 three hours to fill in this part of the application form.

Contents

- 1 What activities are you applying to vary?
- 2 Point source emissions to air, water and land
- 3 Operating techniques
- 4 Monitoring
- 5 Environmental impact assessment
- 6 Resource efficiency and climate change
- 7 How to contact us

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

1 What activities are you applying to vary?

Fill in Table 1a below with details of all the activities listed in schedule 1 of the Environmental Permitting Regulations (EPR) and all directly associated activities (DAAs) (in separate rows), that you propose to carry out at the installation.

Note: if you want to add a Medium combustion plant or specified generator (MCP/SG) to your installation please use part C2.5 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

AU/KCW/AW/5646/01/APP - Section 2

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

Schedule 1 listed activities						
Installation name	Schedule 1 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)
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	Put your main activity first			For installations that take waste only	For installations that take waste only	For installations that take waste only
ENRMF Hazardous Waste	Section 5.2 part A (1) (a),	Landfill for hazardous waste and landfill		D5, R10	0	0
Landfill Site	The disposal of waste in a	restoration				
	landfill					
Directly associated activities (See note 4)						
Name of DAA		Description of the DAA (please identify the schedule 1 activity it serves)				
Add extra rows if you need them		See AU/KCW/AW/5646/01/APP - Section 3				
For installations that take waste (See note 5 below)		Total storage capacity				2,500,000.00
		Annual throughput (tonnes each year)				300,000.00

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 part 2 of schedule 1 to the regulations.
- 2 Use the description from schedule 1 of the regulations. 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 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 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 (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.

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

There are no changes to the currently permitted list of wastes

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

2 Point source emissions to air, water and land

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

Fill in one table for each installation.

Table 2 – Emissions

Installation name		ENRMF Landfill		
Point source emissions to air				
Emission point reference and location	Source	Parameter	Quantity	Unit
High Temp Flare as shown on Figure ESID2	Landfill Gas Flare	Oxides of nitrogen	150.00	mg/m3
	Landfill Gas Flare	Carbon Monoxide	50.00	mg/m3
	Landfill Gas Flare	Total VOCs	10.00	mg/m3
No changes are proposed				
Point source emissions to water (other than sewers)				
Emission point reference and location	Source	Parameter	Quantity	Unit
See Table S3.3 of the permit	Surface Water	Suspended solids	40.00	mg/l
	Surface Water	Ammoniacal N	1.00	mg/l
	Surface Water	chloride	250.00	mg/l
	Surface Water	pH	9.00	pH units
No changes are proposed				
Point source emissions to sewers, effluent treatment plants or other transfers off site				
Emission point reference and location	Source	Parameter	Quantity	Unit
Not applicable				
Point source emissions to land				
Emission point reference and location	Source	Parameter	Quantity	Unit
Not applicable				

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.

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	ENRMF Landfill	
Description of the schedule 1 activity or directly associated activity Add extra rows if you need them	Best available technique (BATC, BREF or TGN reference) (see footnote below)	Document reference (if appropriate)
The disposal of waste in a landfill	Landfill (EPR 5.02)	
The disposal of waste in a landfill	GOV.uk Landfill Technical Guidance	

* 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 _____

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

MEPP (April 2015) superseded by 2021 application figures.

3 Operating techniques, continued

3b General requirements

Fill in a separate Table 4 for each installation.

Table 4 – General requirements

Name of the installation	ENRMF Landfill
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
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
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

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

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		Not applicable		
Capacity (See note 1 below)				
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

1 By 'capacity', we mean the total storage capacity (tonnes) or total treatment capacity (tonnes each day).

2 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

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	See the questions in appendix 4

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

No changes

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

No changes

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 section 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

See section 1 of report reference AU/KCW/AW/5651/01/APP

6 Resource efficiency and climate change

If the site is a landfill, you only need to fill in this section if the application includes landfill gas engines.

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

Document reference of the description

N/A

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

Document reference of the breakdown

N/A

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

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

N/A

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

N/A

7 How to contact us

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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 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			
Gas oil			
Heavy fuel oil			
Natural gas			
WID waste			
Biomass (see notes 1 and 2 below)			
Biomass (see notes 1 and 2 below)			
Biomass (see notes 1 and 2 below)			
Biomass (see notes 1 and 2 below)			
Biomass (see notes 1 and 2 below)			
Other			

Notes

- 1 Not covered by Industrial Emissions Directive 2010/75/EU.
- 2 'Biomass' is referred to in www.opsi.gov.uk/si/si2002/20020914.htm.

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

Document reference **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.

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?**

See Government Guidance.

No Now fill in part FYes **5 What is your plant?**an existing one A plant licensed before 1 July 1987a 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 2003a new-new one A plant for which an application was made on or after 27 November 2002**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)	

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 section 9Yes **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

Appendix 1 – Specific questions for the combustion sector, continued

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

No

Yes Document reference number _____

11a 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 11b

11b 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 number of this evidence _____

Yes Please submit a copy of your CBA

Document reference number 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); 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 also fill in questions 1, 2 and 3 of appendix 4 above.

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').

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

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)

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

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

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

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

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

14a 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 14b

14b 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 number of this evidence

Yes Please submit a copy of your CBA

Document reference number of the CBA

Appendix 4 – Specific questions for the landfill sector

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

Document reference

_____ AU/KCW/AW/5646/01/APP - Appendix G (ESID)

2 Provide your hydrogeological risk assessment (HRA) for the site

Document reference

_____ AU/KCW/AW/5646/01/APP - Appendix C

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

Document reference

_____ AU/KCW/AW/5646/01/APP - Appendix H

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

Document reference

_____ ESID Section 2

We have developed templates for these four reports which can be found at www.gov.uk/government/collections/environmental-permitting-landfill-sector-technical-guidance.

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

Document reference

_____ ESID Section 2

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
ENRMF Landfill					

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
1.17.3	Section 5.2 landfill for hazardous waste	substantial variation	
Total A			

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	██████	<input type="checkbox"/>
1.19.2	Habitats assessment (except where the application activity is a flood risk activity)	██████	<input type="checkbox"/>
1.19.3	Fire prevention plan (except where the application activity is a farming installation)	██████	<input type="checkbox"/>
1.19.4	Pests management plan (except where the application activity is a farming installation)	██████	<input type="checkbox"/>
1.19.5	Emissions management plan (except where the application activity is a farming installation)	██████	<input type="checkbox"/>
1.19.6	Odour management plan (except where the application activity is a farming installation)	██████	<input type="checkbox"/>
1.19.7	Noise and vibration management plan (except where the application activity is a farming installation)	██████	<input type="checkbox"/>
1.19.8	Ammonia emissions risk assessment (intensive farming applications only)	██████	<input type="checkbox"/>
1.19.9	Dust and bio-aerosol management plan (intensive farming applications only)	██████	<input type="checkbox"/>
	Advertising	██████	<input type="checkbox"/>
Total B			

Total charges

Total A plus total B

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

████████████████████

Date paid (DD/MM/YYYY)

06/05/2021

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)

_____ - Augean South Limited

Fee paid

£ _____

Date payment sent (DD/MM/YYYY)

06/05/2021

Now read section 3 below

You should also email your payment details and reference number to _____

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
Form C2 Q1a	Pre-application discussions	AU/KCW/AW/5646/01 - Appendix C - HRA
Form C2 Q3b	Technical ability - COTC	AU/KCW/AW/5646/01 - Appendix E - COTC
Form C2 Q3c	Financial Provision Expenditure Plan	AU/KCW/AW/5646/01 - Appendix I - FPEP
Form C2 Q3d	Management systems	AU/KCW/AW/5646/01 - Appendix D - EMS
Form C2 Q5a	Site Plans	AU/KCW/AW/5646/01 - Appendix G - Drawings
Form C2 Q5b	Site Report	AU/KCW/AW/5646/01 - Appendix G - ESID
Form C2 Q5c	Non technical summary	AU/KCW/AW/5646/01 - Appendix B - NTS
Form C2 Q6	Environmental Risk Assessment	AU/KCW/AW/5646/01 - Appendix F - ERA
Form C3 Q5a	Environmental Impact Assessment	AU/KCW/AW/5646/01 - Section 1
Form C3 Appendix 4 - 1	ESID	AU/KCW/AW/5646/01 - Appendix G - ESID
Form C3 Appendix 4 - 2	HRA	AU/KCW/AW/5646/01 - Appendix C - HRA
Form C3 Appendix 4 - 3	SRA	AU/KCW/AW/5646/01 - Appendix H - SRA
Form C3 Appendix 4 - 4	LFGRA	AU/KCW/AW/5646/01 - Appendix G - ESID
Form C3 Appendix 4 - 5	Closure	AU/KCW/AW/5646/01 - Appendix G - ESID

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

£ _____

APPENDIX B
NON-TECHNICAL SUMMARY

An application to vary environmental permit number EPR/TP3430GW for the Hazardous Waste Landfill Site operated by Augean South Limited to increase the area of the existing permitted site

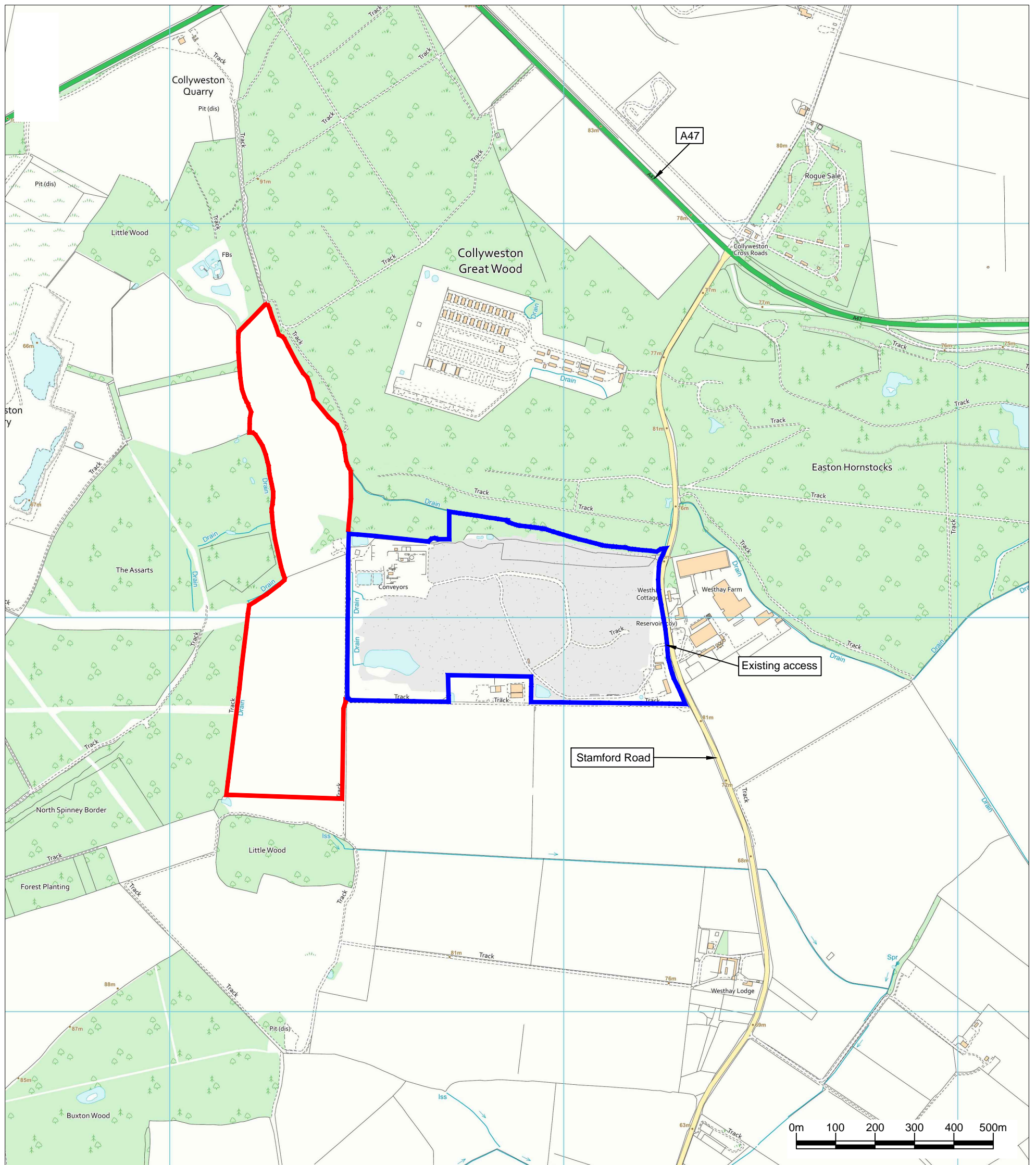
Non-technical summary

- 1.1** Augean South Limited (Augean) operate a landfill for the disposal by landfilling of hazardous waste at East Northants Resource Management Facility (ENRMF) (the site) under Environmental Permit Number EPR/TP3430GW (the permit). The currently permitted site, which comprises 11 phases of landfilling, covers an area of approximately 33.0 hectares and is centred approximately at National Grid Reference (NGR) TF 008 000. The current permit boundary is shown marked with a blue line on Figure NTS1.
- 1.2** The following changes are proposed in respect of the operation of the hazardous waste landfill site:
- Extension of the permit boundary to the west (the western extension) to include a series of ten new hazardous waste landfill phases (Phases 12 to 21). The proposed western extension covers an area of approximately 26.3 hectares and is shown marked with a red line on Figure NTS1. The western extension will provide an additional landfill void of approximately 2.5 million cubic metres.
 - An increase in the annual waste input limit from 249,999 tonnes per year to 300,000 tonnes per year.
 - A change to the restoration profile for the current site area in order to integrate the final landscape of the existing site with the western extension.
 - An extension in time from 2026 to 2046 for the leachate level limit of 5m above cell base specified in Table S3.1 of the permit for the currently permitted landfill phases at the site comprising Phases 1 to 11 inclusive. The 5m leachate level limit will not apply to Phases 12 to 21 in the western extension.
- 1.3** There are no changes to the types of wastes received at the site, the general principles of the site containment design, the principles of the site operations including leachate and landfill gas management and site monitoring.

- 1.4** The facilities at ENRMF are an acknowledged part of the nationally significant infrastructure for the management of hazardous waste and LLW and are the subject of a Development Consent Order (DCO) which was granted in July 2013 and amended in June 2018. The DCO for the landfill and treatment activities extends to 2026. In order to secure continuity of its operations beyond 2026, Augean is preparing to submit an application in 2021 for a new DCO for an extension in the area and timescales for the operation of the site including the extension to the west of the existing site.
- 1.5** The site setting of the western extension area is generally rural with the majority of the land surrounding the site comprising open farmland or woodland. There are scattered properties within 1km of the proposed extended permit boundary. The closest properties to the proposed extended permit boundary are the properties at Westhay Cottages located approximately 25m to the east of the currently permitted site and approximately 815m to the east of the proposed western extension area. Westhay Farm is located approximately 75m east of the currently permitted site and approximately 865m to the east of the proposed western extension area. There are no residential properties located within 500m of the western extension area. The eastern boundary of the northern section of the western extension area is adjacent to Collyweston Great Wood. To the east and north east of the currently permitted site, beyond Collyweston Great Wood and east of Stamford Road is an area of woodland known as Easton Hornstocks. Parts of the Collyweston Great Wood and Easton Hornstocks comprise a Site of Special Scientific Interest (SSSI) and a National Nature Reserve.
- 1.6** Detailed waste acceptance procedures are in place for the currently permitted landfill site to minimise the risk that unacceptable waste materials will be accepted at the site including procedures for the rejection of non-conforming loads. The receipt, acceptance, handling and storage of waste materials are the subject of procedures under which the landfill is operated currently.
- 1.7** Augean has in place a management system to support the operation of the installation under the Environmental Permit. The site will continue to be operated under an Environmental Management System (EMS) that is certified to ISO14001. The management system identifies roles and responsibilities relevant to the operation of the installation and provides procedures that must be followed under normal

operating conditions and specific procedures to deal with abnormal operating conditions or in the event of an incident. The management system has been developed with reference to relevant guidance produced by the Environment Agency to support the operation of this type of regulated facility under an Environmental Permit.

- 1.8** Augean is committed to training its staff so that they are technically competent to undertake the waste operations and uses the formal Chartered Institution of Wastes management/Waste Management Industry Training and Advisory Board (CIWM/WAMITAB) scheme for these purposes. The training standards set out in the CIWM/WAMITAB scheme, as applicable to the operation of hazardous waste landfill, are adopted for training purposes.
- 1.9** In order to demonstrate that the landfill site can be operated in accordance with the requirements of relevant legislation and the conditions of the permit, including those in the Waste Framework Directive (2008/98/EC) and the Landfill Directive (1999/31/EC), which is implemented in England and Wales through the Environmental Permitting (England and Wales) Regulations 2016, various risk assessments have been undertaken to evaluate the potential risks from the proposed activities to human health and the environment. The risk assessments demonstrate that the proposed variations the subject of the application can be undertaken without affecting adversely the surrounding environment.
- 1.10** A programme of routine environmental monitoring in respect of landfill leachate, groundwater, surface water, landfill gas, particulate matter in ambient air and topographical surveys is specified in the permit for the site. The monitoring will continue to be undertaken for the purpose of confirming the assumptions made in the various risk assessments and to demonstrate that the activities are not affecting adversely the surrounding environment.



Key / Notes

- Proposed western extension to the ENRMF hazardous waste landfill Environmental Permit

- Approximate current boundary of Environmental Permit number EPR/TP3430GW/V005 for the ENRMF hazardous waste landfill

Rev	Final	KR	AW	LH	07/05/21	
	Status	Drn	App	Chk	Date	
Site		EAST NORTHANTS RESOURCE MANAGEMENT FACILITY				Client
Title						
Environmental permit boundaries						
Figure NTS 1					Scale 1:10,000@A3	
Drawing Ref AU/KCW/03-21/22328						

APPENDIX C
HYDROGEOLOGICAL RISK ASSESSMENT (HRA) REPORT

APPENDIX D
SUMMARY OF THE MANAGEMENT SYSTEM

INTEGRATED MANAGEMENT SYSTEM

Our Integrated Management System (IMS) is the framework of processes and procedures used to ensure we can fulfill all tasks required to achieve our objectives. Occupational health and safety, environmental and quality issues are fundamental to the business success of the Company. It is Company policy that our health and safety, environmental, and quality, systems are integrated to facilitate best practice in all facets of our business.

Our IMS is based on the requirements of our permits at each site; ISO 14001:2015 the International Standard for environmental management systems; ISO 9001:2015 the International Standard for quality management systems; OHSAS 18001:2007 Specification for Occupational Health and Safety Management systems and PAS99:2012 Publically Available Specification of common management system requirements as a framework for integration. The procedures and documents within our IMS surpass the requirement of a Health and Safety at Work policy as required by The Health and Safety at Work etc Act 1974

ISO 14001: specifies the requirements for an environmental management system (EMS), which provides a framework for Augean to control the environmental impacts of its activities, products and services, and continually improve its environmental performance. This international standard applies to those environmental aspects which Augean can control and over which it can be expected to have an influence. It does not state specific environmental performance criteria.

Implementation of, and certification to, ISO14001 is a legal requirement of Augean's environmental permits at each operational site. A failure to meet the requirements of the standard could therefore have a significant impact on the Company's business.

ISO 9001: sets out the requirements of a quality management system and is based on a number of (quality management) principles including a strong customer focus, the motivation and implication of top management, the process approach and continual improvement. The standard requires all documentation to be controlled and have a date of issue and version number to ensure that a procedure or work instruction that is being followed for example, is the latest, or current, version which in turn supports OSHAS 18001.

BS OHSAS 18001 (being replaced by ISO 45001 in 2021): By meeting the requirements of this standard, Augean can demonstrate that health and safety risks are being managed properly through the development and implementation of procedures; work instructions; risk assessments; and training as required by the underpinning legislation. An additional benefit to the Company is a reduction in the risk of business disruption, injury to its personnel and others working on Augean's behalf, and a reduction in possible fines as the potential for accidents and incidents is significantly reduced.

RELEVANT IMS PROCEDURES

Project	Reference
Acceptance and Storage of NORM at treatment facilities	NORM 3
Acceptance of waste	ECP02
Acceptance of Waste	TTP 02
Acidity & Alkalinity (Quick Method)	TTLab WI 08
Acidity of effluent (long method)	TTLab WI 06
Acidity of effluent (short method)	TTLab WI 05
AGM Operation	WI 007
AGM2 Operation and Maintenance Manual	WI 013
Alkalinity of (effluent) liquid samples	TTLab WI 07
ANSS/GDF operations	WRP 01
Auditing	CPP05
Authorisation and Competence to Operate Mobile Plant	CPP42
Booking Confirmation (Guide)	IG 12
Business Manual	BM01
Carriage of Samples	CPP41
Chemical Oxygen Demand	TTLab WI 02
Cleaning of building lights	WI 011
Collecting containerised waste from customer site	TRA P06
Communication	CPP13
Compatibility testing and bulking operations	TTP 08
Complaints	CPP14
Conditions for acceptance of NORM waste	NORM 1
Confined Space Entry - ITD Drum	WI 006
Confined Space Entry - Working in	OPP04
Container crushing and shredding	TTP 09
Containerised storage of incompatible materials	IG06
Contractors and Agency Staff - Control of	CPP17
COSHH	CPP08
Customer Account Set Up, invoicing and credit control	CPP35
Customer Care Policy	CPP12
Dealing with spillages on customer sites - Overarching	CPP43
Decanting and cleaning of NORM waste containers	NORM 7
Disabled Persons	CPP31
Display Screen Equipment	CPP24
Disposal of residue from ITD	IG07
Documents - control of	CPP03
Drill Cutting Handling Operations	PC P03
Drivers Handbook	
Driving at Work	CPP38
Driving in windy conditions in curtain sided vehicles	WI 019
Driving Licenses	TRA P02
Electrical safety	CPP25
Emergencies - responding to out of hours	CPP39
Emergency and Incident Plan	PC01
Emergency and Pollution Preparedness and Response	CPP04

Project	Reference
Emergency Plan	PC01
Entering and exiting vehicle cabs	WI 017
Environmental - Regulatory Register	BM03
Environmental Aspects - Port Clarence & WaRP	BMS05
Environmental Aspects - Port Clarence and WaRP	BMS05
Environmental Aspects Identification and Assessment	CPP02
Fire Marshall	WI 014
Fire Safety	CPP21
First Aid	CPP22
Flash Point	TTLab WI 01
Fugitive emission control	ECP 04
Fugitive emission control	TTP 06
Full Quotations (Guide)	IG 11
Guidance for tanker drivers and industrial services staff	WI 029
Hand Arm Vibration Risk Assessment	CPP45
Handling thefts or unaccounted losses	CPP37
Health and Safety - Regulatory Register	BM02
Health Surveillance	CPP23
High Consequenced Dangerous Goods - Plant Security	IG04
High Consequenced Dangerous Goods - Office	IG05
Incident Investigation	CPP20
Indicative Quotations (Guide)	IG 10
Inspections for Plant and Work Equipment	OPP02
ITD - Preacceptance of Waste	IG03
ITD Operation	ITD 04
ITD Shutdown	ITD 05
ITD Start Up	ITD 02
ITD Start up - PDP	ITD 02a
ITD Start up - Soil	ITD 02b
Laboratory Smalls	TTP 07
Loading the Drill Cuttings Bunker	WI 012
Local Rules– Ionising Radiations Regulations 2017	PC 05
Lone Working	CPP32
Maintenance of regulatory register and evaluation of compliance	CPP01
Management of Augean Incumbency Operations	CPP44
Management of Change - overarching	CPP11
Management of change - permanent	WI 001
Management of Change - Temporary	WI 002
Management Review	CPP06
Manual Handling	CPP26
Mechanical and Low Voltage Isolation	OPP06
Metals (Semi-quantitative)	TTLab WI 09
New and expectant mothers	CPP33
Noise Control	CPP28
Nonconforming waste Loads, quarantine and rejection	ECP03
Non-Conforming waste, quarantine and rejection	TTP 03
Non-Conforming Works and Improvement Procedure	CPP46

Project	Reference
Norm - Monitoring Protocol	NORM 8
NORM Decanting	WI 024
Oil Content	TTLab WI 03
Opening and closing curtains on curtainsiders	WI 016
Participation and Consultation	CPP15
Permit to work	CPP19
Personal Protective Equipment	CPP27
pH of a sample	TTLab WI 04
Phenol, ammonia, formaldehyde & hypochlorite	TTLab WI 11
Plant maintenance - use and maintenance	OPP01
PPC Leachate Pipework Inspection	PC10
Preacceptance and acceptance of Hi-Pods	TTP 10
Preacceptance of NORM waste at treatment sites	NORM 2
Preacceptance of waste	ECP 01
Preacceptance of Waste	TTP 01
Prevention of falls from road tankers and trucks	IG08
Purchasing and Evaluation of Suppliers	CPP36
Quarantine of NORM waste at treatment facilities	NORM 4
Removal of the discharge box and belows	WI 008
Risk Assessment	CPP07
Safe Isolation of Plant and Equipment	OPP05
Sales Order Process	CPP 18
Sample reception and management	CBP42
Sampling of Waste	IG01
Security of dangerous goods - advice to drivers	WI 018
Semi-quantitative Determination of ammonium (60 - 170mg/l ammonium)	TTLab WI 59
Semi-quantitative Determination of chromium(0.03-1.0mg/l chromium)	TTLab WI 55
Semi-quantitative Determination of chromium(0.1-2.0mg/l tin)	TTLab WI 56
Semi-quantitative Determination of copper(0.1-8.0mg/l tin)	TTLab WI 57
Semi-quantitative Determination of nickel (0.1 – 6.0 mg/l nickel)	TTLab WI 61
Semi-quantitative Determination of phenol (5-50 & 20-200mg/l phenol)	TTLab WI 54
Semi-quantitative Determination of sulphate (4- -150mg/l sulphate)	TTLab WI 58
Semi-quantitative Determination of sulphide (0.1 – 2.0 mg/l sulphide)	TTLab WI 60
Semi-quantitative Determination of Zinc (0.2 – 6.0mg/l Zn)	TTLab WI 53
Settleable solids	TTLab WI 13
Site Maintenance and security	OPP03
Site Rules - Drivers	PC P02
Site Rules - Drivers	PC 02
Site Rules - Visitors and Contractors	PC P02
Site Rules - Visitors and Contractors	PC 02
Specific Gravity	TTLab WI 14
Stabilisation of NORM Waste	NORM 5
Staying Alive - Life Saving Rules	EG-JA
Storage	TTP 04
Strapping and unstrapping loads	WI 015
Stress at Work	CPP34
Supply of transport equipment	TRA P05

Project	Reference
Suspended Solids in Effluents and Waste Materials	TTLab WI 12
System non-conformance identification, investigation and implementation of corrective and preventative actions	CPP10
Tachographs	TRA P01
Tank Farm Batching	PC P04
Tank Farm Plant Instruction	WI 023
Technical Enquiry Form - explained	IG
Traffic Management	WI 027
Training - Competence and Awareness	CPP09
Transfer and Dispatch of waste	OPP07
Transport Bookings	TRA P04
Trimming of ITD drum using hydraulic jack	WI 009
Use of hand held power tools	OPP11
Use of Personal Dosemeters	NORM 6
Vehicle Maintenance	TRA P03
Violence at Work	CPP29
Visitors - Control of	CPP16
Waste Sampling	TTP 05
Waste Stock Management	WI 030
Waste Storage for stabilisation	STP02
Water bowser (filling, use etc)	ECP 05
Welding and flame cutting	OPP08
Working at Height	OPP09
Working with sewage	IG02
Workplace Transport Safety	OPP10
Young persons	CPP30

Integrated Management System (IMS)

Regulatory Registers – Health and Safety / Environmental

Evaluation of aspects, impacts and risks

- o Risk Assessment (RA)
- o COSHH
- o Environmental Aspects
- o Manual Handling
- o Handling thefts or unaccounted losses
- o Specific RAs Corporate Division Site
- o COSHH Forms
- o Site Environmental Aspect register

Emergency and pollution

- o Emergency and pollution preparedness and response
- o Fire Safety
- o First Aid
- o Incident Investigation
- o Responding to our of hour emergencies
- o Site Emergency Plan
- o Site Fire risk assessment

Employee Welfare

- o Communication
- o Disabled Persons
- o Display Screen Equipment
- o Health Surveillance
- o Lone Working
- o New and expectant mothers
- o Noise Control
- o Participation and consultation
- o PPE
- o Stress at Work
- o Violence at Work
- o Young person

Control of third parties at Augean site

- o Control of visitors / drivers / couriers
- o Control of contractors
- o Permit to work instruction
- o Communication
- o Participation and consultation
- o Site Rules

IMS system compliance

- o Business Manual
- o Control of documents
- o Auditing
- o Maintenance of regulatory register and evaluation of compliance
- o System non-conformance identification, investigation and implementation of corrective and preventative actions
- o Management Review

Competence and Awareness Training

Purchasing of goods and/or services

- o Purchasing
- o Supplier Evaluation

Sales

- o Communication
- o Customer Care policy
- o Customer Account set up, Invoicing and credit control
- o Pre-acceptance of waste

Process Safety System

- Our PSMS combines a number of existing IMS procedures (red wording) with site specific PSM procedures:
- o Process Kiss Charts
 - o P&IDs
 - o Basis of safety
 - o DSEAR, HAC, HAZOP
 - o Process hazard review
 - o LOPA and SIL determination
 - o Plant Specific work instructions
 - o Plant specific operation
 - o Instructions to start up plant
 - o Asset integrity
 - o Technical Safety Review for new projects
 - o Development of PSPI

Operational Sites

- o Management of operational change
- o Communication
- o Complaints
- o Site Maintenance and security
- o Plant and Equipment – use and maintenance
- o Statutory inspections for plant and work equipment
- o Site Transport Safety
- o Working at Height
- o Working in confined spaces
- o Welding and flame cutting
- o Fugitive emissions
- o Mechanical and Low Voltage Isolation
- o Safe Isolation of plant and equipment
- o Use of hand held power tools
- o Procedures - Site Specific
- o Procedures – Divisional specific
- o Risk Assessments – Site specific
- o Risk Assessments – Divisional specific

Transport

- o Driver – Operator Guidance Notes
- o Transport Safety
- o Risk Assessments

Industrial Services

- o Tank cleaning
- o Water Jetting activities
- o Various work instructions
- o Risk Assessments

Labs

UKAS Accreditation
ISO/IEC 17025: 2005 – Testing
Certification number 4292

Treatment

- o Pre-acceptance of waste
- o Acceptance of waste
- o Non-conforming and quarantine waste
- o Laboratory Smalls
- o Waste sampling
- o Storage of waste
- o Compatibility testing and bulking
- o Container crushing and shredder
- o Transfer and dispatch of waste

Landfill

- o Pre-acceptance of waste
- o Acceptance of waste
- o Non-conforming and quarantine waste
- o Transfer and dispatch of waste

Transport are currently being incorporated into the IMS so further documentation will be listed once approved.

APPENDIX E
CERTIFICATES OF TECHNICAL COMPETENCE

APPENDIX F
ENVIRONMENTAL RISK ASSESSMENT (ERA) REPORT



**AN APPLICATION TO VARY ENVIRONMENTAL
PERMIT NUMBER EPR/TP3430GW FOR THE
HAZARDOUS WASTE LANDFILL SITE OPERATED BY
AUGEAN SOUTH LIMITED AT EAST NORTANTS
RESOURCE MANAGEMENT FACILITY**

**NUISANCE AND AMENITY ENVIRONMENTAL RISK
ASSESSMENT (ERA)**

Report reference: AU/KCW/AW/5646/01/ERA
May 2021



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TABLES

Table ERA 1 Risk screening matrix (landfill)

Table ERA 2 Assessment of nuisance and amenity risks associated with the permanent deposit of hazardous waste at the western extension to the ENRMF Landfill Site

FIGURES

Figure ERA1 Environmental site setting (drawing number AU/KCW/12-20/22151)

Figure ERA2 Designated sites in the vicinity of the western extension area (drawing number AU/KCW/02-21/22249)

This report has been prepared by MJCA with all reasonable skill, care and diligence, and taking account of the Services and the Terms agreed between MJCA and the Client. This report is confidential to the client and MJCA accepts no responsibility whatsoever to third parties to whom this report, or any part thereof, is made known, unless formally agreed by MJCA beforehand. Any such party relies upon the report at their own risk.

1. Introduction

- 1.1** This document comprises the nuisance and amenity Environmental Risk Assessment (ERA) report which has been prepared in support of the application to vary Environmental Permit number EPR/TP3430GW (the permit) for the Hazardous Waste Landfill Site (the site) operated by Augean at East Northants Resource Management Facility (ENRMF). The variation application will increase the permit boundary to include a series of new hazardous waste landfill phases to the west of the currently permitted area (the western extension area). The proposed western extension area covers an area of approximately 26.3 hectares and is shown marked in red on Figure ERA 1 and Figure ERA 2. The ERA has been prepared in support of the application based on the risk screening matrix provided in Table ERA 1 and is presented in Table ERA 2. The ERA is relevant to the activities to be undertaken in the western extension area. An ERA in respect of the currently permitted site was included in the permit variation application submitted to the Environment Agency in September 2014.
- 1.2** In the ERA consideration is given to potential receptors and pathways for impacts based on an understanding of the environment surrounding the site that is presented in the Environmental Setting and Installation Design (ESID) report reference AU/KCW/AW/5646/01/ESID. The ESID is presented at Appendix G to the application. The assessment of the risks associated with the operation of the site is based on the information on the design and operation of the site described in the ESID report and the accompanying technical reports and the general principles of Environment Agency guidance "Risk assessments for your environmental permit" first published on the GOV.UK website on 1 February 2016.
- 1.3** This risk assessment takes into consideration receptors within 500m of the western extension area and statutory designated nature and heritage conservation sites within 2km of the western extension area. The receptors located within 500m of the proposed western extension area are shown on Figure ERA 1. The statutory designated nature and heritage conservation sites within 2km of the proposed western extension area are shown on Figure ERA 2.
- 1.4** The site setting of the western extension area is generally rural with the majority of the land surrounding the site comprising open farmland or woodland. There are scattered properties within 1km of the proposed extended permit boundary. The

closest properties to the proposed extended permit boundary are the properties at Westhay Cottages located approximately 25m to the east of the currently permitted site and approximately 815m to the east of the proposed western extension area. Westhay Farm is located approximately 75m east of the currently permitted site and approximately 865m to the east of the proposed western extension area. There are no residential properties located within 500m of the western extension area.

- 1.5** Based on the information available on the DEFRA MAGIC website¹ there are no National Parks, Areas of Outstanding National Beauty, Special Areas of Conservation, Special Protected Areas, Ramsar Sites or Marine Conservation Zones within 5km of the western extension area.
- 1.6** The area of agricultural land to the south of the western extension area is bordered to the south by woodland known as Little Wood (Figure ERA 1). To the west of the western extension area the application boundary is adjacent to woodland known as Fineshade Wood part of which is known as The Assarts and which is a Local Wildlife Site (Figure ERA 1 and Figure ERA 2). The eastern boundary of the northern section of the western extension area is adjacent to Collyweston Great Wood. To the east and north east of the currently permitted site, beyond Collyweston Great Wood and east of Stamford Road is an area of woodland known as Easton Hornstocks. Parts of the Collyweston Great Wood and Easton Hornstocks comprise a Site of Special Scientific Interest (SSSI) and a National Nature Reserve. Collyweston Quarry Local Geological Site is located approximately 500m west north west of the western extension area at its closest point.
- 1.7** There are no listed buildings or scheduled monuments within 500m of the western extension area.
- 1.8** The Public Rights of Way (PRoW) in the vicinity of the site are shown on Figure ERA 1. No PRoW cross the western extension area. There are rights of way to the west of the western extension area which run through The Assarts woodland (part of Fineshade Wood). The closest right of way is Footpath MX15 which is approximately 100m to the west of the boundary of the western extension area at its closest point. Footpath MX15 runs in a north westerly and south westerly direction and connects

¹ Reviewed on 2 June 2020.

into the wider PRow network. The Jurassic Way bridleway (NE12) is located approximately 845m to the west of the western extension area at its closest point.

- 1.9** The runway at RAF Wittering (Figure ERA 2), which comprises an operational training airfield, is located approximately 2km to the north east of the western extension area.
- 1.10** A wind rose for the period 2000 to 2019 prepared by ADM Limited based on data from the Meteorological Office located at RAF Wittering Airfield is presented on Figure ERA 2. The wind rose shows that the prevailing wind is from the west or west south west.

2. Conclusion

- 2.1 The ERA that has been completed to support the application demonstrates that the operation of the western extension landfill area has a low or very low risk of adverse impact on the surrounding environment including sites of heritage or nature conservation interest.

Table ERA 1 Risk screening matrix (landfill)

RISK TYPE	ODOUR		NOISE AND VIBRATION		FUGITIVE EMISSIONS								
					PARTICULATE MATTER				LITTER		BIRDS, VERMIN AND INSECTS		MUD ON THE ROAD
GENERIC HAZARDS \ GENERIC RECEPTORS ¹	Waste storage and handling	Waste delivery	Waste delivery	Waste storage and handling	Waste delivery	Waste storage and handling	Restored surfaces	Access routes	Waste delivery	Waste storage and handling	Waste delivery	Waste deposition	Vehicle Movements
DOMESTIC DWELLING													
SCHOOLS AND COLLEGES													
HOSPITALS													
OFFICES/COMMERCIAL PREMISES			X	X	X	X	X	X					
INDUSTRIAL PREMISES			X	X	X	X	X	X					
PUBLIC FOOTPATH OR BRIDLEWAY			X	X	X	X	X	X					
HIGHWAYS OR ROADS													X
PARKS AND PUBLIC OPEN SPACES			X	X	X	X	X	X					
FARMLAND WITH LIVESTOCK			X	X	X	X	X	X					
FARMLAND ARABLE			X	X	X	X	X	X					
PRIORITY HABITAT			X	X	X	X	X	X					
NATURE SITE OF LOCAL IMPORTANCE (e.g. LNR, LWS,)			X	X	X	X	X	X					

Table ERA 1 Risk screening matrix (landfill)

RISK TYPE	ODOUR		NOISE AND VIBRATION		FUGITIVE EMISSIONS								
					PARTICULATE MATTER				LITTER		BIRDS, VERMIN AND INSECTS		MUD ON THE ROAD
GENERIC HAZARDS \ GENERIC RECEPTORS ¹	Waste storage and handling	Waste delivery	Waste delivery	Waste storage and handling	Waste delivery	Waste storage and handling	Restored surfaces	Access routes	Waste delivery	Waste storage and handling	Waste delivery	Waste deposition	Vehicle Movements
SITE OF SPECIAL SCIENTIFIC INTEREST (within 2km)			X	X	X	X	X	X					
SPECIAL AREA OF CONSERVATION (within 2km)													
SPECIAL PROTECTION AREA (within 2km)													
LISTED BUILDINGS (within 500m)													
SCHEDULED MONUMENT (within 500m)													
AIRPORT					X	X	X	X					
RAILWAY													
SURFACE WATER					X	X	X	X					

X = generic receptor type present and generic hazard considered as part of this assessment

¹ All generic receptors within 500m of the western extension area have been identified unless an alternative distance has been identified

Table ERA 2 Assessment of nuisance and amenity risks associated with the permanent deposit of hazardous waste at the western extension to the ENRMF Landfill Site

What do you do that can harm and what could be harmed			Assessing the risk			Managing the risk	
Hazard	Receptor (see Figures ERA 1 & ERA2)	Pathway	Probability of exposure	Consequence	What is the overall risk	Risk management	What is the residual risk
What has the potential to cause harm	What is at risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk? The balance of probability and consequence	What measures will you take to reduce the risk? If it occurs – who is responsible for what?	What is the risk that still remains?
Odorous wastes received at the site. [Screened out in Table ERA 1]	Local human population	Air	Low	Nuisance, loss of amenity	Low	<p>The closest residential receptors to the western extension area are over 500m from the extension boundary.</p> <p>The hazardous wastes which are received at the site contain minimal quantities of putrescible material which mean it is unlikely that significant odorous emissions will be generated by the biodegradation of organic matter in the imported wastes. Some industrial wastes may contain odorous chemical contaminants and Augean implement an odour assessment as part of their pre-acceptance waste checks and waste with significant odour potential will not be accepted for delivery to the site. Based on the proposed continuation of the current controls implemented at the site, and based on the nature of the current and proposed wastes accepted at the site it is considered that there will be no significant impacts associated with odour generated as a result of the site activities.</p>	Very Low

Table ERA 2 Assessment of nuisance and amenity risks associated with the permanent deposit of hazardous waste at the western extension to the ENRMF Landfill Site

What do you do that can harm and what could be harmed			Assessing the risk			Managing the risk	
Hazard	Receptor (see Figures ERA 1 & ERA2)	Pathway	Probability of exposure	Consequence	What is the overall risk	Risk management	What is the residual risk
What has the potential to cause harm	What is at risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk? The balance of probability and consequence	What measures will you take to reduce the risk? If it occurs – who is responsible for what?	What is the risk that still remains?
Mobile plant and vehicles including waste deposition and delivery	Local human population	Air	Low	Nuisance from noise	Low	<p>The closest residential receptors to the western extension area are over 500m from the extension boundary.</p> <p>An assessment of the noise impact of the proposed operations at the nearest sensitive receptors has been carried out in support of the application for a Development Consent Order (DCO). The results of the assessment demonstrate that there will be no significant or unacceptable adverse impacts at noise-sensitive premises in the vicinity as a result of the proposed operations.</p> <p>The following noise and vibration control measures will continue to be implemented at the site to minimise any potential noise impacts:</p> <ul style="list-style-type: none"> • The permitted operating hours of the site are strictly adhered to and effectively communicated to all site staff and subcontractors • Machinery is regularly well maintained and where appropriate fitted with exhaust silencers • New site based vehicles will be equipped with white sound reversing alarms and strobe lights 	Very Low

Table ERA 2 Assessment of nuisance and amenity risks associated with the permanent deposit of hazardous waste at the western extension to the ENRMF Landfill Site

What do you do that can harm and what could be harmed			Assessing the risk			Managing the risk	
Hazard	Receptor (see Figures ERA 1 & ERA2)	Pathway	Probability of exposure	Consequence	What is the overall risk	Risk management	What is the residual risk
What has the potential to cause harm	What is at risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk? The balance of probability and consequence	What measures will you take to reduce the risk? If it occurs – who is responsible for what?	What is the risk that still remains?
						<ul style="list-style-type: none"> • Vehicle routes through the site are maintained to keep them free from defects such as pot-holes • Unnecessary horn usage and revving of engines is avoided • Equipment is switched off or throttled-down when not required • Drop heights of materials are minimised where possible • Where reasonably practicable, noisy equipment is located as far from sensitive premises as possible • Plant and vehicles are started up sequentially rather than all together. 	
Particulates from access routes, waste delivery and waste deposition	Local human population / properties / farmland arable / public highway / water bodies	Air	Low	Deposition of particulate matter	Low	<p>The closest residential receptors to the western extension area are over 500m from the site.</p> <p>A dust management and monitoring plan is currently in use at the site and will be extended to include the western extension area.</p> <p>The following dust control measures will continue to be implemented at the site to minimise any potential dust impacts:</p> <ul style="list-style-type: none"> • Mobile plant will be regularly serviced. 	Low

Table ERA 2 Assessment of nuisance and amenity risks associated with the permanent deposit of hazardous waste at the western extension to the ENRMF Landfill Site

What do you do that can harm and what could be harmed			Assessing the risk			Managing the risk	
Hazard	Receptor (see Figures ERA 1 & ERA2)	Pathway	Probability of exposure	Consequence	What is the overall risk	Risk management	What is the residual risk
What has the potential to cause harm	What is at risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk? The balance of probability and consequence	What measures will you take to reduce the risk? If it occurs – who is responsible for what?	What is the risk that still remains?
						<ul style="list-style-type: none"> The site haul road is hard-surfaced to the wheelwash area on the southern boundary of and close to the south eastern corner of the site to reduce the mud and debris which may be carried by vehicles onto the local road network. As the site has a long hard surfaced on site access road this gives the opportunity for debris to be removed naturally by the motion of the vehicle on the site road hence reducing debris which may be deposited near the site entrance. Other site haul roads are formed of compacted hardcore or similar material. The movement of mobile plant and site traffic is restricted to defined haul routes. Haul roads will be sprayed as necessary. The hard-surfaced areas of the haul routes will be checked daily and cleaned as necessary. The running surface of unsurfaced roads will be maintained to prevent the formation of ruts and potholes. All vehicles leaving the site following delivery of waste are inspected visually by site operatives before leaving the site and are obliged to use the wheel wash. 	

Table ERA 2 Assessment of nuisance and amenity risks associated with the permanent deposit of hazardous waste at the western extension to the ENRMF Landfill Site

What do you do that can harm and what could be harmed			Assessing the risk			Managing the risk	
Hazard	Receptor (see Figures ERA 1 & ERA2)	Pathway	Probability of exposure	Consequence	What is the overall risk	Risk management	What is the residual risk
What has the potential to cause harm	What is at risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk? The balance of probability and consequence	What measures will you take to reduce the risk? If it occurs – who is responsible for what?	What is the risk that still remains?
						<ul style="list-style-type: none"> The hard surfaced site road and Stamford Road are swept regularly to clear mud or debris. Vehicle exhausts will point above the horizontal. Vehicle speed limits of 15mph are enforced to minimise the potential for dust generation during vehicle movements. Careful loading to minimise spillage and drop heights 	
Litter [Screened out in Table ERA 1]	Local human population and animal habitats	Air transport and deposition	Very low	Nuisance, loss of amenity and harm to animal health	Very low	There are no changes to the wastes received as a result of the variation application. Consistent with the waste types received currently at the site the waste types to be accepted in the western extension area will not generate significant quantities of litter. Waste types such as paper, plastic and cardboard are not and will not be accepted.	Negligible
Birds, vermin and insects. [Screened out in Table ERA 1]	Local human population	Air transport and over land	Low	Harm to human health. Nuisance, loss of amenity.	Low	The areas of the site which previously accepted wastes that would potentially be attractive to gulls and corvids as well as other vermin have been capped. The landfill does not and will not accept wastes that are attractive to gulls and corvids as a result of the variation.	Very low

Table ERA 2 Assessment of nuisance and amenity risks associated with the permanent deposit of hazardous waste at the western extension to the ENRMF Landfill Site

What do you do that can harm and what could be harmed			Assessing the risk			Managing the risk	
Hazard	Receptor (see Figures ERA 1 & ERA2)	Pathway	Probability of exposure	Consequence	What is the overall risk	Risk management	What is the residual risk
What has the potential to cause harm	What is at risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk? The balance of probability and consequence	What measures will you take to reduce the risk? If it occurs – who is responsible for what?	What is the risk that still remains?
Mud and debris deposited on the public highway	Public highway	Vehicle movements	Low	Mud on the public highway	Low	Access to the western extension area will be via the existing access to the site from Stamford Road. The wheel cleaning facilities will continue to be used for all HGVs visiting the site before leaving the site onto the public highway. The access road from the wheel wash to the highway is hard surfaced which minimises the potential for mud and debris to be tracked onto the road network. Drainage to be installed across the site access will minimise the potential for silt laden runoff to run onto the highway. The access road will be cleaned regularly by a road sweeper and maintained in good condition and the surface of Stamford Road will continue to be cleaned regularly using a road sweeper. Based on the wheel cleaning facilities and the proposed cleaning and maintenance regime the risk of nuisance associated with mud and debris on the local road network is low.	Low
Waste deposited on site	Local human population gaining unauthorised access to the site	Direct physical contact	Low	Bodily injury	Low	The existing site has either a 1.8m high fence or a thorny hedge around the entire site boundary. Site fencing or alternative barriers will be extended around the operational areas of the western extension area.	Very low

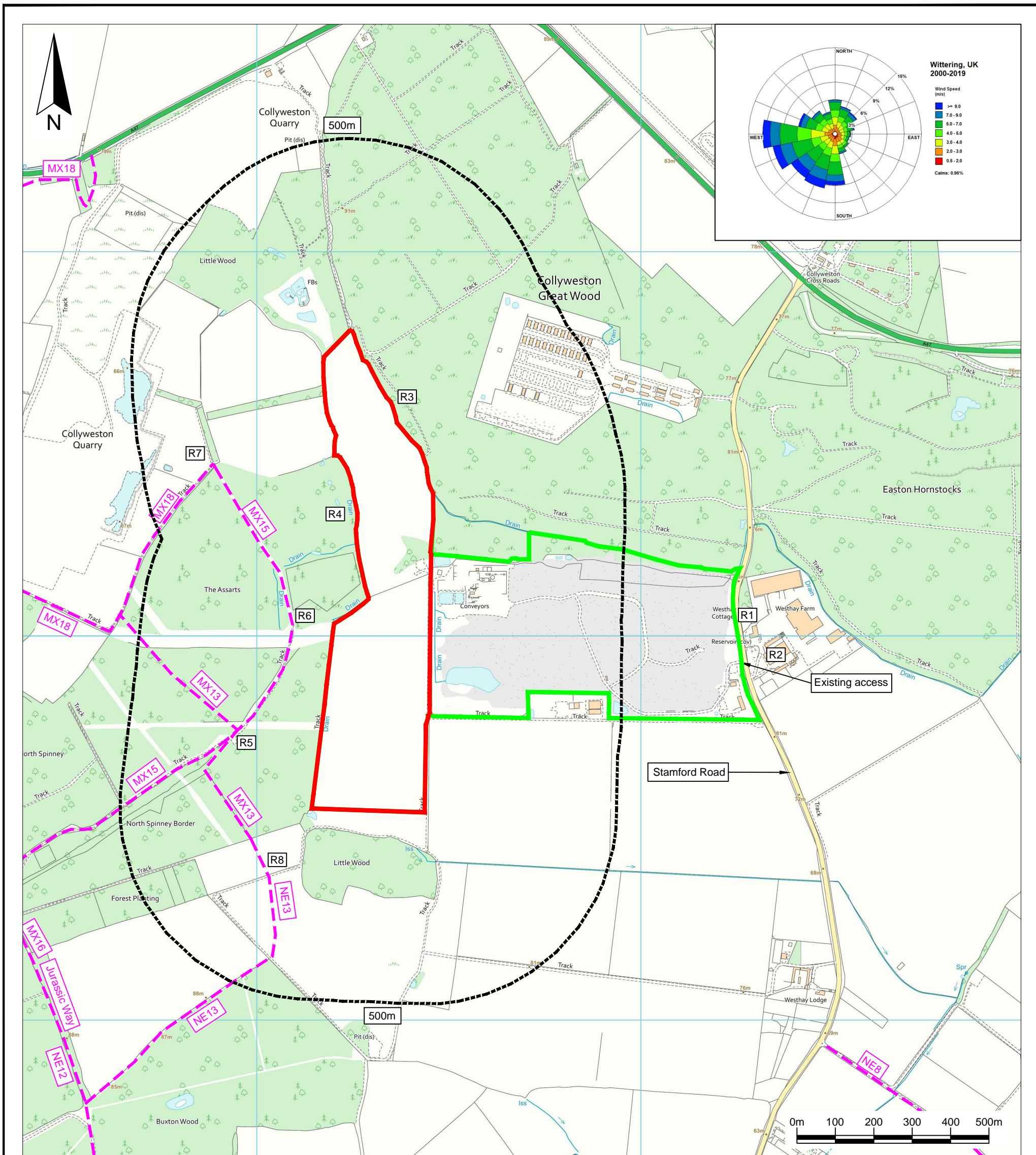
Table ERA 2 Assessment of nuisance and amenity risks associated with the permanent deposit of hazardous waste at the western extension to the ENRMF Landfill Site

What do you do that can harm and what could be harmed			Assessing the risk			Managing the risk	
Hazard	Receptor (see Figures ERA 1 & ERA2)	Pathway	Probability of exposure	Consequence	What is the overall risk	Risk management	What is the residual risk
What has the potential to cause harm	What is at risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk? The balance of probability and consequence	What measures will you take to reduce the risk? If it occurs – who is responsible for what?	What is the risk that still remains?
Flooding	Water resources	Run off or infiltration to ground	Low	Accumulation of debris and or contamination of roads, buildings, gardens or natural habitats downstream	Low	The site is located in Flood Zone 1 which is defined as land having less than a 1 in 1,000 annual probability of river or sea flooding. As the site is not located in an area which is identified as sensitive to flooding it is considered that based on the implementation of an effective surface water management plan the proposed development can be undertaken without increasing the risk of flooding at or in the vicinity of the site.	Low
Accidental release of fuel	Water resources	Infiltration to ground	Medium	Contamination of water resources	Medium	All tanks used to store oil or diesel are double skinned or banded and subject to a planned preventative maintenance programme. All associated pipework and valves are contained in the outer skin or bund. The volume of liquid in storage tanks is inspected regularly and recorded with the remaining capacity calculated and identified to relevant personnel to prevent overfilling. Procedures are implemented at the site for storage of fuel and liquids at the site and procedures are implemented for the refuelling of vehicles. Spillage kits are available and site personnel are trained in their use.	Low
Fire	Atmospheric emissions	Air	Low	Nuisance from smoke and odour Contamination of water resources	Low	The waste acceptance criteria for the hazardous waste landfill exclude material with an organic carbon content above 6% and	Low

Table ERA 2 Assessment of nuisance and amenity risks associated with the permanent deposit of hazardous waste at the western extension to the ENRMF Landfill Site

What do you do that can harm and what could be harmed			Assessing the risk			Managing the risk	
Hazard	Receptor (see Figures ERA 1 & ERA2)	Pathway	Probability of exposure	Consequence	What is the overall risk	Risk management	What is the residual risk
What has the potential to cause harm	What is at risk? What do I wish to protect?	How can the hazard get to the receptor?	How likely is this contact?	What is the harm that can be caused?	What is the risk? The balance of probability and consequence	What measures will you take to reduce the risk? If it occurs – who is responsible for what?	What is the risk that still remains?
	Water resources	Run off or infiltration to ground		Contamination of the water resources	Low	flammable wastes are prohibited from all landfill sites.	Low
Waste operations may cause harm to and deterioration of nature conservation sites.	Protected sites - European sites and SSSIs Wildlife sites of regional or local importance and protected habitat	Air or run off	Medium	Harm to protected site through toxic contamination, nutrient enrichment, smothering, disturbance, predation, noise.	Low	In support of the DCO application, extensive surveys have been carried out to establish the nature of the ecological environment at and around the site including in particular the proposed western extension area. An assessment of the potential ecological impacts which may be associated with the proposed development and which need to be taken into account in the design of the site operations has been undertaken. The assessment outlines the potential impacts and summarises the proposed avoidance, reduction and restoration measures to help mitigate these potential effects. Implementation of these measures together with the measures described in the other relevant sections of this ERA will be protective also of the nature conservation sites.	Low
Waste operations may cause harm to and deterioration of heritage conservation sites.	Designated heritage sites – Scheduled Monuments and Listed Buildings	Direct physical contact	Very low	Movement of vehicles and the deposition of particulate matter	Very low	There are no heritage conservation sites within 500m of the western extension area. It is considered that due to the distance between the site and local heritage conservation sites there is a negligible risk of the site operations having a negative impact on heritage conservation sites.	Negligible

FIGURES



Key / Notes

- Boundary of Environmental Permit EPR/TP3430GW/V006
- Proposed western extension to the ENRMF landfill site Environmental Permit
- Approximately 500m distance from the boundary of the western extension
- Public rights of way
- Potential receptor considered in the assessment

Reference	Name or description	Type of receptor
R1	Properties at Westhay Cottages	Domestic dwellings
R2	Westhay Farm	Domestic dwellings
R3	Collyweston Great Wood and Easton Hornstocks NNR and SSSI	Sensitive habitat
R4	Fineshade Woods Local Wildlife Site	Sensitive habitat
R5	Footpath MX13	Leisure
R6	Footpath MX15	Leisure
R7	Footpath MX18	Leisure
R8	Footpath NE13	Leisure

Note:
Public rights of way taken from the Northamptonshire County Council Interactive Mapping <http://maps.northamptonshire.gov.uk>

Rev	Final	SRW	AW	LH	26/03/21
Rev	Status	Drn	App	Chk	Date

Site
EAST NORTHANTS RESOURCE MANAGEMENT FACILITY

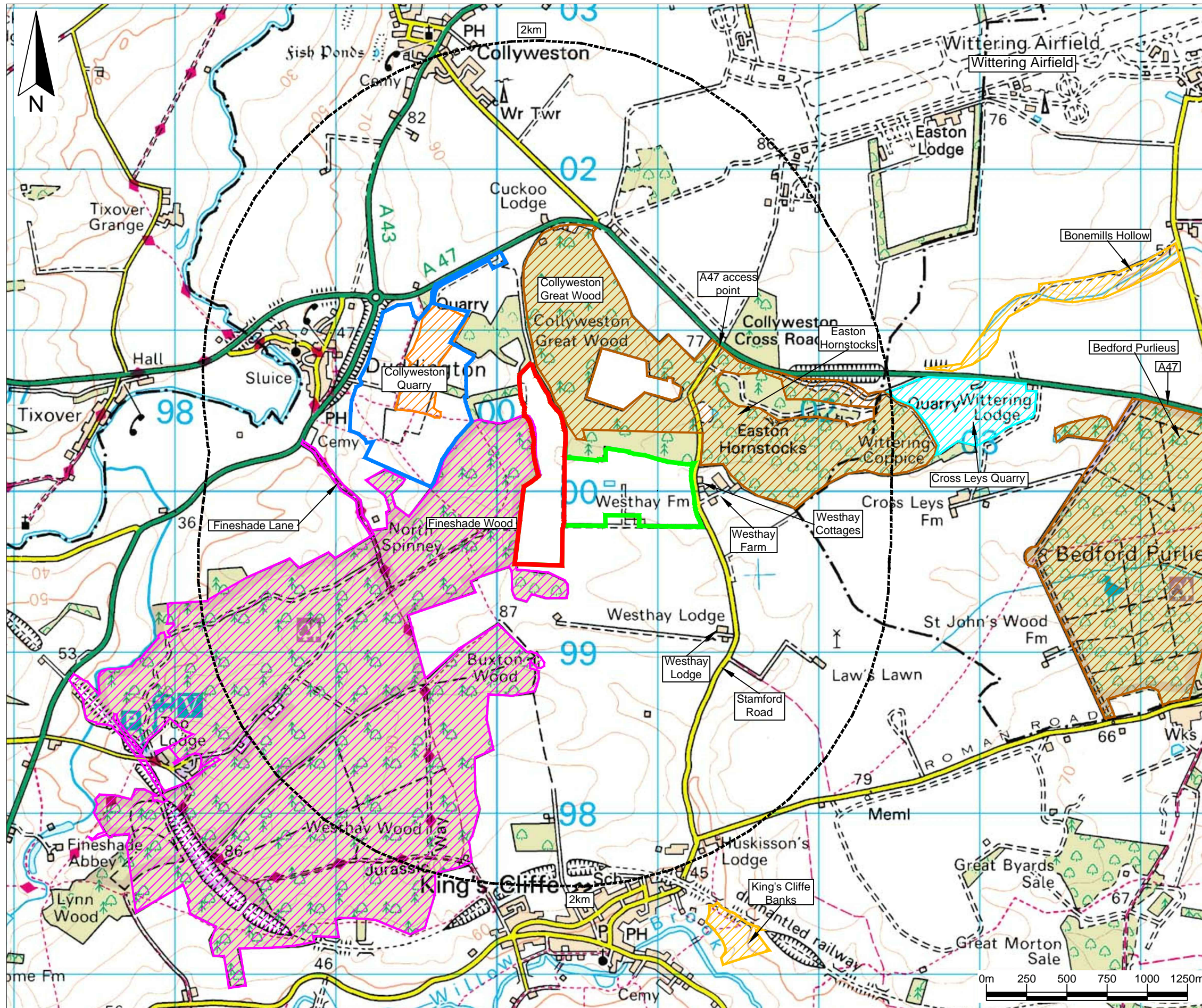
Client

Title
Environmental site setting

Figure ERA 1 Scale 1:10,000@A3

Drawing Ref
AU/KCW/12-20/22151

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Key / Notes

- Boundary of Environmental Permit
EPR/TP3430GW/V006
- Proposed western extension to the
ENRMF landfill site Environmental
Permit
- Approximate 2km distance from the
boundary of the western extension
- Approximate boundary of
Collyweston Quarry
- Approximate location of a Site of
Special Scientific Interest (SSSI)
- Approximate location of a Site of
Special Scientific Interest (SSSI)
and a National Nature Reserve
(NNR)
- Approximate location of a Local
Wildlife Site
- Approximate location of a Regionally
Important Geological Site
- Approximate location of a Local
Geological site

	Final	KR	AW	LH	26/3/21
Rev	Status	Drn	App	Chk	Date

Site EAST NORTHANTS RESOURCE MANAGEMENT FACILITY	Client
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Title Designated sites in the vicinity of the western extension area	Scale 1:25,000@A3
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Drawing Ref
AU/KCW/02-21/22249

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APPENDIX G
ENVIRONMENTAL SETTING AND INSTALLATION DESIGN (ESID) REPORT

APPENDIX H
STABILITY RISK ASSESSMENT (SRA) REPORT

APPENDIX I

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DATED 26 OCTOBER 2016 AND 1 NOVEMBER 2016**