



May 2017

WREXHAM PRODUCTION FACILITY

(EPR/AB3094FQ) EP Variation Application

Submitted to:

Cott Beverages
Wrexham (Calypso) Production Facility
Unit D-F Spectrum Business Park
Wrexham
Wales
LL13 9QA

REPORT



Report Number 1669856.500/A.0

Distribution:

Cott Beverages - 1 copy (pdf)
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Report Signature Page

GOLDER ASSOCIATES (UK) LTD

A handwritten signature in blue ink, appearing to read 'R Hodkinson'.

Rebecca Hodkinson
Project Manager

Date: 31 May 2017

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WREXHAM PRODUCTION FACILITY
ENVIRONMENTAL PERMIT VARIATION APPLICATION

TABLE OF CONTENTS

| | | |
|-------------------|-----|------------------------------------|
| Application Forms | | Parts A, C2, C3 and F1 |
| Section A | 501 | Non-Technical Summary |
| | 502 | Supporting Statement |
| Appendix 1 | | Drawing 1 - Site Location Plan |
| | | Drawing 2 - Site Layout Plan |
| | | Drawing WRX-GA-001 – Drainage Plan |
| Appendix 2 | | OPRA |
| Appendix 3 | | H1 Assessment |



APPLICATION FORMS

Parts A, C2, C3 and F1

Application for an environmental permit:

Part A – About you

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Fill in this part A if you are applying for a new permit, applying to change or surrender an existing permit, or want to transfer an existing permit to yourself.</p> <p>Please check that this is the latest version of the form available from our website.</p> <p>Please read through this form and the guidance notes that come with it. All relevant guidance documents can be found on our website.</p> <p>Where you see the term 'document reference' on the form,</p> | <p>give the document references and send the documents with the application form when you've completed it.</p> <p>Contents</p> <p>1 About you</p> <p>2 Applications from individuals</p> <p>3 Applications from organisations of individuals</p> <p>4 Applications from public bodies</p> <p>5 Applications from a registered company or other corporate body</p> <p>6 Your address</p> <p>7 Contact details</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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 | <input type="checkbox"/> | <i>Go to section 2</i> |
| An organisation of individuals (for example, a partnership) | <input type="checkbox"/> | <i>Go to section 3</i> |
| A public body (such as a local council) | <input type="checkbox"/> | <i>Go to section 4</i> |
| A registered company or other corporate body | <input checked="" type="checkbox"/> | <i>Go to section 5</i> |

2 Applications from individuals

2a Please give us the following details

| | | |
|------------|----------------------|------------------------|
| Title | <input type="text"/> | |
| First name | <input type="text"/> | |
| Last name | <input type="text"/> | <i>Go to section 6</i> |

3 Applications from organisations of individuals

3a Organisation details

| | |
|----------------------------|----------------------|
| Organisation name | <input type="text"/> |
| Type of organisation | <input type="text"/> |
| If 'Other', please specify | <input type="text"/> |

3b Main representative's details

| | |
|------------|----------------------|
| Title | <input type="text"/> |
| First name | <input type="text"/> |
| Last name | <input type="text"/> |

3c Second representative's details:

| | |
|------------|----------------------|
| Title | <input type="text"/> |
| First name | <input type="text"/> |
| Last name | <input type="text"/> |

3d Other representative's details

If relevant, please provide details of all other representatives on a separate sheet and tick here to show that you have done so. ☐ *Go to section 6*

4 Applications from public bodies

4a Public body details

| | |
|----------------------------|----------------------|
| Public body name | <input type="text"/> |
| Type of public body | <input type="text"/> |
| If 'Other', please specify | <input type="text"/> |

4b Executive officer's details

The executive is an officer of the public body authorised to sign on your behalf.

| | |
|------------|----------------------|
| Title | <input type="text"/> |
| First name | <input type="text"/> |
| Last name | <input type="text"/> |
| Position | <input type="text"/> |

Go to section 6

5 Applications from a registered company or other corporate body

5a Company details

| | |
|-----------------------------|-----------------------------------------------------|
| Company name | <input type="text" value="Cott Beverages Limited"/> |
| Company registration number | <input type="text" value="02836071"/> |
| Date of registration | <input type="text" value="14/07/1993"/> |

If you are applying as a corporate organisation that is now a limited company, please provide evidence of your status and tell us the reference number you have given this document with this evidence.

| | | |
|--------------------|----------------------|------------------------|
| Document reference | <input type="text"/> | <i>Go to section 6</i> |
|--------------------|----------------------|------------------------|

6 Your address

6a Your main (registered office) address

For companies this *must* be the address on record at Companies House.

| | |
|---------|-------------------------------------------|
| Address | <input type="text" value="Citrus Grove"/> |
| | <input type="text" value="Side Ley"/> |

| | |
|--------------------|--------------------------------------------------------------|
| | Kegworth |
| | Derby |
| Postcode | DE74 2FJ |
| Telephone - mobile | 07714 156186 |
| Telephone - office | 01978 668400 |
| Email address | rdavies3@cott.co.uk |

If you are applying as an organisation of individuals, every partner needs to give us their details, including their title. If necessary, continue on a separate sheet and tell us the reference you have given the sheet.

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

6b UK business address *only if different from above*

| | |
|--------------------|------------------------|
| Address | Cott Beverages |
| | Spectrum Business Park |
| | Wrexham |
| | |
| Postcode | LL13 9QA |
| Telephone - mobile | 0774 156186 |
| Telephone - office | 01978 668400 |
| Email address | Rdavies3@cott.co.uk |

Go to section 7

7 Contact details

7a Who can we talk to about your application?

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

| | |
|------------|--------------------------------------------------|
| Title | Miss |
| First name | Rebecca |
| Last name | Hodkinson |
| Address | Golder Associates (UK) Limited |
| | Attenborough House, Browns Lane Business Park |
| | Stanton on the Wolds |

| | |
|--------------------|-----------------------|
| | Keyworth |
| Postcode | NG12 5BL |
| Telephone - mobile | 07971 492979 |
| Telephone - office | 0115 937 1111 |
| Email address | Rhodkinson@golder.com |

7b Who can we talk to about your operation?

| | |
|---------------------------------------|--------------------------|
| Same as the application contact in 7a | <input type="checkbox"/> |
| Title | Mr |
| First name | Richard |
| Last name | Davies |
| Address | Cott Beverages |
| | Spectrum Business Park |
| | Wrexham |
| | |
| Postcode | LL13 9QA |
| Telephone - mobile | 07714 156186 |
| Telephone - office | 01978 668400 |
| Email address | Rdavies3@cott.co.uk |

7c Who can we talk to about your billing or invoice?

| | |
|---------------------------------------|-------------------------------------|
| Same as the application contact in 7a | <input type="checkbox"/> |
| Same as the operation contact in 7b | <input checked="" type="checkbox"/> |
| Title | |
| First name | |
| Last name | |
| Address | |
| | |

Postcode

Telephone - mobile

Telephone - office

Email address

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

Application for an environmental permit:

Part C2 – General: Varying a bespoke permit

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Fill in this part of the form, together with part A, the relevant parts of C3 to C7 and part F1 or F2.</p> <p>Please check that this is the latest version of the form available from our website.</p> <p>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.</p> <p>If you want to make an administrative change, you should complete form C0.5.</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>You do not need to resend any information from your original permit application.</p> <p>Please read through this form and the guidance notes that came with it. All relevant guidance documents can be found on our website.</p> <p>Contents</p> <ul 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 Appendix 1 – Low impact installation checklist |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

1 About the permit

1a Discussions before your application

If you have had discussions with us before your application, give us the case reference number or details on a separate sheet.

| | |
|----------------------------|--------------------------------------|
| Case or document reference | Email - Julia Frost 15 November 2016 |
|----------------------------|--------------------------------------|

1b Permit number

| | |
|--------------------------------------------|--------------|
| Permit number this application relates to? | EPR/AB3094FQ |
|--------------------------------------------|--------------|

1c Site details

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

| | |
|-----------|---------------------|
| Site name | Wrexham Soft Drinks |
|-----------|---------------------|

| | |
|---------|----------|
| Address | Unit D-F |
|---------|----------|

| |
|------------------------|
| Spectrum Business Park |
|------------------------|

| |
|---------|
| Wrexham |
|---------|

| |
|-------|
| Wales |
|-------|

| | |
|----------|----------|
| Postcode | LL13 9QA |
|----------|----------|

2 About your proposed changes

2a Type of variation

What type of variation are you applying for? (Please tick)

Standalone water discharge activity or point source groundwater activity ☐

- Minor technical ☐
- Normal variation ☒
- Substantial ☐

2b Provide a non-technical summary of your application

Please give us brief details of all the proposed changes to current activities, and any new activities you want to add to your permit.

You can use the box below, in Table 1 below. Or, you can use a separate sheet and send it to us with your application form. Tell us below the reference you have given this document.

Document reference

Non-Technical Summary (Document Ref.
1669856.501)

Table 1 – Details of the proposed changes

Whilst retaining the same overall operations as under the current EP, Cott wishes to install a Cleaning-In-Process (CIP) system for the Freezepops production line. This will be semi-automated with complete replacement of pipework and valves from the holding tanks through to the fillers. The main change as a result of this addition will be an increase in the use of caustic (increasing from 1,300 kg/year to 2,600 kg/year). A single new production line will also be installed on the Site. This production line accords with existing lines and fits within the existing building but the associated process equipment will be housed in new buildings attached to the current process building. There will be no change in Site EP boundary or emission points. Cott also wishes to upgrade the boilers on Site and is undertaking the replacement of two existing 1.2 MW (thermal input) boilers with one 1.2 MW boiler and one 5 MW boiler.

2c Consolidating existing permits into the modern style

Consolidating your permit can mean:

- combining the original permit and all subsequent changes into a single document (modern permit), or
- combining two or more environmental permits for the same operator and site into a single permit.

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 (consolidated) permit?

No ☐ *Go to section 2d*

Yes ☒ *Please note: An additional charge may apply for modernising your permit(s).*

2c2 Identify all the permits you want to consolidate by listing the permit numbers/ versions in Table 2 below.

Table 2 – Permit numbers

The current permit EPR/AB3094FQ was issued in 2016 and is therefore already in the modern template; it is requested that this variation is incorporated into a fully updated permit, rather than covered in a separate variation notice.

2d Low impact installations (installations only)

Are any of the regulated facilities low impact installations?

No ☒ *Go to section 2e*

Yes ☐

Please give us a description of your proposed activity telling us how you meet the conditions for a low impact installation and send it to us with your application form.

Document reference

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

☐

2e Treating batteries

Are you planning to treat batteries? (See the guidance notes on part C2.)

No ☒

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

Document reference

3 Your ability as an operator

If you are only applying to change or add a water discharge activity, you only have to fill in question 3d.

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 two or more permits or have an updated permit you must fill in question 3d.

3a Relevant offences - installations and waste operations only (See guidance notes on part C2)

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

No ☐ Go to section 3b

Yes ☐ Please give details below

Title

First name

Last name

Date of birth (DD/MM/YYYY)

Position held at the time of the offence

Name of the court where the case was dealt with

Date of conviction (DD/MM/YYYY)

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

3b Technical ability - relevant waste operations only (see the guidance notes on part C2)

3b1 Which approved scheme are you using to show you have the suitable technical skills and knowledge to manage your facility?

CIWM / WAMITAB ☐

ESA / EU ☐

3b2 Do you already hold the relevant, formal qualifications to manage your facility?

Yes ☐ Tick to confirm you've included all original *and* continuing competence evidence. ☐

No ☐ Tick to confirm you've included evidence you've registered with a Scheme. ☐

3c Finances (installations, waste operations and mining waste operations only)

Do you or any relevant person have current or past bankruptcy or insolvency proceedings against you?

No ☐ *Go to section 3d.*

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

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

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)?

Bonds ☐

Escrow account ☐

Trust fund ☐

Lump sum ☐

Other ☐

Provide a plan of your estimated expenditure on each phase of the landfill or mining waste facility.

Document reference

3d Management systems (all)

You can find guidance on management systems in both 'How to Comply' and 'Horizontal Guidance Note 6 – Environmental Management Systems'. We have also developed environmental management toolkits for some business sectors which you can use to produce your own management system. You can get these by calling 0300 065 3000 or by downloading them from our guidance webpages.

3d1 Does your management system meet the conditions set out in our guidance?

Yes ☐

No ☐

3d2 What management system will you provide for your regulated facility?

EC Eco-Management and Audit Scheme (EMAS) ☐

| | |
|-----------------------|-------------------------------------|
| ISO 14001 | <input checked="" type="checkbox"/> |
| BS 8555 (Phases 1–5) | <input type="checkbox"/> |
| Green Dragon | <input type="checkbox"/> |
| Own management system | <input type="checkbox"/> |

3d3 Make sure you include a summary of your management system which sets out any changes or additional measures you will put in place to address risks from the proposed changes. ☐
 Tick the box to confirm you've done this and tell us the reference below.

Document reference

Water discharge activities: Go to section 5.

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

Welsh Water

4b A harbour managed by a harbour authority

No ☒

Yes ☐ Please name the harbour authority

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

No ☒

Yes ☐ Please name the fisheries committee

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

No ☒

Yes ☐

5 Supporting information

5a Provide a plan or plans for the site (see guidance notes on part C2 for what needs to be marked on the plan)

Document reference

See Drawings 1, 2 and 3 in Appendix 1

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 reference

5c 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

6 Environmental risk assessment - if you need one (see the guidance notes on part C2)

Provide an assessment of the risks each of your proposed activities cause to the environment. The risk assessment must use H1 or an equal method.

Document reference

See Appendix 3 – H1 Assessment

Appendix 1 – Low impact installation checklist (see guidance notes on part C2)

| Intallation 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 | m3/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"/> | Yes <input type="checkbox"/> |
| | | No | <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"/> | Yes <input type="checkbox"/> |
| | | No | <input type="checkbox"/> | No <input type="checkbox"/> |
| | Provide references to show how your application meets G. | | | |
| | Reference | | | |
| H - Noise | Provide references to show how your application meets H. | | | Yes <input type="checkbox"/> |
| | Reference | | | No <input type="checkbox"/> |
| I - Emissions of polluting substances | Provide references to show how your application meets I. | | | Yes <input type="checkbox"/> |
| | Reference | | | No <input type="checkbox"/> |
| J – Odours | Provide references to show how your application meets J. | | | Yes <input type="checkbox"/> |
| | Reference | | | 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"/> | |

Application for an environmental permit:

Part C3 – Variation to a bespoke installation permit

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Fill in this part of the form, together with parts A, C2 and F1, If you are varying a bespoke permit for an installation.</p> <p>Please check that this is the latest version of the form available from our website.</p> <p>Please read through this form and the guidance notes that came with it. All relevant guidance documents can be found on our website.</p> <p>Contents</p> <p>1 What activities are you applying to vary?</p> <p>2 Emissions to air, water and land</p> | <p>3 Operating techniques</p> <p>4 Monitoring</p> <p>5 Environmental impact assessment</p> <p>6 Resource efficiency and climate change</p> <p>Appendix 1 – Specific questions for the combustion sector</p> <p>Appendix 2 – Specific questions for the chemical sector</p> <p>Appendix 3 – Specific questions for the intensive farming sector</p> <p>Appendix 4 – Specific questions for the clinical waste sector</p> <p>Appendix 5 – Specific questions for the hazardous and non-hazardous waste recovery and disposal sector</p> <p>Appendix 6 – Specific questions for the waste incineration sector</p> <p>Appendix 7 – Specific questions for the landfill sector</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

1 About your activities

1a Tell us about the activities you want to do.

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.

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

Document reference

See Section 2.3 of Supporting Statement

Notes to help you complete Table 1a:

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

5 Fill this in as a separate line for each directly associated activity and give an accurate description of any other activities associated with your schedule 1 activities.

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

Table 1a – Types of activities

Important: Put your main activity first, when listing all of the activities you want to do. Note; some questions only apply to activities involving the acceptance of waste.

| Schedule 1 listed activities | | | | For installations that take waste only | | |
|----------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------|-----------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Installation name | Schedule 1 references (See note 1) | Description of the Activity (See note 2) | Activity capacity (See note 3) | Annex I and Annex 2 (disposal and recovery) codes (See note 4) | Hazardous waste treatment capacity (if this applies) (See note 3) | Non-hazardous waste treatment capacity (if this applies) (See note 3) |
| Cott Beverages Wrexham | Section 6.8 Part (A)(d)(ii) | Treating and processing | 685.00 | | | |
| | | Vegetable raw materials | | | | |
| | | Of > 300 tonnes per day | | | | |
| | | | | | | |
| Directly associated activities (See note 5) | | | | | | |
| Name of DAA | | Description of the DAA (please identify the schedule 1 activity it serves) | | | | |
| See Section 2.3.1 | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| For installations that take waste | | Total storage capacity of non-hazardous waste (See note 6) | | | | |
| | | Total storage capacity of hazardous waste (See note 6) | | | | |
| | | Annual throughput (tonnes each year) | | | | |

1b Do you intend to accept waste as part of your activities?

No ☒ Go to section 2

Yes ☐ Tell us about the waste types you want to accept. See notes below.

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

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

If you want to accept any waste with a code ending in 99, you must provide more information and a full description in the document. You can use Table 1b as a template.

Document references

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

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

| Waste code | Description of waste |
|------------|----------------------------------------------------|
| Example | Example |
| 02 01 08* | Agrochemical waste containing dangerous substances |
| 06 01 02* | Hydrochloric acid |

2 Emissions to air, water and land

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

Fill in one table for each installation. You can use Table 2 as a template. Please provide the reference for each document.

Document references

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

Table 2 – Emissions (releases)

| | | | | |
|-----------------------------------------------------------------------------------------|--------|------------------------|---------------|------|
| Installation name | | Cott Beverages Wrexham | | |
| Point source emissions to air | | | | |
| Emission point reference and location | Source | Parameter | Quantity Unit | Unit |
| See supporting statement Section 2.3.2 | | | | |
| | | | | |
| | | | | |
| Point source emissions to water (other than sewers) | | | | |
| Emission point reference and location | Source | Parameter | Quantity Unit | Unit |
| See supporting statement Section 2.3.2 | | | | |
| | | | | |
| | | | | |
| | | | | |
| Point source emissions to sewers, effluent treatment plants or other transfers off site | | | | |

| Emission point reference and location | Source | Parameter | Quantity Unit | Unit |
|------------------------------------------------|--------|-----------|---------------|------|
| No change as a result of variation application | | | | |
| | | | | |
| | | | | |
| | | | | |
| Point source emissions to land | | | | |
| Emission point reference and location | Source | Parameter | Quantity Unit | Unit |
| No change as a result of variation application | | | | |
| | | | | |
| | | | | |

3 Operating techniques

3a Technical standards

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

You must justify your decisions in a separate document if:

- there is no technical standard;
- the technical guidance provides a choice of standards; or
- you plan to use another standard.

This justification could include a reference to the Environmental Risk Assessment provided in section 6 of part C2 (General Bespoke Permit) of the application form. The documents in Table 3a should summarise the main measures you use to control the main issues identified in the H1 assessment or technical guidance.

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

Fill in one table for each installation. You can use Table 3a as a template. Please provide the reference for each document.

Document references

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

| Table 3a – Technical standards | | |
|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Installation name | | |
| Schedule 1 activity or directly associated activity description | Relevant technical guidance note or best available techniques as described in BAT conclusions under IED*. You will need to refer to 'How to comply' for all permits. | Document reference (if appropriate) |
| | 'How to comply' | |
| Section 6.8 Part A(1)(d)(ii) | EPR 6.10 for the Food and Drink Sector | |
| Treating and processing | EA's How to Comply with your Permit Guidance | |
| Vegetable raw materials | H1 - Air emissions risk assessment for you Environmental Permit | |
| >300 tonnes per day | | |

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

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

Document references

N/A

3b General requirements

Fill in a separate Table 3b for each installation. You can use Table 3b as a template. Please provide the reference for each document.

Document references

See Supporting Statement 2.3.3

| Table 3b – General requirements | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Installation name | Cott Beverages Wrexham |
| If the TGN or H1 assessment shows that emissions of substances not controlled by emission limits are an important issue, send us your plan for managing them | Document reference or references See Appendix 3 – H1 Assessment |
| If the TGN or H1 assessment shows that odours are an important issue, send us your odour management plan | Document reference or references No change as a result of variation |
| If the TGN or H1 assessment shows that noise or vibration are important issues, send us your noise or vibration management plan (or both) | Document reference or references No change as a result of variation |
| If our fire prevention guidance or H1 assessment shows that fire risk is an important issues, send us your fire management plan | Document reference or references No change as a result of variation |

3c Types and amounts of raw materials

Fill in Table 3c for all schedule 1 activities. Fill in a separate table for each installation. You can use Table 3c as a template. Please provide the reference for each document.

Document references

See Supporting Statement 2.3.3

| Table 3c – Types and amounts of raw materials | | | | |
|-----------------------------------------------|------------------------------------------------------|-----------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------|
| Installation name | Cott Beverages Wrexham | | | |
| Capacity (See note 1 below) | 685.00 | | | |
| Schedule 1 activity | Description of raw material and composition material | Maximum amount (tonnes) (See note 2 below) | Annual throughput (tonnes per year) | Description of how the raw material is used including any main hazards (include safety information sheets) |
| See Section 2.3.3 of Supporting Statement | | | | |
| | | | | |
| | | | | |
| | | | | |

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 your 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 provide the reference for each document.

Document reference

3d Information for specific sectors

For some 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 3d – Questions for specific sectors | |
|---------------------------------------------------------|---------------------------------|
| Sector | Appendix |
| Combustion | See the questions in appendix 1 |
| Chemicals | See the questions in appendix 2 |
| Intensive farming | See the questions in appendix 3 |
| Clinical waste | See the questions in appendix 4 |
| Hazardous and non-hazardous waste recovery and disposal | See the questions in appendix 5 |
| Incinerating waste | See the questions in appendix 6 |

4 Monitoring

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

You should also describe any environmental monitoring. Tell us:

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

Document reference

Section 2.3.4 of Supporting Statement

4b Point source emissions to air only

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

Document reference

N/A

5 Environmental impact assessment

5a Have your proposals had 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; and
- the committee report and decision on the EIA.

Document reference

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

Section 2.3.5 of Supporting Statement

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

Document reference

Section 2.3.5 of Supporting Statement

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

Yes ☒ Please give the date you entered (or the date you expect to enter) into the agreement.

01/04/2013

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

Document reference

No change due to variation

6d Tell us about, and justify your reasons for, the raw and other materials, other substances and water you will use

Document reference

No change due to the variation

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

No change to waste management

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 The Renewables Obligation Order 2002 (SI 2002 No. 914).

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.

| 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 | | | | |

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) |
| Fuel 1 | |
| Fuel 2 | |
| Fuel 3 | |
| Fuel 4 | |
| Note: kg/t 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 ☐ *This Annex is complete.*

Yes ☐

5 Is your plant (tick an option)

an existing plant (a plant licensed before 1 July 1987)? ☐

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

a new-new plant (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 ☐ *Go to section 9*

Yes ☐

8 Have you subsequently withdrawn your declaration?

No ☐

Yes ☐

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

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

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

Yes ☐

Tell us how you meet the monitoring requirements of Chapter III and give us the reference for this document.

Document reference

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 in Technical Guidance Notes (TGNs) EPR 4.01, EPR 4.02 and EPR 4.03, and chemical sector BREFs.

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 ☐ This Annex is complete.

Yes ☐ Fill in Table 3a – listing each of the activities controlled under the IED.

Table 3a – activities 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 intensive farming sector

1 For each type of livestock, tell us the number of animal places you are applying for

| | |
|------------------------|------------------|
| Installation reference | |
| Type of livestock | Number of places |
| | |
| | |
| | |
| | |

2 Is manure or slurry exported from the site?

No ☐

Yes ☐

3 Is manure or slurry spread on the site?

No ☐

Yes ☐

Appendix 4 – Specific questions for the clinical waste sector

If you are applying for an activity covered by the Waste Incineration Directive and wish to accept clinical waste you should fill in questions 1, 2 and 3 of this appendix.

Note: If your procedures are fully in line with the standards set out in EPR5.07 then you should tick the 'yes' box and provide the procedure reference. There is no need for you to supply a copy of the procedure.

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

No ☐ Provide justification for departure from EPR 5.07 and submit a copy of the procedures
Document reference

Yes ☐ Document reference

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

No ☐ Provide justification for departure from EPR 5.07 and submit a copy of the procedures
Document reference

Yes ☐ Document reference

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

No ☐ Provide justification for departure from EPR 5.07 and submit a copy of the procedures
Document reference

Yes ☐ Document reference

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

No ☐ Provide justification for departure from EPR 5.07 and submit a copy of the procedures
Document reference

Yes ☐ Document reference

5 Are you proposing to either

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

No ☐

Yes ☐ Provide justification : Document reference

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

Document reference

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

Document reference

Appendix 5 – Specific questions for the hazardous and non-hazardous waste recovery and disposal sector

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

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

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

Document reference

Yes ☐ Document reference

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

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

Document reference

Yes ☐ Document reference

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

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

Document reference

Yes ☐ Document reference

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

Document reference

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

Document reference

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

Document reference

Appendix 6 – 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 ☐ WID applies

1b Are you subject to IED as an incinerator or co-incinerator?

As an incinerator ☐

As a co-incinerator ☐

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

No ☐ Go to section 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 TGN S5.01 (under the subheading 'European legislation and your application for an EP Permit').

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 ☐ Go to section 8

Yes ☐ This article 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 (150mg/m³), CO (normal ELV) and TOC (normal ELV) during abnormal operation.

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

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

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

No ☐ *Go to section 9*

Yes ☐ Please give 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 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 reasons for doing this.

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 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 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 reasons for doing this.

Appendix 7 – Specific questions for the landfill sector

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

Document reference

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

Document reference

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

Document reference

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

Document reference

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

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

Document reference

Application for an environmental permit:

Part F1 – Opra, charges and declarations

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Fill in this part for all applications for installations, waste operations, mining waste operations and groundwater discharges onto land.</p> <p>Please check that this is the latest version of the form available from our website.</p> <p>For applications for water discharge and point source groundwater discharge activities you need to fill in part F2 instead.</p> <p>Please read through this form and the guidance notes that</p> | <p>came with it. All relevant guidance documents can be found on our website.</p> <p>Contents</p> <p>1 Working out charges</p> <p>2 Opra profile (electronic)</p> <p>3 Payment</p> <p>4 The Data Protection Act 1998</p> <p>5 Confidentiality and national security</p> <p>6 Application checklist</p> <p>7 Declaration</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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 looking at our current environmental permitting charging scheme. This can be found on our 'How we regulate you' webpages. Please remember that the charges are revised on 1 April each year and that there is an annual subsistence charge (for site based permis) to cover the costs we incur in the ongoing regulation of the permit.

Examples: We have included examples to help you complete the table. The Tier 2 charge example is for an application for a 'New standard rule' permit. The Tier 3 charge example is for an installation Opra based charge for a normal variation (multiplier) application.

Note: for Opra charged Tier 3 Facilities you also need to complete an Opra profile (see section 2).

| Table 1 – Working out charges | | | | |
|-------------------------------------------------------------------------------|--------------------|----------------------|------------------------------|-----------------|
| Type of application | Normal Variation | | | |
| | Summary of charges | | | |
| Tier 2 facilities (including Part A(2) and Part B) | Charge identifier | Number of facilities | Charge for each facility (£) | Charges due (£) |
| EXAMPLE: SR2010 No12 | S060A (W) | 1 | 1,630.00 | 1,630.00 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Tier 3 facilities | | | | |
| EXAMPLE: Total Opra charging score for installations | 90 | x charge multiplier | 57 | 5,130.00 |
| Total Opra charging score for installations | 38 | x charge multiplier | 57 | 2166.00 |
| Total Opra charging score for waste operations | | x charge multiplier | | |
| Total Opra charging score for mining waste facilities | | | | |
| Other charges (such as one-off assessments or fixed charge applications etc.) | | | | |
| Total charges due | | | | 2166.00 |

2 Opra profile (does not apply to standard facilities, or other tier 2 permit applications)

If you are submitting a bespoke application, you must include a completed electronic copy in Excel of the *current* Opra spreadsheet. You can find the current Opra spreadsheet in the 'Our charges' section on our 'How we regulate you' webpages.

For all variations, full and partial surrenders: you will need to submit a copy of your current Opra profile based on your existing profile, not a new profile following the variation or surrender.

For transfers: you will need to submit a revised Opra profile to include your own operator performance. Note: this will not change the set transfer fee.

Important: your Opra profile (score) must match our records. If you are unsure about your current Opra profile (score), you should talk to your regulatory officer before submitting your application.

Tick this box to confirm that you have included the electronic OPRA spreadsheet



3 Payment

3a How do you want to pay?

Tick an option below to show how you will pay.

- | | | |
|-----------------------------------------|-------------------------------------|-------------------------|
| Electronic transfer (for example, BACS) | <input checked="" type="checkbox"/> | <i>Go to section 3b</i> |
| Credit or Debit card | <input type="checkbox"/> | <i>Go to section 3c</i> |
| Cheque | <input type="checkbox"/> | <i>Go to section 3d</i> |
| Postal order | <input type="checkbox"/> | <i>Go to section 3d</i> |

3b Paying by electronic transfer

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

Company name: Natural Resources Wales

Company address: Income Dept., PO BOX 663, Cardiff, CF24 0TP

Bank: RBS

Address: National Westminster Bank Plc, 2 ½ Devonshire Square, London, EC2M 4BA

Sort code: 60-70-80

Account number: 10014438

Reference number

You can use any reference number but we prefer the number to be 'EPR' followed by the first nine letters of your organisation name followed by a four-digit number.

For example, for a company named Joe Bloggs Ltd, the reference number might be EPRJOEBLOGGS0001. (Remember you can use any four-digit number at the end.)

The reference number you will provide will appear on our bank statements so we can check your payment. We may need to contact your bank to make sure the reference number is quoted correctly.

You should also email your payment details and payment reference number to banking.team@naturalresourceswales.gov.uk / banking.team@cyfoethnaturiolcymru.gov.uk or fax it to 0300 065 3001 and enter it in the space provided below.

BACS reference

To be confirmed

Amount paid

£2,166.00

Making payments from outside the UK

These details have changed. If you are making your payment from outside the United Kingdom (which must be received in sterling), our IBAN number is GB70 NWBK6070 8010 0144 38 and our SWIFT/BIC number is NWBKGB2L.

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

3c Paying by credit or debit card

If you are paying by credit or debit card, please fill in the separate form CC1.

You can download this from our website or you can ask for one of our customer service providers to send one by post. We will destroy your card details once we have processed your payment. We can accept payments by Visa, MasterCard or Maestro UK card only.

3d Paying by cheque or postal order

You should make cheques or postal orders payable to Natural Resources Wales and they should be marked 'A/c Payee'.

We will not accept post-dated cheques (cheques with a future date written on them).

Cheque/ postal order number

Amount paid

4 The Data Protection Act 1998

We, the Natural Resources Body for Wales (hereafter "Natural Resources Wales"), will process the information you provide so that we can:

- deal with your application;
- make sure you keep to the conditions of the licence, permit or registration;
- process renewals; and
- keep the public registers up to date.

We may also process or release the information to:

- offer you documents or services relating to environmental matters;
- consult the public, public organisations and other organisations (for example, the Health and Safety Executive, local authorities, the emergency services, the Department for Environment, Food and Rural Affairs) on environmental issues;
- carry out research and development work on environmental issues;
- provide information from the public register to anyone who asks;
- prevent anyone from breaking environmental law, investigate cases where environmental law may have been broken, and take any action that is needed;
- assess whether customers are satisfied with our service, and to improve our service; and
- respond to requests for information under the Freedom of Information Act 2000 and the Environmental Information Regulations 2004 (if the Data Protection Act allows). We may pass the information on to our agents or representatives to do these things for us.

5 Confidentiality and national security

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

Confidentiality

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.

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

Please treat the information in my application as confidential

☐

Tick the box to confirm you have provided evidence to support your confidentiality claim and give us the document reference, below.

☐

Document reference

National security

You can tell the Welsh Ministers 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 Welsh Ministers and you must still include the information in your application. We will not include the information in the public register unless the Welsh Ministers decides that it should be included.

You can find guidance on national security in 'Core Environmental Permitting Guidance' published by Defra and available via the .Gov website.

You cannot apply for national security via this application.

6 Application checklist (you must fill in this section)

Tell us about the supporting evidence and information you have sent with this application.

Application fee - You must submit the correct application fee in line with our current charging scheme.

Tick the box to say you have included the correct fee.

☐

List all the documents you have included in Table 2. Please see the guidance notes for examples on how to complete the checklist.

If the relevant information for a question forms part of a larger document, please specify the relevant section(s) of the document. This will speed up the process of checking your application and making decisions.

If necessary, continue on a separate sheet and tell us the reference you have given the document below.

Document reference

| Table 2 – application checklist | | |
|---------------------------------|---------------------------|----------------------------------|
| Question reference | Document title/ reference | Document section |
| | NRW Application Form | Parts A, C2, C3 and F1 |
| | | |
| Form C2 Qu 2 | Non-Technical Summary | Ref. 1669856.501 |
| | | |
| Form C3 Qu 1 | Supporting Statement | Ref. 1669856.502 |
| Form C2 Qu 5 | Site Plans | Appendix 1 – Drawings 1, 2 and 3 |
| Form F1 Qu 2 | Existing OPRA Spreadsheet | Appendix 2 |
| Form C2 Qu 6 | H1 Risk Assessment | Appendix 3 |
| | | |
| | | |

7 Declaration

You must read this section before making the declaration and sending your form to us.

For transfer applications - Both you and the person receiving the permit must make the declaration.

Section 7d must be completed by the current holder *and* Section 7e must be completed by the proposed new holder.

A relevant person should make the declaration. You must be a relevant person or have the authority of a relevant person to sign this application on their behalf.

Relevant people means each applicant, and in the case of a company, a director, manager, company secretary or any similar officer or employee listed on current appointments in Companies House. In the case

of a Limited Liability Partnership (LLP), it includes any partner. If the permit holder is an organisation of individuals, each individual (or individual trustee) must complete the declaration.

To simplify and speed up the application process we recommend that the declaration is filled in by an officer of a company or one of the partners in a Limited Liability Partnership (LLP).

If you wish a manager, employee or consultant etc. to sign the declaration on behalf of a relevant person, we will need written confirmation from a relevant person; that is, an officer of the company, a partner in the LLP or the individual, confirming that the person has the authority to fill in the declaration.

If you are joint permit holders you should each fill in your own declaration. We have provided extra spaces for this below. Please send in a separate sheet with your application if you need more room for signatories.

Where the operator is the subject of any insolvency procedure, the declaration must be filled in by the official receiver/appointed insolvency practitioner.

7a Are you signing the form on *behalf* of a relevant person?

If you are *not* a relevant person, but want to sign the application on their behalf, you must include confirmation that you can do this.

I have included written confirmation from a relevant person to confirm I can sign on their behalf. ☐

7b Does your application include a standard facility?

If your application includes a standard facility, you also need to confirm that you are able to meet all relevant criteria of the standard rule set/sets for which you are applying.

I confirm that my standard facility will fully meet the rules that I have applied for. ☐

7c Does your application include ecological survey information?

If your application includes ecological survey information, please see the guidance notes on part F1 and tick the box below to confirm that you have no issue with us using information from any ecological survey you have supplied with your application.

I confirm I am happy for the ecological survey information I have supplied to be used as set out in the guidance. ☐

7d Declaration

If you're transferring the permit, the current holder or holders should sign this section of the declaration, and the proposed new holder or holders of the permit should sign the declaration in section 7e.

If you knowingly or recklessly make a statement which is false or misleading to help you get an environmental permit (for yourself or another person), you are committing an offence under the Environmental Permitting (England and Wales) Regulations 2016.

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.

I understand that if I knowingly or recklessly make a false or misleading statement:

- **I may be prosecuted; and**
- **if convicted, I may have to pay a fine and/or go to prison.**

By signing below, you are confirming that you understand and agree with the declaration above.

| | | |
|----------------------------|----------------------|----------------------|
| Title | <input type="text"/> | <input type="text"/> |
| First name | <input type="text"/> | |
| Last name | <input type="text"/> | |
| On behalf of (if relevant) | <input type="text"/> | |
| Today's date | <input type="text"/> | |

If you knowingly or recklessly make a statement which is false or misleading to help you get an environmental permit (for yourself or another person), you are committing an offence under the Environmental Permitting (England and Wales) Regulations 2016.

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.

I understand that if I knowingly or recklessly make a false or misleading statement:

- **I may be prosecuted; and**
- **if convicted, I may have to pay a fine and/or go to prison.**

By signing below, you are confirming that you understand and agree with the declaration above.

| | | |
|----------------------------|------------------------|--|
| Title | | |
| First name | Mark | |
| Last name | Grover | |
| On behalf of (if relevant) | Cott Beverages Limited | |
| Today's date | 31/05/2017 | |

7e Declaration for the person or persons *receiving* the permit (transfers only)

The persons 'receiving the permit' is the proposed new permit holder.

Note: If you cannot trace a person or persons holding the permit you may be able to transfer the permit without their declaration (in section 7d 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 knowingly or recklessly make a statement which is false or misleading to help you get an environmental permit (for yourself or another person), you are committing an offence under the Environmental Permitting (England and Wales) Regulations 2016.

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.

I understand that if I knowingly or recklessly make a false or misleading statement:

- **I may be prosecuted; and**
- **if convicted, I may have to pay a fine and/or go to prison.**

By signing below, you are confirming that you understand and agree with the declaration above.

| | | |
|----------------------------|--|--|
| Title | | |
| First name | | |
| Last name | | |
| On behalf of (if relevant) | | |
| Today's date | | |

If you knowingly or recklessly make a statement which is false or misleading to help you get an environmental permit (for yourself or another person), you are committing an offence under the Environmental Permitting (England and Wales) Regulations 2016.

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.

I understand that if I knowingly or recklessly make a false or misleading statement:

- **I may be prosecuted; and**
- **if convicted, I may have to pay a fine and/or go to prison.**

By signing below, you are confirming that you understand and agree with the declaration above.

Title

First name

Last name

On behalf of (if relevant)

Today's date



NON-TECHNICAL SUMMARY



May 2017

WREXHAM PRODUCTION FACILITY (EPR/AB3094FQ): EP VARIATION APPLICATION

501: Non-Technical Summary

Submitted to:

Cott Beverages Limited
Spectrum Industrial Estate
Wrexham
Wales
LL13 9QA

REPORT



Report Number. 1669856.501/A.0

Distribution:

Cott Beverages Ltd - 1 copy (pdf)
Natural Resources Wales - 1 copy (pdf)
Golder Associates (UK) Ltd - 1 copy





Table of Contents

| | |
|---------------------------------------|----------|
| 1.0 INTRODUCTION..... | 1 |
| 2.0 SCOPE OF APPLICATION | 1 |
| 3.0 APPLICATION CONTENT..... | 2 |



1.0 INTRODUCTION

Cott Beverages Limited ('Cott') has requested that Golder Associates (UK) Ltd ('Golder') prepares an Environmental Permit (EP) Variation Application (hereafter referred to as the 'variation application') for its soft drinks and freezeables manufacturing facility located at Unit D-F Spectrum Business Park, Wrexham, Wales, LL13 9QA (the 'Site').

The Site is located at National Grid Reference (NGR) SJ 38067 49312.

The Site is currently regulated under bespoke Installation EP (reference EPR/AB3094FQ) which was granted by Natural Resources Wales (NRW) on 11 February 2016. The EP allows Cott to operate the following activities:

- Activity A1 - Schedule 1 Section 6.8 Part A(1)(d)(ii) – treating and processing vegetable raw materials with a finished product production capacity greater than 300 tonnes per day or 600 tonnes per day where the installation operates for a period of no more than 90 consecutive days in any year.

There are also a number of directly associated activities (DAAs) as follows:

- Activity A2: Storage and handling of raw materials, chemicals, fuel and waste;
- Activity A3: Discharge of effluent to sewer, and of clean water to the River Dee; and
- Activity A4: Generation of steam for the pasteurisation process, in two 1.2 MW boilers.

The activity capacity is over 300 tonnes per day; with an anticipated production capacity of over 250,000 tonnes per year.

2.0 SCOPE OF APPLICATION

Whilst retaining the same overall operations as under the current EP, Cott wishes to install a Cleaning-In-Process (CIP) system for the Freezepops production line. This will be semi-automated with complete replacement of pipework and valves from the holding tanks through to the fillers. The main change as a result of this addition will be an increase in the use of caustic (increasing from 1,300 kg/year to 2,600 kg/year).

A single new production line will also be installed on the Site; the Wrexham Water Line. This production line fits within the existing building on Site but the associated process equipment will be housed in new buildings attached to the current process building. There will be no change in Site EP boundary or emission points as a result of this. The production line uses the same technology as the current lines already installed therefore no changes are being made to the Sites operational procedures or control philosophy. This additional line will increase production capacity at the Site but will not exceed the overall existing permitted capacity.

Cott also wishes to amend Activity A4 and upgrade the boilers on Site. Cott is undertaking the replacement of two existing 1.2 MW (thermal input) boilers with one 1.2 MW boiler and one 5 MW boiler.

This variation application is being submitted to seek amendment to the EP to reflect these changes.



3.0 APPLICATION CONTENT

In order to satisfy the requirements of NRW such that an EP can be varied, Golder has submitted an EP variation application on behalf of Cott that includes the following documents and assessments:

- NRW EP application forms A, C2, C3, and F1;
- A set of Site plans detailing the location of the Site and the layout of it both externally and within the production building. This includes an revised Site drainage plan which has been updated following discussions with NRW and is presented in this variation application for completeness;
- A Supporting Statement detailing the changes to be addressed under the permit variation application;
- An updated H1 environmental risk assessment to model the proposed increase in combined boiler capacity; and
- A copy of the existing operator performance risk assessment (OPRA) form which models the key attributes of the Site in order to generate the EP variation application fee.

The application is being made in accordance with the EP Regulations, and using the relevant Environment Agency (England) and NRW tools and guidance available.

The relevant technical guidance note for the Food and Drink Sector is EPR 6.10 “How to comply with your environmental permit, additional guidance for the food and drink sector”, dated March 2009. The Site will continue to be operated in accordance with this guidance and following the existing procedures already in place at the Site.



Report Signature Page

GOLDER ASSOCIATES (UK) LTD

A handwritten signature in blue ink that reads "R Hodkinson".

Rebecca Hodkinson
Project Manager

Date: 31 May 2017

Author: Rebecca Smyth/RH/ab

Company Registered in England No. 1125149

At Attenborough House, Browns Lane Business Park, Stanton-on-the-Wolds, Nottinghamshire NG12 5BL

VAT No. 209 0084 92

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SUPPORTING STATEMENT



May 2017

WREXHAM PRODUCTION FACILITY (EPR/AB3094FQ): EP VARIATION APPLICATION

502: Variation Supporting Statement

Submitted to:

Cott Beverages
Wrexham (Calypso) Production Facility
Unit D-F Spectrum Business Park
Wrexham
Wales
LL13 9QA

REPORT



Report **Number** 1669856.502/A.0

Distribution:

Cott Beverages - 1 copy (pdf)
Natural Resources Wales - 1 copy (pdf)
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Table of Contents

| | | |
|------------|-----------------------------------------------------------|----------|
| 1.0 | INTRODUCTION..... | 1 |
| 1.1 | General..... | 1 |
| 1.2 | Regulatory Position..... | 1 |
| 1.3 | Objective of this Variation Application..... | 1 |
| 2.0 | APPLICATION FORMS | 2 |
| 2.1 | Form Part A – About the Applicant | 2 |
| 2.2 | Form Part C2 – General - Varying a Bespoke Permit | 2 |
| 2.2.1 | Qu.1a: Pre-application Discussion | 2 |
| 2.2.2 | Qu.2a: Type of Variation | 2 |
| 2.2.3 | Qu.2b: Changes or Additions to Existing Activities | 2 |
| 2.2.4 | Qu.3a, b and c: Operator Ability | 2 |
| 2.2.5 | Qu.3d: Management Systems..... | 2 |
| 2.2.6 | Qu.5a: Site Plans | 3 |
| 2.2.7 | Qu.5b: Site Report | 3 |
| 2.2.8 | Qu.5c: Non-Technical Summary | 3 |
| 2.2.9 | Qu.5d: Baseline Report..... | 3 |
| 2.2.10 | Qu.6: Environmental Risk Assessment | 3 |
| 2.3 | Form Part C3 – Varying a Bespoke Installation Permit..... | 3 |
| 2.3.1 | Qu.1: Type of Activities Being Varied..... | 3 |
| 2.3.2 | Qu.2: Emissions to Air, Water and Land | 3 |
| 2.3.3 | Qu.3: Operating Techniques | 5 |
| 2.3.3.1 | Wrexham Water Line | 5 |
| 2.3.3.2 | CIP Process..... | 6 |
| 2.3.4 | Qu.4: Monitoring..... | 6 |
| 2.3.5 | Qu. 6: Resource Efficiency..... | 6 |
| 2.4 | Form Part F1 – OPRA, Charges and Declarations | 7 |
| 2.4.1 | Qu.1: Application Fee..... | 7 |
| 2.4.2 | Qu.2: OPRA Spreadsheet..... | 7 |



TABLES

Table 1: Revised Table S3.2 5

Table 2: Wrexham Water Line Capacity 5

Table 3: Additional Water usage from Wrexham Water Line..... 6



1.0 INTRODUCTION

1.1 General

Cott Beverages Limited ('Cott') has requested that Golder Associates (UK) Ltd ('Golder') prepares an Environmental Permit (EP) Variation Application (hereafter referred to as the 'variation application') for its soft drinks and freezeables manufacturing facility located at Unit D-F Spectrum Business Park, Wrexham, Wales, LL13 9QA (the 'Site') as shown on **Drawing 1 - Site Location Plan** provided in **Appendix 1**.

The Site is located at National Grid Reference (NGR) SJ 38067 49312.

1.2 Regulatory Position

The Site is currently regulated under bespoke Installation EP (reference EPR/AB3094FQ) which was granted by Natural Resources Wales (NRW) on 11 February 2016. The EP allows Cott to operate the following activities:

- Activity A1 - Schedule 1 Section 6.8 Part A(1)(d)(ii) – treating and processing vegetable raw materials with a finished product production capacity greater than 300 tonnes per day or 600 tonnes per day where the installation operates for a period of no more than 90 consecutive days in any year.

There are also a number of directly associated activities (DAAs) as follows:

- Activity A2: Storage and handling of raw materials, chemicals, fuel and waste;
- Activity A3: Discharge of effluent to sewer, and of clean water to the River Dee; and
- Activity A4: Generation of steam for the pasteurisation process, in two 1.2 MW boilers

The activity capacity is over 300 tonnes per day; with an anticipated production capacity of over 250,000 tonnes per year.

1.3 Objective of this Variation Application

Whilst retaining the same overall operations as under the current EP, Cott wishes to install a Cleaning-In-Process (CIP) system for the Freezepops production line. This will be semi-automated with complete replacement of pipework and valves from the holding tanks through to the fillers. The main change as a result of this addition will be an increase in the use of caustic (increasing from 1,300 kg/year to 2,600 kg/year).

A single new production line will also be installed on the Site; the Wrexham Water Line. This production line fits within the existing building on Site but the associated process equipment will be housed in new buildings attached to the current process building. There will be no change in Site EP boundary or emission points as a result of this. The production line uses the same technology as the current lines already installed therefore no changes are being made to the Sites operational procedures or control philosophy. This additional line will increase production capacity at the Site but will not exceed the overall existing permitted capacity.

Cott also wishes to amend Activity A4 and upgrade the boilers on Site. Cott is undertaking the replacement of two existing 1.2 MW (thermal input) boilers with one 1.2 MW boiler and one 5 MW boiler.

This variation application is being submitted to seek amendment to the EP to reflect these changes.



2.0 APPLICATION FORMS

As required for a normal variation application for a bespoke Installation EP, the NRW application form parts A, C2, C3 and F1 have been completed.

The form is the driver behind the application, such that NRW is able to verify that the regulatory requirements have been met. This section provides responses to the relevant questions on each part of the form and signposts to supplementary documents provided in support of the variation application.

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

2.1 Form Part A – About the Applicant

Part A Application Form, Version 1 dated July 2016 has been completed. This identifies that the applicant for the Installation EP is Cott Beverages Limited.

The contact for any questions regarding the application is Ms Rebecca Hodgkinson at Golder, the Agent for the EP variation application. Contact details for both parties are provided in this application form.

2.2 Form Part C2 – General - Varying a Bespoke Permit

2.2.1 Qu.1a: Pre-application Discussion

No formal pre-application meeting has been held, although email correspondence has occurred and a meeting held with NRW on 10 May 2017.

2.2.2 Qu.2a: Type of Variation

The NRW EP Charging Scheme Guidance (applicable from April 2016) defines the different types of application based on the type of variation and the degree of assessment required. In accordance with this guidance, and subsequent discussions with the local liaison officer (Julia Frost), this variation application is considered to constitute a normal variation.

2.2.3 Qu.2b: Changes or Additions to Existing Activities

Whilst retaining the same overall operations as under the current EP, Cott wishes to install a Cleaning-In-Process (CIP) system for the Freezepops production line, as well as upgrading the boilers on Site. It also wishes to include a single new production line within the existing building.

2.2.4 Qu.3a, b and c: Operator Ability

The proposed operator and EP holder will be Cott Beverages Limited (the 'Company'), although the facility is often referred to as the Calypso site, due to its previous owner and operator.

Cott can confirm that neither the Company, nor any relevant person within the Company, has been convicted of a relevant offence.

The EP application is not for a specified waste management activity or waste operation; as such question 3b does not apply.

Cott can confirm that neither the Company, nor any relevant person within the Company, has any current or past bankruptcy or insolvency proceedings against them.

2.2.5 Qu.3d: Management Systems

Cott operates an Environmental Management System (EMS) at its existing permitted facilities, including this Site. It is certified by an accredited body (QMS International plc) to ISO 14001.

A copy of the EMS was provided with the initial application; no changes have been made to this. The EMS will be reviewed in line with the changes being undertaken on Site.



2.2.6 Qu.5a: Site Plans

The following Site drawings are provided in **Appendix 1** of this variation application:

- Drawing 1 - Site Location Plan;
- Drawing 2 - Site Layout Plan; and
- Drawing WRX-GA-001 – Site Drainage Plan.

2.2.7 Qu.5b: Site Report

The land covered by this application is already subject to the existing EP which was granted in 2016. As such, the existing Site Condition Report remains relevant, and has not been revisited as part of this variation application.

2.2.8 Qu.5c: Non-Technical Summary

A Non-Technical Summary is provided in this variation application (ref.1669856.501).

2.2.9 Qu.5d: Baseline Report

The variation application does not seek to add a new listed activity to the existing EP; as such a baseline report is not required.

2.2.10 Qu.6: Environmental Risk Assessment

The existing Environmental Risk Assessment (ERA) has been reviewed to take into account the changes subject to this variation. No changes have been identified and as such the ERA submitted under the original application remains relevant.

2.3 Form Part C3 – Varying a Bespoke Installation Permit

2.3.1 Qu.1: Type of Activities Being Varied

The Site is currently regulated under bespoke Installation EP (reference EPR/AB3094FQ) which was granted on 11 February 2016.

The purpose of this variation application is set out in detail in Section 1.3 of this supporting statement.

2.3.2 Qu.2: Emissions to Air, Water and Land

There are no point source emissions to air or to land from the Site that currently require monitoring by the EP, and this remains the case after any changes made by this variation application.

The current EP includes the operation of two Cochran Chieftain 1.2 MWt gas-fired steam raising boilers as a DAA to the primary production activity (A4). These are used to provide heat to the pasteurisation process; these are small and there is no requirement to monitor them.

This variation application seeks to allow the replacement of these boilers with two new ones that, cumulatively, present an increase in thermal input capacity. The new boilers will consist of one Cochran Chieftain 1.2 MWt gas fired steam raising boiler and a Byworth 5 MWt gas fired steam raising boiler. The two proposed boilers are still below the Schedule 1 threshold in the EP Regulations and do not therefore need to be addressed in the EP as a listed activity. As for the existing boilers there is also no requirement to monitor the new boilers however, in line with the method followed for the original EP application, they have been assessed using the Environment Agency's H1 tool.

The original H1 assessment, produced for the original EP application has been revisited and updated to reflect the proposed change in boiler capacity. As no monitoring of emissions to air has been required to date, an H1 assessment of emissions of NO₂ and CO from the boilers has been carried out using an assumed emission limit value (ELV) of 100 mg/m³ and an estimated flow rate provided by the boiler servicing contractor. This is a very conservative approach as the boiler emissions are unlikely to be at this level in practice.



502: VARIATION SUPPORTING STATEMENT

A copy of the revised H1 is provided in **Appendix 3** of this variation application. No changes have been made to the H1 in relation to impacts other than as a result of the changes to the boilers.

For NO_x and CO the proposed ELV of 100 mg/m³, used throughout the H1 assessment, is taken from the industrial emissions directive (IED) emission limit values for gas fired combustion plants. The screening assessment has been undertaken assuming that emissions will be at ELVs and is therefore a conservative assessment. It is assumed that 100% NO_x is NO₂ for long-term emissions and 50% NO_x is NO₂ for short-term emissions.

In the absence of MCERTS stack emissions monitoring data, flow rates across the boilers have been estimated by the boiler servicing contractor, Byworth Boilers Limited. Byworth advises that the exit flow rate of combustion gas from this boiler is 2.09 m³/s. The Cochran boiler is based on gas consumption data from the Site for 2014 of 8.234 GWh; this is unaltered from the 2015 EP submission.

Applying the above assumptions, the H1 assessment indicates that emissions of CO will be insignificant. However, the process contribution NO₂ is assessed as being 83.3% of the long-term EAL and 219% of the short-term EAL. When the background concentration is applied the predicted environmental concentration (PEC) is calculated as being 115% of the long-term EAL.

The H1 guidance suggests that if the PEC is greater than 70% of the Air Quality Objective (AQO), atmospheric dispersion modelling (ADM) may be useful. However, because there is currently no monitoring data for the Site, ADM has not been undertaken at this stage. It is proposed that an improvement condition is included in the EP requiring stack emissions testing of the boilers once they are at normal operation, with subsequent review and update of the H1 assessment, before 31 December 2017.

There are no changes, as a result of this variation application, to the management processes for effluent discharge to foul sewer (under West Water discharge consent) or to uncontaminated surface water run-off which is discharged to the River Dee. It is anticipated that caustic use at the Site will double from approximately 1300 kg/year to 2600 kg/year however once the process is commissioned the quantities used can be verified. With the additional caustic use it is anticipated that the Site should continue to meet its current discharge consent held with Welsh Water.

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements needs to be updated to reflect a mistake in the existing EP. Currently the table is as follows:

| Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements | | | | | | |
|----------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------|--------------------|------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Emission point ref. & location | Parameter | Source | Limit (incl. unit) | Reference Period | Monitoring frequency | Monitoring standard or method |
| W1 (river Clywedog which feeds into the River Dee (Blue Line) on site drainage plan in Schedule 7). | n/a | Clean, Un-contaminated surface water run-off from the site. | No limit set | n/a | n/a | Within the surface water drainage system there is an automatic sugar meter which is linked to electronic devices worn by personnel in the factory to immediately identify any spillages. |



502: VARIATION SUPPORTING STATEMENT

Cott would like to update the table to the following to more adequately describe what happens on Site in relation to monitoring:

Table 1: Revised Table S3.2

| Emission Point Ref. & Location | Parameter | Source | Limit (incl. unit) | Reference Period | Monitoring Frequency | Monitoring Standard or Method |
|--------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------|--------------------|------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| W1 (river Clywedog which feeds in the River Dee (Blue Line) on Site drainage plan in Schedule 7. | n/a | Clean, uncontaminated surface water run-off from the Site. | No limit set | n/a | n/a | Within the Site surface water drainage system there is a Brix meter which is linked to a notification system which will alarm if a spill is detected. |

This is not a change to what has been happening on the Site but merely corrects the wording in the EP to better reflect the monitoring undertaken.

2.3.3 Qu.3: Operating Techniques

The relevant technical guidance note for the Food and Drink Sector is EPR 6.10 “How to comply with your environmental permit, additional guidance for the food and drink sector”, dated March 2009. The Site will continue to be operated in accordance with this guidance and following the existing procedures already in place at the Site.

2.3.3.1 Wrexham Water Line

A single new production line (Wrexham Water Line) will be installed on the Site. This production line fits within the existing building but the associated process equipment will be housed in new buildings attached to the current process building. There will be no change in the Site EP boundary or emission points.

The new production line is as per all standard PET lines with the addition of a bottle blower and filler. The product is then labelled, packed and palletised. Cott only produces bottled water with the addition of balancing chemicals i.e. there are no syrups associated with these production lines. The new line will be managed in line with current operating techniques and procedures on Site.

The replacement of the line will lead to an increase in water and energy use, generation of effluent and packaging waste of the Site.

The line has been designed to fill 500 ml bottles but has the capability to also fill a 600 ml bottle although no production is planned at this larger size.

Table 2: Wrexham Water Line Capacity

| Year Forecast | Product | Cases Per Year (24 bottles per case) | Litres Per Week (12 Shifts per week) | Litres Per Year at 100% capacity (49 weeks) |
|---------------|---------------|--------------------------------------|--------------------------------------|---------------------------------------------|
| Year 1 | 500 ml bottle | 2,000,000 | 461,538 | 1,524,096,000 |
| Year 2 | 500 ml bottle | 4,000,000 | 923,076 | |
| Year 3 | 500 ml bottle | 6,000,000 | 1,384,614 | |



502: VARIATION SUPPORTING STATEMENT

The additional water usage at the Site is based on forecast case sales and will be met by a combination of process (Town) and spring water pending the market requirement and the extraction limit of the boreholes.

Table 3: Additional Water Usage from Wrexham Water Line

| Year Forecast | Cases Per Year (24 bottles per case) | Estimated Usage (litres per annum) |
|---------------|-----------------------------------------|---------------------------------------|
| Year 1 | 2,000,000 | 26,400,000 |
| Year 2 | 4,000,000 | 52,800,000 |
| Year 3 | 6,000,000 | 79,200,000 |

Based on this additional usage it is anticipated that there will be an increase in the Site effluent by approximately 15% predominantly due to the process waste from the on-Site reverse osmosis plant and the vapour distillation units.

Waste output for the Site will increase marginally due to the new line and is currently anticipated to be approximately 2%. This will be mainly out of specification packaging and secondary material waste.

2.3.3.2 CIP Process

As a result of the installation of the CIP system to the Freezepops line, the quantity of caustic that will be used will increase. Whilst usage cannot be determined at this stage, Cott regularly reviews its raw material usage and will be in a position to quantify this once the CIP system has been installed, commissioned, and is operating fully. It is confirmed that whilst usage will increase, Cott will not be installing any additional tanks for caustic storage; instead the existing tank(s) will be used, and more frequent deliveries made.

With the additional caustic use it is anticipated that Cott should continue to meet its current discharge consent held with Welsh Water. Discussions with Welsh Water have identified that the additional caustic use will be offset by the increase in pre-rinse water used within the CIP system. Currently approximately 150 tonnes of caustic is discharged to Welsh Water alongside other discharge waters, the new system is likely to use an additional 150 tonnes per year but this will be alongside approximately 500 tonnes of additional rinse water. The Site is in continued communication with Welsh Water and will monitor the effluent in line with their trade effluent consent.

2.3.4 Qu.4: Monitoring

There is no amendment to current monitoring regimes as a result of this variation application.

2.3.5 Qu. 6: Resource Efficiency

Basic energy measures at the Site are in place, supported by the EMS that is followed by Cott at this, and other sites. The standard control measures for energy use and monitoring remain unchanged as a result of this variation; however, it is recognised that there will be an increase in energy use at the Site, as follows:

- An increase in natural gas as a result of the operation of two boilers at a total thermal input of 6.2 MW, compared to the current two boilers which are rated at 2.4 MW combined; and
- An increase in energy use as a result of the installation of an additional production line.

Energy use will continue to be monitored, and energy use reviewed on a regular basis to ensure that it is minimised.



2.4 Form Part F1 – OPRA, Charges and Declarations

2.4.1 Qu.1: Application Fee

In accordance with the current NRW EP charging scheme guidance the cost of a normal variation application is calculated using the OPRA score at the time of variation.

The Site has an OPRA score of 38 and the normal variation multiplier is 57 resulting in a variation application fee of £2,166.00.

This fee has been paid to NRW by BACS.

2.4.2 Qu.2: OPRA Spreadsheet

A copy of the existing OPRA spreadsheet has been provided in **Appendix 2** of this variation application. A copy is also provided in Microsoft Excel format.



Report Signature Page

GOLDER ASSOCIATES (UK) LTD

A handwritten signature in blue ink, reading "RHodkinson".

Rebecca Hodkinson
Project Manager

Date: 31 May 2017

Author: Rebecca Smyth/RH/ab

Company Registered in England No. 1125149

At Attenborough House, Browns Lane Business Park, Stanton-on-the-Wolds, Nottinghamshire NG12 5BL

VAT No. 209 0084 92

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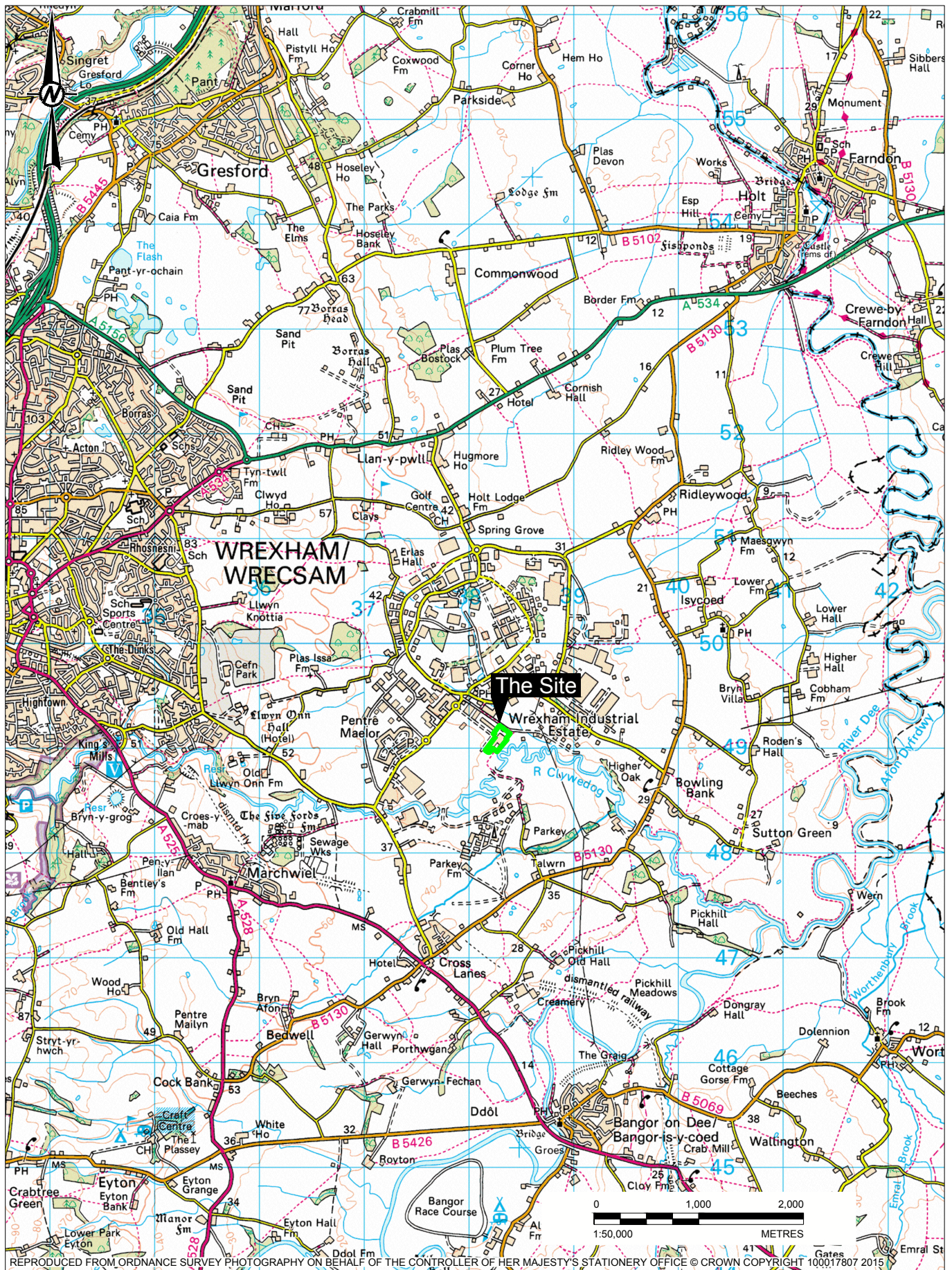


APPENDIX 1

Drawing 1 – Site Location Plan

Drawing 2 – Site Layout Plan

Drawing WRX-GA-001 – Site Drainage Plan



CLIENT
COTT BEVERAGES LIMITED

PROJECT
ENVIRONMENTAL PERMIT VARIATION APPLICATION
WREXHAM

CONSULTANT

YYYY-MM-DD 2017-02-24

DESIGNED RS

PREPARED ECS

REVIEWED RH

APPROVED RH

TITLE
SITE LOCATION PLAN

PROJECT NO.
1669856

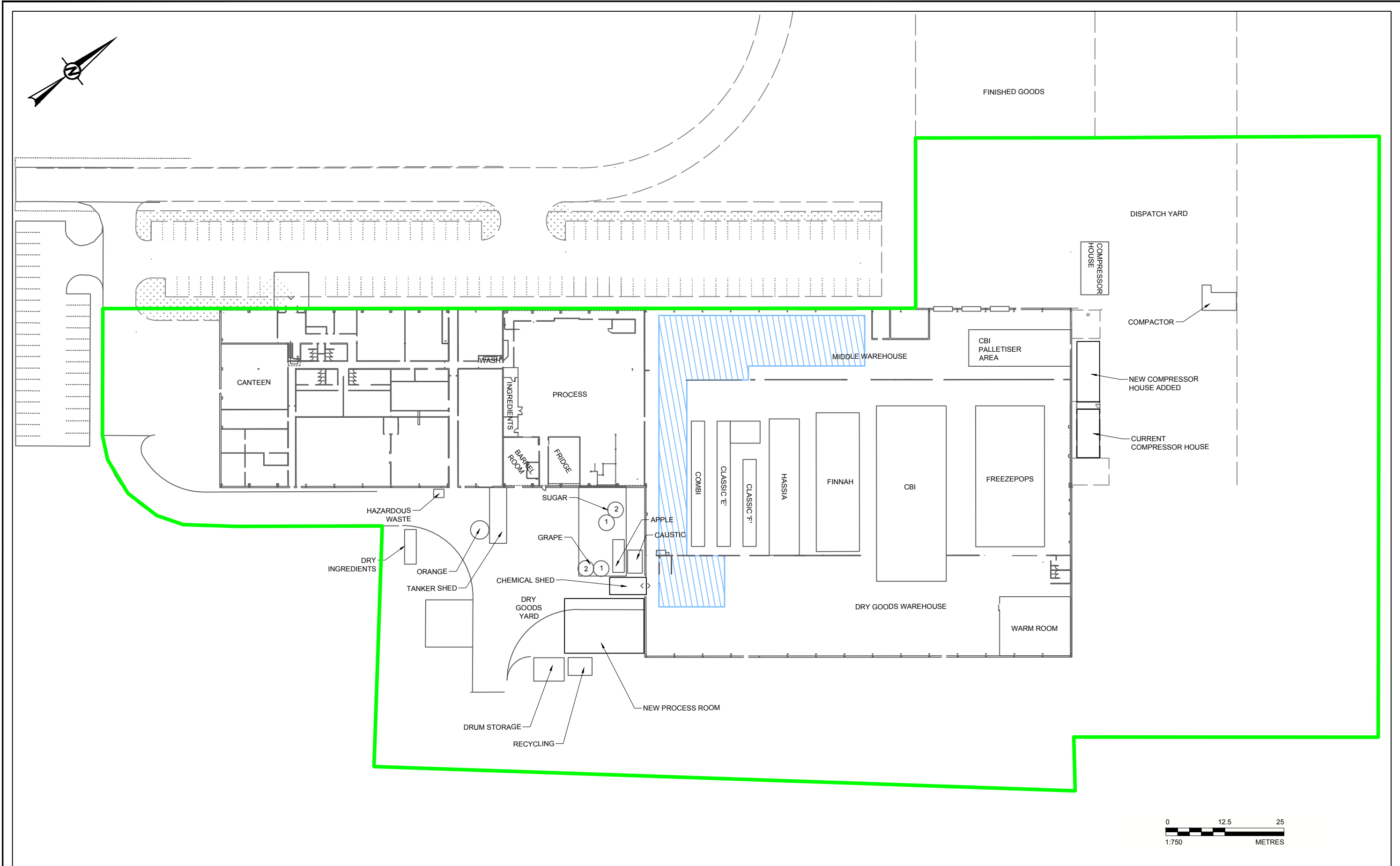
CONTROL
1001-EP-0001

REV.
A

DRAWING
1



Path:\b041-s-main01\CADD_GIS_C9A\PH\CS\Bott Beverages Limited\Wrexham09_PROJECTS\1669856_EPVA\02_PRODUCTION\DWG | File Name: 1669856-1001-EP-0002.dwg



| LEGEND | |
|--------|-----------------------------------------|
| | ENVIRONMENTAL PERMIT VARIATION BOUNDARY |
| | NEW WATER LINE |

CLIENT
COTT BEVERAGES LIMITED

CONSULTANT



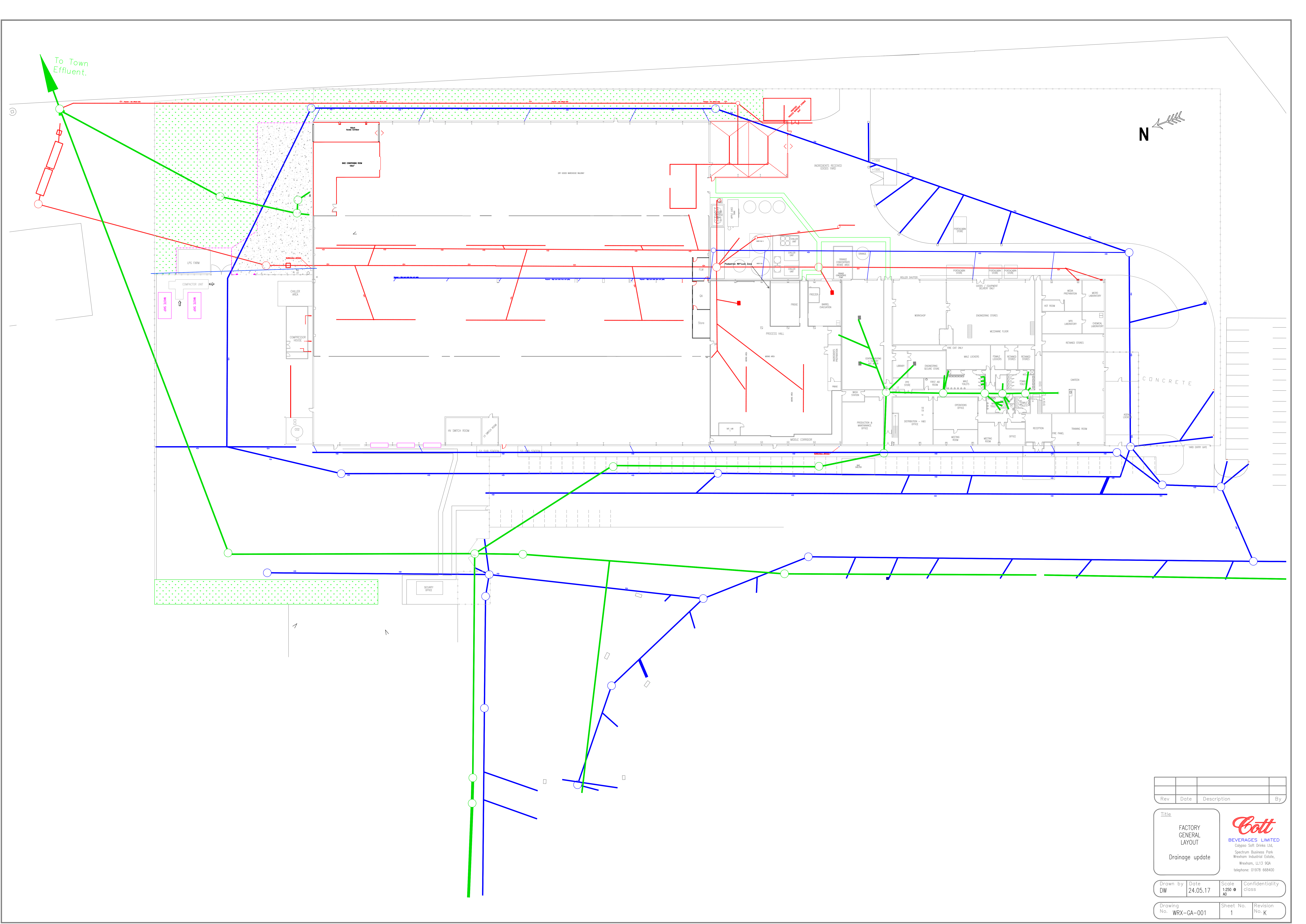
| | |
|------------|------------|
| YYYY-MM-DD | 2017-02-24 |
| DESIGNED | RS |
| PREPARED | ECS |
| REVIEWED | RH |
| APPROVED | RH |

PROJECT
ENVIRONMENTAL PERMIT VARIATION APPLICATION
WREXHAM

TITLE
SITE LAYOUT PLAN

| | | | |
|------------------------|-------------------------|-----------|--------------|
| PROJECT NO. 1669856 | CONTROL 1001-EP-0002 | REV. A | DRAWING 2 |
|------------------------|-------------------------|-----------|--------------|

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ISO A3



| Rev | Date | Description | By |
|-----|------|-------------|----|
| | | | |

Title
FACTORY
GENERAL
LAYOUT

Drainage update

Cott
BEVERAGES LIMITED
Coltpea Soft Drinks Ltd.
Spectrum Business Park
Wrexham Industrial Estate,
Wrexham, LL13 9QA
telephone: 01978 668400

| Drawn by | Date | Scale | Confidentiality |
|----------|----------|-------------|-----------------|
| DW | 24.05.17 | 1:250 A0 | class |

| Drawing No. | Sheet No. | Revision |
|-------------|-----------|----------|
| WRX-GA-001 | 1 | No. K |



APPENDIX 2

OPRA

Operational Risk Appraisal (Opra) for Installations under EPR



| | |
|-------------------|------------------------|
| Organisation Name | Cott Beverages Limited |
|-------------------|------------------------|

| | |
|-------------|--|
| Case Number | |
|-------------|--|

| | |
|---------|-----|
| Version | 3.9 |
|---------|-----|

| |
|-------------------------|
| Opra Scheme Version 3.9 |
|-------------------------|

Full instructions for the use of this spreadsheet are contained in the accompanying documentation. It is recommended that the user fills in the spreadsheet following the order of worksheets listed below (click on the appropriate tab at the bottom of the screen). Not all worksheets require input, for those that do, the fields that may require input have no background colour. The sequence of worksheets is divided into two sections. Sheets 1 to 11 are concerned with the input of data. Sheet 12 is the summary for the Opra Scores and Sheet 13 displays the charges. If you cannot see the whole of this box or it is very small, please click 'View' and adjust 'Zoom' level.

1 Listed Activities

Please refer to the Opra Scheme for Installations for the look-up tables and guidance. Use abbreviated descriptions, select the Schedule 1 references and bands from the pick lists provided.

2 Other Activities

Please enter Part A(2), Part B and aggregated activities onto this sheet.

3 Complexities

Summary of complexities and rules applied

4 Emissions to Air

5 Emissions to Water

6 Emissions to Land

7 Emissions to Sewer

8 Emissions to Waste

9 Emissions Summary

No input is required. Output screen only. Summary of emissions.

10 Location

11 Operational Management

12 Opra Summary

No input is required. Output screen only. The emissions are shown separately.

13 Calculation

No input is required. Charges with separate emissions totals. It is possible to clear the scores and recalculate the charges to include any amendments.

For queries about the scheme or the operation of the spreadsheet, please contact the Environment Agency by email: opra@environment-agency.gov.uk

For EA Use

☐ Consolidated Permit

Listed Activities - Complexity Attribute

| | |
|----------------------|------------------------|
| Organisation: | Cott Beverages Limited |
| Case Number: | 0 |

| | Description of Activity | Schedule 1 Reference | Regulatory Complexity |
|----|--------------------------------------------------------------|------------------------|-----------------------|
| 1 | Production of drinks at a plant >300 tonnes per day capacity | 6.8 Part A (1) d) (ii) | B |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |

Totals before any rules are applied

| | |
|---|---|
| A | 0 |
| B | 1 |
| C | 0 |
| D | 0 |
| E | 0 |

If there is insufficient space
please attach a paper record

If Rule 4 applies - please complete Other Activities sheet

Aggregation and Schedule1 Part A(2) and Part B Activities

| | | |
|--------------------|------------------------|----------------------------------------------------------------|
| Organisation Name: | Cott Beverages Limited | If there is insufficient space please attach a paper record |
| Case Number: | 0 | |

| Schedule 1 Part A(1) - Rule 4 Aggregation Details | | | | |
|---------------------------------------------------|-------------------|-------------|----------------|------------|
| | Aggregation Group | Description | Schedule 1 Ref | Complexity |
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |

| | |
|--------|-------------|
| Rule 4 | Not Applied |
|--------|-------------|

| List of Schedule 1 Part (A) 2 and Part B Activities included in the Installation | | |
|----------------------------------------------------------------------------------|-------------------------------|----------------------|
| | Enter description of Activity | Schedule 1 Reference |
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| 11 | | |
| 12 | | |
| 13 | | |
| 14 | | |
| 15 | | |
| 16 | | |
| 17 | | |
| 18 | | |
| 19 | | |
| 20 | | |

EPR- Installations Charging Scheme Complexity - Application of Rules

| | |
|---------|------------------------|
| Company | Cott Beverages Limited |
| Permit | 0 |

| | Description / Aggregation Group | Schedule 1 Ref | Complexity | Rule 3 Capping | Rule 5 not applied | Rule 6 not applied | Rule 7 Not Applied |
|----|--------------------------------------------------------------|------------------------|------------|-------------------|-----------------------|-----------------------|-----------------------|
| 1 | Production of drinks at a plant >300 tonnes per day capacity | 6.8 Part A (1) d) (ii) | B | B | B | B | B |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |
| 24 | | | | | | | |
| 25 | | | | | | | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | | | | | | | |
| 30 | | | | | | | |

| Summary of Rules Applied | |
|--------------------------|----|
| Rule 3 | No |
| Rule 4 | No |
| Rule 5 | No |
| Rule 6 | No |
| Rule 7 | No |

These totals will be carried forward and used to calculate the Opra Risk Summary and Calculation of Charges

| Scores after Rules applied (Used for calculation of Charges) | | | |
|--------------------------------------------------------------|----------------------|------------------------|-------|
| Complexity | First 6 Complexities | Remaining complexities | Total |
| A | 0 | 0 | 0 |
| B | 1 | 0 | 1 |
| C | 0 | 0 | 0 |
| D | 0 | 0 | 0 |
| E | 0 | 0 | 0 |
| Capped | 0 | 0 | 0 |

| Scores before rules applied (Used for summary of Risk) |
|--------------------------------------------------------|
| 0 |
| 1 |
| 0 |
| 0 |
| 0 |

Emissions Attribute - Releases to Air

| | |
|---------------------------|------------------------|
| Organisation Name: | Cott Beverages Limited |
| Case Number: | 0 |

Please check that the data is entered in the correct units.
The Emission Index will only show if the data entered exceeds the threshold.

Please tick box if this sheet is applicable ☒

| Substance | Units | Emission Threshold | Maximum Quantity | Emission Index | Notes |
|-------------------------------------------------|-------------|--------------------|------------------|----------------|-------|
| Oxides of Sulphur | Tonnes Year | 10 | | 0 | |
| Oxides of Nitrogen | Tonnes Year | 10 | | 0 | |
| Carbon Monoxide | Tonnes Year | 1000 | | 0 | |
| | | | | | |
| Beryllium | Kg year | 1 | | 0 | |
| Cadmium | Kg year | 1 | | 0 | |
| Lead | Kg year | 1 | | 0 | |
| Mercury | Kg year | 1 | | 0 | |
| | | | | | |
| Antimony | Kg year | 10 | | 0 | |
| Arsenic | Kg year | 10 | | 0 | |
| Chromium | Kg year | 10 | | 0 | |
| Nickel | Kg year | 10 | | 0 | |
| Selenium | Kg year | 10 | | 0 | |
| | | | | | |
| Other Metals Specify | | | | | |
| | Kg year | 100 | | 0 | |
| | Kg year | 100 | | 0 | |
| | Kg year | 100 | | 0 | |
| | Kg year | 100 | | 0 | |
| | Kg year | 100 | | 0 | |
| | | | | | |
| Organic Compounds | | | | | |
| Dioxins and Furans | mg TEQ year | 0.1 | | 0 | |
| PCBs | mg TEF year | 0.1 | | 0 | |
| | | | | | |
| PAHs as benzo(a)pyrene | Kg year | 1 | | 0 | |
| Phosgene | Kg year | 1 | | 0 | |
| Isocyanates | Kg year | 1 | | 0 | |
| Di-ethyl sulphate | Kg year | 1 | | 0 | |
| Di-methyl sulphate | Kg year | 1 | | 0 | |
| | | | | | |
| Acrylonitrile | Kg year | 10 | | 0 | |
| Aniline | Kg year | 10 | | 0 | |
| Benzene | Kg year | 10 | | 0 | |
| Benzyl Chloride | Kg year | 10 | | 0 | |
| 1-chloro-2,3-epoxypropane | Kg year | 10 | | 0 | |
| Chloroform | Kg year | 10 | | 0 | |
| Cyanamide | Kg year | 10 | | 0 | |
| Ethylene oxide | Kg year | 10 | | 0 | |
| Formaldehyde | Kg year | 10 | | 0 | |
| Maleic anhydride | Kg year | 10 | | 0 | |
| Nitrobenzene | Kg year | 10 | | 0 | |
| Allyl alcohol | Kg year | 10 | | 0 | |
| | | | | | |
| | | | | | |
| Acetaldehyde | Kg year | 100 | | 0 | |
| Acetonitrile | Kg year | 100 | | 0 | |
| Benzene-1,2,4-tricarboxylic acid, 1,2-anhydride | Kg year | 100 | | 0 | |
| 1,3-butadiene | Kg year | 100 | | 0 | |
| Chloroethene | Kg year | 100 | | 0 | |
| 1,2-dichloroethane | Kg year | 100 | | 0 | |
| Dimethylformamide | Kg year | 100 | | 0 | |
| 1,4-dioxane | Kg year | 100 | | 0 | |
| 2-ethoxyethanol | Kg year | 100 | | 0 | |
| 2-ethoxyethylacetate | Kg year | 100 | | 0 | |
| Ethyl acrylate | Kg year | 100 | | 0 | |
| Iodomethane | Kg year | 100 | | 0 | |
| Methylamine | Kg year | 100 | | 0 | |
| 2-methylpropane | Kg year | 100 | | 0 | |
| Phenol | Kg year | 100 | | 0 | |
| Propylene oxide | Kg year | 100 | | 0 | |

11/04/2017

| | | | | | |
|-----------------------------------------------------------------------------|---------|------|--------------|----------|--|
| HFC's | Kg year | 100 | | 0 | |
| HCFC's | Kg year | 100 | | 0 | |
| PFC's | Kg year | 100 | ons to Air | 0 | |
| | Kg year | | | | |
| Benzaldehyde | Kg year | 500 | | 0 | |
| Benzo(a)pyrene | Kg year | 500 | | 0 | |
| Butene | Kg year | 500 | | 0 | |
| Chloromethane | Kg year | 500 | | 0 | |
| 1,4-dichlorobenzene | Kg year | 500 | | 0 | |
| Dichloromethane | Kg year | 500 | | 0 | |
| Ethyl toluene | Kg year | 500 | | 0 | |
| Ethylene | Kg year | 500 | | 0 | |
| i-butyraldehyde | Kg year | 500 | | 0 | |
| Methyl bromide | Kg year | 500 | | 0 | |
| Pentene | Kg year | 500 | | 0 | |
| Propene | Kg year | 500 | | 0 | |
| Styrene | Kg year | 500 | | 0 | |
| Tetrachloroethane | Kg year | 500 | | 0 | |
| Tetrachloroethene | Kg year | 500 | | 0 | |
| Toluene diamine | Kg year | 500 | | 0 | |
| 1,1,1-trichloroethane | Kg year | 500 | | 0 | |
| Trichloroethylene | Kg year | 500 | | 0 | |
| Trichlorotoluene | Kg year | 500 | | 0 | |
| Trimethylbenzene | Kg year | 500 | | 0 | |
| Xylene | Kg year | 500 | | 0 | |
| | | | | | |
| | | | | | |
| Other VOCs specify | | | | | |
| | Kg year | 1000 | | 0 | |
| | Kg year | 1000 | | 0 | |
| | Kg year | 1000 | | 0 | |
| | Kg year | 1000 | | 0 | |
| | Kg year | 1000 | | 0 | |
| Inorganics | | | | | |
| Fluorine | Kg year | 10 | | 0 | |
| Chlorine | Kg year | 10 | | 0 | |
| Bromine | Kg year | 10 | | 0 | |
| Iodine | Kg year | 10 | | 0 | |
| Hydrogen Fluoride | Kg year | 10 | | 0 | |
| Hydrogen Bromide | Kg year | 10 | | 0 | |
| Hydrogen Iodide | Kg year | 10 | | 0 | |
| Hydrogen Chloride | Kg year | 1000 | | 0 | |
| Hydrogen Sulphide | Kg year | 10 | | 0 | |
| Ammonia | Kg year | 100 | | 0 | |
| Carbon Disulphide | Kg year | 100 | | 0 | |
| Particulates | Kg year | 100 | | 0 | |
| | | | | | |
| Other inorganic compounds specify | | | | | |
| Table A1 Substances | Kg year | 0.1 | | 0 | |
| Table A2 Substances | Kg year | 1 | | 0 | |
| Table A3 Substances | Kg year | 10 | | 0 | |
| Table A4 Substances | Kg year | 100 | | 0 | |
| Table A5 Substances | Kg year | 1000 | | 0 | |
| Commercial in Confidence | | | | | |
| If you need to use these entries please contact your local EA office | | | | | |
| | | | | 0 | |
| | | | | 0 | |
| | | | | 0 | |
| | | | | 0 | |
| | | | Total | 0 | |

Emissions Attribute - Releases to Water

| | | |
|--------------------|------------------------|------------------------------------------------------------------------------|
| Organisation Name: | Cott Beverages Limited | Please check that the data is entered in the correct units. |
| Case Number: | 0 | The Emission Index will only show if the data entered exceeds the threshold. |

Please tick box if this
sheet is applicable ☒

| Substance | Units | Emission Threshold | Maximum Quantity | Emission Index | Notes |
|-----------|-------|-----------------------|---------------------|-------------------|-------|
| | | | | | |

Emissions Attribute Releases to Land

Organisation Name: btt Beverages Limited
Case Number: 0

Please check that the data is entered in the correct units.
 The Emission Index will only show if the data entered exceeds the threshold.

Please tick box if this
 sheet is applicable ☐

| Substance/Landfill Type | Units | Emission Threshold | Maximum Quantity | Emission Index | Notes |
|-----------------------------------------|-------------|--------------------|------------------|----------------|-------|
| Inert waste | Tonnes year | 1000 | | 0 | |
| Non hazardous waste (non biodegradable) | Tonnes year | 350 | | 0 | |
| Hazardous waste | Tonnes year | 100 | | 0 | |
| Non hazardous waste (biodegradable) | Tonnes year | 100 | | 0 | |
| | | | | | |
| | | | Total | 0 | |

Emissions Attribute - Off-site Disposals to Sewer

| | | |
|---------------------------|------------------------|------------------------------------------------------------------------------|
| Organisation Name: | Cott Beverages Limited | Please check that the data is entered in the correct units. |
| Case number: | 0 | The Emission Index will only show if the data entered exceeds the threshold. |

Please tick box if this sheet is applicable ☒

| Substance | Units | Emission Threshold | Maximum Quantity | Emission Index | Notes |
|------------------------|---------|--------------------|------------------|----------------|---------------------------------------------------------------------|
| Chemical Oxygen Demand | Kg year | 10000 | 912500 | 91 | Based on discharge consent limits so represents worst case scenario |
| Suspended Solids | Kg year | 10000 | 73000 | 7 | |

Emissions Attribute - Off-site Disposals of Waste

Organisation Name: btt Beverages Limited

Case Number: 0

Please check that the data is entered in the correct units.

The Emission Index will only show if the data entered exceeds the threshold.

| Substance | Units | Emission Threshold | Maximum Quantity | Emission Index | Notes |
|-----------------------------------------|-------------|--------------------|------------------|----------------|-----------------------------------------------|
| Inert waste | Tonnes year | 1000 | | 0 | |
| Non hazardous waste (non biodegradable) | Tonnes year | 350 | | 0 | |
| Hazardous waste | Tonnes year | 100 | | 0 | |
| Non hazardous waste (biodegradable) | Tonnes year | 100 | 191.68 | 2 | Disposal of General Waste (from 2014 figures) |
| | | Total | | 2 | |
| | | Weighting Factor | | | (Weighting factor = 0.33) |
| | | Weighted Total | | 1 | |

Emissions Attribute - Off-site Recovery, Recycling, Re-use of Waste

Company: btt Beverages Limited

Permit: 0

Please check that the data is entered in the correct units.

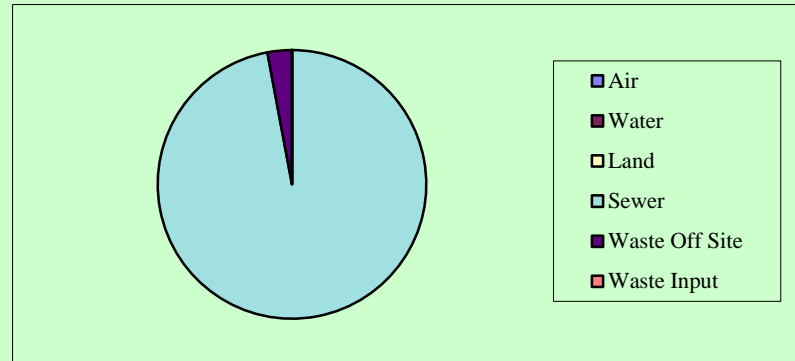
The Emission Index will only show if the data entered exceeds the threshold.

| Substance | Units | Emission Threshold | Maximum Quantity | Emission Index | Notes |
|-----------------------------------------|-------------|--------------------|------------------|----------------|--------------------------|
| Inert waste | Tonnes year | 1000 | | 0 | |
| Non hazardous waste (non biodegradable) | Tonnes year | 350 | | 0 | |
| Hazardous waste | Tonnes year | 100 | | 0 | |
| Non hazardous waste (biodegradable) | Tonnes year | 100 | | 0 | |
| | | Total | | 0 | |
| | | Weighting Factor | | | (Weighting factor = 0.1) |
| | | Weighted Total | | 0 | |
| Off-Site Total | | | | 1 | |

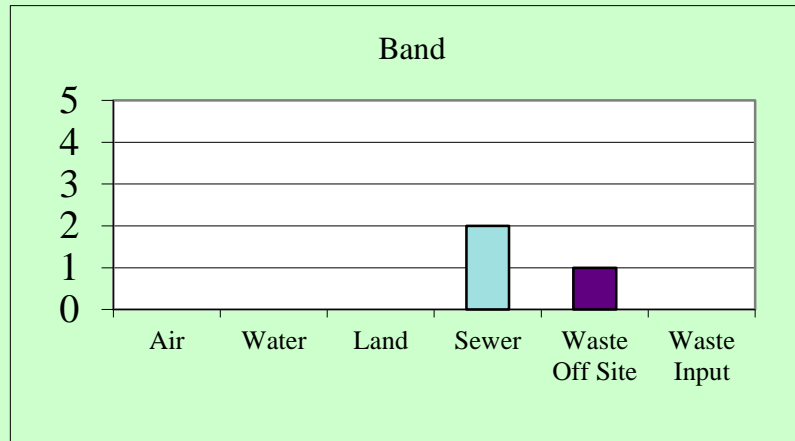
Emissions Attribute Summary Sheet

| | |
|----------------------|------------------------|
| Organisation: | Cott Beverages Limited |
| Case Number: | 0 |

| Pathway | Overall Emission Index |
|----------------|------------------------|
| Air | 0 |
| Water | 0 |
| Land | 0 |
| Sewer | 33 |
| Waste Off Site | 1 |
| Waste Input | 0 |



| Pathway | Band | |
|----------------|------|---|
| Air | 0 | - |
| Water | 0 | - |
| Land | 0 | - |
| Sewer | 2 | B |
| Waste Off Site | 1 | A |
| Waste Input | 0 | - |

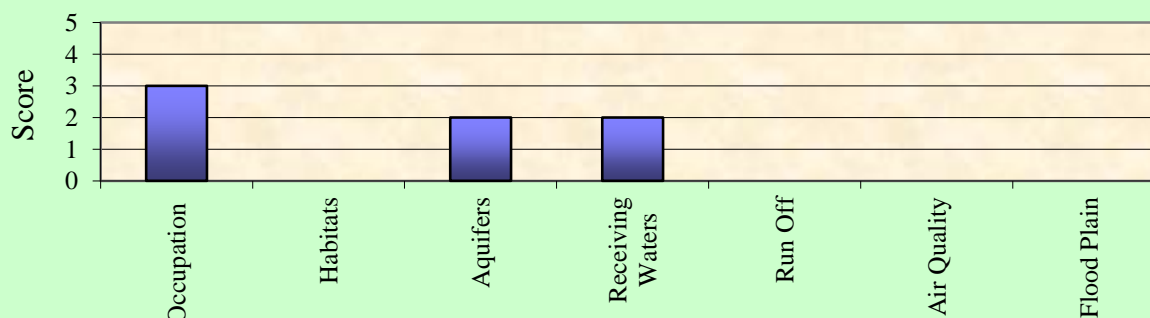


Location Attribute

| | | | |
|---------------------------|------------------------|--|--|
| Organisation Name: | Cott Beverages Limited | | |
| Case Number: | 0 | | |

| Parameter | Yes/No | Available | Score |
|-------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------|----------|
| Human Occupation/Presence: | | | |
| a) if within 50m of the boundary | <input type="text" value="No"/> | 5 | 3 |
| or: | | | |
| b) if greater than 50m but less than 250m of boundary | <input type="text" value="Yes"/> | 3 | |
| or: | | | |
| c) if greater than 250m but less than 1km of boundary | <input type="text" value="No"/> | 1 | |
| Statutory sites designated under Habitats Directive or CROW Act 2000: | | | |
| a) if "relevant" under Habitats Directive | <input type="text" value="No"/> | 3 | 0 |
| or | | | |
| b) if CROW Act 2000 assessment required | <input type="text" value="No"/> | 2 | |
| a) if on an aquifer and within a Groundwater Protection Zone | <input type="text" value="Yes"/> | 2 | 2 |
| or | | | |
| b) if on an aquifer and not within a Groundwater Protection Zone | <input type="text" value="No"/> | 1 | |
| Sensitivity of receiving waters (information available from Agency's "What's in your backyard" webpages), if: | | | |
| a) grade 5 | <input type="text" value="No"/> | 1 | 2 |
| b) river category grade 4 or 3 | <input type="text" value="Yes"/> | 2 | |
| c) river category grade 2 or 1 or estuarine | <input type="text" value="No"/> | 3 | |
| a) If there is direct runoff from the site without interceptors or other active control measures | <input type="text" value="No"/> | 2 | 0 |
| or | | | |
| b) If as above but there are interceptors or active control measures | <input type="text" value="No"/> | 1 | |
| a) If within an Air Quality Management Zone (AQMZ) and emit pollutant that has been declared for that AQMZ | <input type="text" value="No"/> | 3 | 0 |
| or | | | |
| b) If within 2km of an Air Quality Management Zone (AQMZ) and emit pollutant that has been declared for that AQMZ | <input type="text" value="No"/> | 2 | |
| or | | | |
| c) as a) except do not emit pollutants that have be declared for the AQMZ | <input type="text" value="No"/> | 1 | |
| If within a flood plain | <input type="text" value="No"/> | 2 | 0 |
| Maximum Score = 20 | Total | | 7 |
| Band A = 0 - 4, B = 5 - 8, C = 9 - 12, D = 13 - 17 and E = 18 - 20 | Band | | B |

Location Attribute Profile



Operator Performance

| | | Yes/No | Points available | Points scored | Post or group responsible for each requirement | Document reference (*) or date by which systems will be in place (*see para 4.4.2) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------|---------------|------------------------------------------------|------------------------------------------------------------------------------------|
| Operations and Maintenance section - 20% | | | | | | |
| Effective operational and prev maintenance systems shall be employed on all aspects of the process where any failure could impact on the environment. | | | | | | |
| 1 | Are there documented operating procedures for operations that may have an adverse impact on the environment? | Yes | 2.0 | 2.0 | | EMS |
| 2 | Is there a defined procedure for identifying, reviewing and prioritising items of plant for which a preventative maintenance regime is appropriate? | Yes | 2.0 | 2.0 | | EMS |
| 3 | Are there documented procedures for monitoring emissions or impacts? | Yes | 2.0 | 2.0 | | EMS |
| 4 | Is there a preventative maintenance programme for those items of plant whose failure could lead to impact on the environment? | Yes | 1.0 | 1.0 | | EMS |
| 5 | Does the preventative maintenance programme include regular checks and formal inspections of 'static' items such as tanks, pipework, retaining walls, bunds and ducts? | Yes | 1.0 | 1.0 | | EMS |
| 6 | Do the operations and maintenance systems include auditing environmental performance? | Yes | 2.0 | 2.0 | | EMS |
| 7 | Are the reports, results and recommendations arising from audits made available to senior management on a regular basis? | Yes | 2.0 | 2.0 | | EMS |
| 8 | In the last two years, has there been any notifiable incident or release for which lack of maintenance was a contributory cause ? | No | -2.0 | 0.0 | | |
| 9 | In the last two years, has there been any notifiable incident or release for which the root cause could not be identified? | No | -3.0 | 0.0 | | |
| Operations and Maintenance Total | | | 12.0 | 12.0 | 100.0% | 2.0 |
| Competence and Training - 20% | | | | | | |
| The Operator shall ensure that all relevant management and operational staff (including contractors and those responsible for purchasing equipment and materials) receive adequate training with regard to their responsibilities under the Permit. Particular attention should be given to the following: | | | | | | |
| <input type="checkbox"/> Minimisation of all potential environmental effects from operation under normal, abnormal, start up and shut down circumstances; <input type="checkbox"/> Prevention of accidental emissions and action to be taken when accidental emissions occur; and <input type="checkbox"/> The need to report deviation from the permit. | | | | | | |
| 1 | Has a training needs assessment been carried out which: <input type="checkbox"/> Identifies all posts for which specific environmental awareness training is required; and <input type="checkbox"/> Identifies the scope and level to which such training is to be given? | Yes | 3.0 | 3.0 | | EMS |
| 2 | Are training systems in place for all relevant staff that cover the following factors: <input type="checkbox"/> the regulatory requirements associated with the Permit as they affect their work activities and responsibilities; <input type="checkbox"/> likely potential environmental impacts which may be caused by plant under their control. This should cover both normal and abnormal circumstances; <input type="checkbox"/> reporting procedures to inform supervisors or managers of deviations from permit conditions; <input type="checkbox"/> procedures to be used by supervisors or managers and for the reporting of deviations from permit conditions to the Agency; and | Yes | 2.0 | 2.0 | | EMS |
| | | Yes | 2.0 | 2.0 | | EMS |
| | | Yes | 1.0 | 1.0 | | EMS |
| | | Yes | 2.0 | 2.0 | | EMS |
| 13 of 20 | prevention of accidental emissions and action to be taken when accidental emissions occur? | Yes | 2.0 | 2.0 | | EMS 11/04/2017 |

Operator Performance

| | | Yes/No | Points available | Points scored | Post or group responsible for each requirement | Document reference (*) or date by which systems will be in place (*see para 4.4.2) |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------|---------------|------------------------------------------------|------------------------------------------------------------------------------------|
| 3 | Are the skills and competencies necessary for key posts documented and are records of training needs and training received maintained? | Yes | 1.0 | 1.0 | | EMS |
| 4 | Do the key posts include contractors, those responsible for liaising with contractors and those purchasing equipment and materials? | Yes | 1.0 | 1.0 | | EMS |
| 5 | Do you assess the potential environmental risks posed by the work of contractors and provide instructions to contractors about protecting the environment while working on site? | Yes | 1.0 | 1.0 | | EMS |
| 6 | In the last 2 years, have there been any notifiable incidents or releases, which it has been identified that lack of training was a contributory cause ? | No | -2.0 | 0.0 | | |
| 7 | Are there industry standards for training in this sector (e.g. WAMITAB) and if so do you apply them? (If no industry standards please leave blank) | | -2.0 | 0.0 | | |
| 8 | Are individual and organisational training needs reviewed on a regular (e.g. annual) basis? | Yes | 2.0 | 2.0 | | EMS |
| Competance Training Total | | | 17.0 | 17.0 | | |

Emergency planning - 20%

| | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------|-------------|--|------------|
| <p>The Operator shall maintain an accident management plan which identifies potential events or failures which might lead to an environmental impact. The plan shall identify:</p> <ul style="list-style-type: none"> <input type="checkbox"/> the likelihood of, and the actions to be taken to minimise, these potential occurrences; <input type="checkbox"/> the environmental consequences and an action plan to deal with such occurrences; <input type="checkbox"/> The Operator shall have a written procedure for handling, investigating, communicating and reporting of incidents and actual or potential non-compliance with permit conditions including taking action to mitigate any impacts caused and for initiating and completing corrective action. <input type="checkbox"/> In the case of abnormal emissions the operator shall; <ul style="list-style-type: none"> <input type="checkbox"/> investigate and undertake remedial action immediately; <input type="checkbox"/> promptly record the events and actions taken; and <input type="checkbox"/> ensure the Regulator is made aware, as soon as practicable. | | | | | | |
| 1 | Is there an accident plan that complies with guidance covering the following aspects of foreseeable scenarios: likelihood, consequences, actions to prevent, action to take in the event it occurs? | Yes | 4.0 | 4.0 | | EMS |
| 2 | Has the plan identified areas where improvement is needed? | Yes | 1.0 | 1.0 | | |
| 3 | Where improvement has been identified, does the plan include an implementation programme with acceptable timescales to the Agency? If not, 2 points will be deducted. | Yes | -2.0 | 0.0 | | |
| 4 | Are there written procedures for handling, investigating, communicating and reporting actual or potential non compliance with operating procedures or emission limits? | Yes | 1.0 | 1.0 | | |
| 5 | Are there written procedures for handling, investigating, communicating and reporting environmental complaints? | No | 1.0 | 0.0 | | |
| 6 | Are there written procedures for investigating incidents, (and near-misses) including identifying suitable corrective action and following up implementation of that action? | Yes | 2.0 | 2.0 | | |
| 7 | In the last 2 years, have there been any notifiable incidents or releases for which it has been identified that lack of emergency planning was a contributory cause ? | No | -2.0 | 0.0 | | |
| 8 | Are there audit records of investigations into non compliance, complaints and incidents? Does the audit cover follow up actions? Do the audit reports go to senior managers? | Yes | 3.0 | 3.0 | | 11/04/2017 |
| Emergency planning Total | | | 12.0 | 11.0 | | |

Operator Performance

| | | Yes/No | Points available | Points scored | Post or group responsible for each requirement | Document reference (*) or date by which systems will be in place (*see para 4.4.2) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------|---------------|------------------------------------------------|------------------------------------------------------------------------------------|
| Organisation - 40% | | | | | | |
| The following aspects of site management procedures and controls may not be in the permit conditions but are likely to have an impact on the Agency resources required to apply the Env Permitting Regulations. | | | | | | |
| 1 | Do you operate an externally audited environment management system, if so answer one of the following questions. N.B Please enter your Certificate Number, Name of certification body and their UKAS Registration Number in the space for document reference. | | | | | |
| 1.1 | Is your Environmental Management System EMAS registered? If yes select Y and go to question 4. | No | 20 | 0 | | |
| 1.2 | Is your Environmental Management System certified to ISO 14001? If yes enter Y and go to questions 3 and 4. | Yes | 15 | 15 | RH - CHECK IF IT'S UKAS ACCREDITED | |
| 1.3 | Is your system an Environmental Mangement System subject to external audit through a third party audit programme with a published methodology (excludes in-house company audit programme). If yes enter and go to questions 3 and 4. | | 12 | 0 | | |
| Sub Total | | | Max 20 | 15.00 | | |
| 2 | If you do not operate an externally audited environmental management system then assess your system against the criteria below: | | | | | |
| 2.1 | Has your company adopted an environmental policy and programme which : | | | | | |
| | <input type="checkbox"/> includes a commitment to continual improvement and prevention of pollution? | | 1.0 | 0.0 | | |
| | <input type="checkbox"/> includes a commitment to comply with relevant legislation, and with other requirements that the organisation subscribes to? | | 1.0 | 0.0 | | |
| | <input type="checkbox"/> identifies, sets, monitors and reviews environmental objectives, independently of the permit? | | 1.0 | 0.0 | | |
| 2.2 | Are there procedures that incorporate environmental issues into the following areas (as supported by demonstrable evidence e.g. written procedures): | | | | | |
| | <input type="checkbox"/> the control of process change on the installation; | | 1.0 | 0.0 | | |
| | <input type="checkbox"/> design and review of new facilities (including provision for their decommissioning), engineering and other capital | | 1.0 | 0.0 | | |
| | <input type="checkbox"/> capital approval; | | 1.0 | 0.0 | | |
| | <input type="checkbox"/> purchasing policy; | | 1.0 | 0.0 | | |
| 2.3 | Are there audits, at least annually, to check that all activities are being carried out in conformity with the above requirements? | | 1.0 | 0.0 | | |
| 2.4 | Are they independent? (name the auditing body) | | 2.0 | 0.0 | | |
| 2.5 | Are there reports annually on environmental performance, objectives and targets, future planned improvements and or facilitate (participate in) local community liaison meetings? | | 1.0 | 0.0 | | |
| 3 | Does your company produce a public environmental statement? You may score in this box for ISO 14001 and industry systems but not for EMAS as this is a requiremen for EMAS. | Yes | 1.0 | 1.0 | | |
| 4 | Within the past 5 years have you failed to meet an improvement condition either set by the Agency in a Permit or Variation by the due date, without prior agreement? (minus 2 for each failure). ADD NUMBER OF FAILURES NOT Y OR N | 0 | -2.0 | 0.0 | | |
| Organisational Totals | | | 20.0 | 16.00 | | |

Enforcement History (0 to -40% weighting)

15 of 20

Notice etc

Date Issued

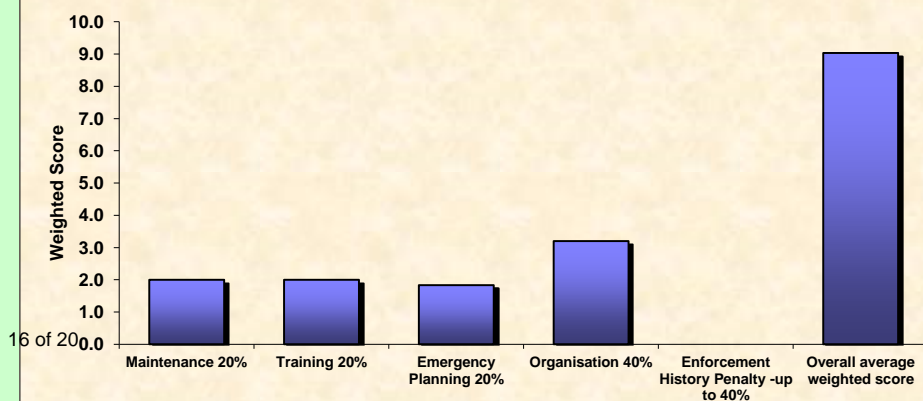
11/04/2017
Date Spent

Operator Performance

| | | Yes/No | Points available | Points scored | Post or group responsible for each requirement | Document reference (*) or date by which systems will be in place (*see para 4.4.2) |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------|---------------|------------------------------------------------|------------------------------------------------------------------------------------|
| 1 | Enforcement , Improvement, Works, Compliance or Restoration Notices issued in the past year by the Environment Agency under any legislation, by the Health and Safety Executive relevant to the COMAH Regulations or by local authorities under Part I of the Environmental Protection Act 1990 or relevant notice or Abatement Notices issued by local authorities or magistrates courts under Part III of the Environmental Protection Act 1990 | 0 | None 0 1st - 5 2nd -10 3rd or more -40 | | | |
| 2 | Formal cautions, Enforcement Undertakings or Fixed Monetary Penalties issued by the Environment Agency in respect of offences under any legislation in the last 3 years. | 0 | None 0 1st - 5 2nd -10 3rd or more -40 | | | |
| 3 | Prohibition, Stop, Suspension or Revocation Notices issued by the Environment Agency under any legislation, by the Health and Safety Executive relevant to the COMAH Regulations or by local authorities under Part I of the Environmental Protection Act 1990 in the last 3 years | 0 | None 0 1st - 10 2nd or more -40 | | | |
| 4 | Convictions on prosecutions brought by the Environment Agency under any legislation, by the Health and Safety Executive relevant to the COMAH regulations or by local authorities (in respect of offences under Parts I or III of the Environmental Protection Act 1990) in last 5 years (10 years where imprisonment was imposed). Or any Variable Monetary Penalty. [NB each individual offence counts separately]. | 0 | None 0 1st - 15 2nd or more -40 | | | |

| Enforcement History Total | | | | | Score |
|--------------------------------------------|---------|-------|--------|--|----------|
| | Entered | Spent | Extant | | |
| 1 Enforcement etc Notices | 0 | 0 | 0 | | |
| 2 Formal Cautions etc | 0 | 0 | 0 | | |
| 3 Prohibition etc Notices | 0 | 0 | 0 | | |
| 4 Convictions on Prosecutions etc | 0 | 0 | 0 | | 0 |
| Enforcement History Total (min -40) | | | | | 0 |

Management Performance



Operator Performance

| | | Yes/No | Points available | Points scored | Post or group responsible for each requirement | Document reference (*) or date by which systems will be in place (*see para 4.4.2) |
|--|--|--------|------------------|---------------|------------------------------------------------|------------------------------------------------------------------------------------|
|--|--|--------|------------------|---------------|------------------------------------------------|------------------------------------------------------------------------------------|

Band E= less than 2
D= 2 to 3.99, C= 4 to 5.99, B= 6 to 7.99 , A= 8 to 11

BAND=

A

Company : Cott Beverages Limited

Permit: 0

Data calculations generating the above graph

| Summary | Max | Score from above | Normalised to scale out of 10 | Weighting | Weighted score |
|----------------------------------------|---------------|------------------|-------------------------------|-----------|----------------|
| Maintenance 20% | 12.00 | 12.00 | 10.00 | 20.00 | 2.0 |
| Training 20% | 17.00 | 17.00 | 10.00 | 20.00 | 2.0 |
| Emergency Planning 20% | 12.00 | 11.00 | 9.17 | 20.00 | 1.8 |
| Organisation 40% | 20.00 | 16.00 | 8.00 | 40.00 | 3.2 |
| Enforcement History Penalty -up to 40% | -40.00 | 0.00 | 0.00 | 40.00 | 0.0 |
| Overall average weighted score | | | | | 9.0 |

Opra Banded Profile

| | |
|---------------------------|------------------------|
| Organisation Name: | Cott Beverages Limited |
| Case Number: | 0 |

| Attribute | | Profile before any rules or capping applied | | Opra Banded Profile used for charging | |
|-----------------------------|----------------|---------------------------------------------|------|---------------------------------------|------|
| | | Number | Band | Number | Band |
| Complexity | | 0 | A | 0 | A |
| | | 1 | B | 1 | B |
| | | 0 | C | 0 | C |
| | | 0 | D | 0 | D |
| | | 0 | E | 0 | E |
| Emissions | Air | | - | | - |
| | Water | | - | | - |
| | Land | | - | | - |
| | Sewer | | B | | B |
| | Waste Off Site | | A | | A |
| | Waste Input | | - | | - |
| Location | | | B | | B |
| Operator Performance | | | A | | A |

Organisation Name: Cott Beverages Limited Case Number: 0

EPR Installations Application Charge Calculation

(excludes Compliance Rating)

Scoring Summary - Financial



| Attribute | Band | Score | Total Score |
|-----------------------------|------|-------|-------------|
| Complexity | A | 0 | 2 |
| | B | 1 | 15 |
| | C | 0 | 45 |
| | D | 0 | 82 |
| | E | 0 | 110 |
| Emissions to Air | - | | 0 |
| Emissions to Water | - | | 0 |
| Emissions to Land | - | | 0 |
| Emissions to Sewer | B | | 2 |
| Emissions to Off-site Waste | A | | 1 |
| Emissions - Waste Input | - | | 0 |
| Location | B | | 10 |
| Operator Performance | A | | 10 |
| Total Opra charging score | | | 38.00 |

Indicative Fees & Charges

☒ England ☐ Wales

| | | |
|-----------------------|---|----------|
| Application Fee | £ | 7,638.00 |
| Subsistence Charge* | £ | 3,724.00 |
| Substantial Variation | £ | 4,180.00 |
| Standard Variation | £ | 2,128.00 |
| Partial Surrender | £ | 3,648.00 |
| Full Surrender | £ | 4,712.00 |
| Closure | £ | - |

Part A(2) and Part B Activities

Please ensure that you have completed these entries in the Listed Activities sheet. The charge shown will not include any charges associated with Local Authority Part A (2) or Part B activities that form part of the installation. Refer to Installations Charging Scheme for further details.

| Opra Charge Multipliers | |
|-------------------------|-----|
| Application | 201 |
| Subsistence | 98 |
| Substantial Variation | 110 |
| Standard Variation | 56 |
| Partial Surrender | 96 |
| Full Surrender | 124 |
| Closure (Landfill only) | |

* Does not take into account Compliance Rating

Compliance Rating

| Breach Category* | Events | Score per event | Total |
|------------------|--------|-------------------------|----------|
| 1 | 0 | 60 | 0 |
| 2 | 0 | 31 | 0 |
| 3 | 0 | 4 | 0 |
| 4 | 0 | 0.1 | 0 |
| | | | |
| | | Compliance Index | 0 |

Compliance Rating Band

A

Compliance Rating Multiplier

95%

* Under Compliance Classification Scheme (CCS)

Opra Score

| | |
|-----------------------------|-------------|
| Without Compliance Rating | 38 |
| Including Compliance Rating | 36.1 |

| | | |
|-------------------------|---|-----------------|
| Subsistence Fee: | £ | 3,537.80 |
|-------------------------|---|-----------------|



APPENDIX 3

H1 Assessment

H1

Introduction



Welcome to the H1 Software

Version 2.7.2- CONSULTATION VERSION - October 201

If you find the screen fonts in the H1Tool too small to read you can use the Windows zoom feature at any time to magnify the screen by holding down the 'Windows' key and '+' key. To cancel the feature hold down the 'Windows' key and 'Esc' key.

This version of the tool accompanies the Horizontal Guidance Note H1 and the eleven supporting technical annexes.

Important Notes:

With the exception of Annex I (Landfill) and Annex J (Groundwater) this software tool can be used to complete risk assessments within the technical annexes which support H1. However, further information may need to be provided in the following areas:

- detailed assessment of fate and effects, where required
- decision-making trails for the comparison and ranking of options

This software provides a general structure for assessing costs and environmental impacts. You may need to decide the best way to apply this structure to fit the nature and pattern of your operation, in particular:

- where load is variable, such as seasonal or demand-led operations
- where a number of processes are conducted at the same time, such as integrated operations
- where a number of products are made, with possible differences in unit operations and release points employed
- where fugitive or potential emergency releases are of particular interest

Information in this database will be used to determine your EPR permit, therefore to get the most from this software tool, you should:

- read the H1 Overview document, to understand the basic principles, module structure and methods
- use the HELP boxes and refer to the H1 guidance as you progress to ensure that the data you input is representative and accurate
- use the comments boxes to clarify assumptions and data sources

This software will also output annual emissions data to an OPRA profile(s), which you can select on the Summary Tables page.

Some basic instructions for using the software tool are provided on our web site at:
<http://environment-agency.resultspage.com/search?p=Qts=ev2w=H1>

[Related pages on our web site including annexes](#)

Facility Reference Information

Please complete the following information:

Company Name: Cott Beverages Limited

Location: Spectrum Industrial Estate, Wrexham, Wales, LL13 9QA

Permit Number:

If you have data already stored in a previous version of the H1 software you may import it by pressing the button to the right.

Import Utility

Please note that before the import can take place any data that already exists in this copy of the tool will be removed. Please also note that any 'Operating Mode' information you had entered in your Air and Water inventories will defer to the default of 100% on data import

NOTE ON MICROSOFT ACCESS SECURITY WARNING

Depending on your security settings, you may get a security notice appearing each time the import routine connects to a table in your source database. You need to click 'Open' on this message for the Import routine to be successful. There are 18 tables to connect to in total but if you place your cursor over the 'Open' button you will be able to repeatedly click your mouse to make this process execute quickly and without too much frustration. We apologise for this inconvenience but it is an aspect of Microsoft Security provisions that are beyond our control.

Step 1

Introduction to Step 1

Step 1: Describe the Scope and Options

The aim of this step is to:

- state the OBJECTIVES of the assessment
- in the case of ENVIRONMENTAL ASSESSMENT of the whole facility, describe the scope of the activities to be included in the assessment;
- in the case of OPTIONS APPRAISALS, identify candidate options for BAT by considering all relevant techniques to prevent and minimise pollution and the scope of activities covered by the techniques.

Depending on the reason for the assessment, you will need to complete different modules of the guidance. The software will automatically select the required modules according to the responses you enter.

NOTE: If you are going to complete more than one assessment or appraisal, make sure that you create a copy of the H1 file for each new assessment BEFORE you begin to input data. This is because Microsoft Access automatically saves changes to the current file you are using, rather than allowing you to save your changes at the end of your work.

TO CONTINUE WITH STEP 1, PRESS "NEXT".

Describe the Objectives

Depending on the reason for the assessment you will need to complete different parts of the tool.

Select the type of assessment:

- ☒ a) to carry out an ENVIRONMENTAL ASSESSMENT of the releases resulting from the facility as a whole Do Steps 1, 2 and 3 only
- ☐ b) to conduct a costs/benefits OPTIONS APPRAISAL to determine BAT or support the case for derogation under the Industrial Emission Directive. Do Steps 1,2, 3 and 4 and continue with 5 and 6 if necessary

1.1 Briefly summarise the objectives and reason for the assessment in terms of the main environmental impacts or emissions to be controlled:

To assess the environmental impact of the releases from the Cott Beverage Drink and Freezables Manufacturing Facility as a result of proposed changes to the gas fired boilers

Scope of Environmental Assessment

List the activities included in the assessment

Number Activity

Use the 'Add' button at the bottom left to create a new activity

| | |
|---|-----------------------------------------------------------------------------------------------------------------------------------|
| 1 | Treating and processing vegetable raw materials with a finished product production capacity greater than 300 tonnes per day or 60 |
| 2 | Storage and handling of raw materials/ingredients |
| 3 | Storage of chemicals, and fuel (LPG) |
| 4 | Generation of steam for the pasteurisation process (in 2 boilers; 1 x 1.2 MW and 1 x 5 MW thermal input) |
| 5 | Waste storage and handling |
| 6 | Discharge of effluent to sewer, and clean run-off to the River Dee |

Comments

Describe the Candidate Options

Identify all reasonably applicable options of techniques

You should include:

- a) a brief description of individual control measures or configurations of control measures selected for each option, and the activities with which they are associated (the existing base-case may conveniently be the first option).
- b) justification why any techniques generally applicable to the regulated facility have not been selected for assessment. (see relevant H1 annex) (This should be based on regulated facility-specific technical, not economic reasons).
- c) for new projects, whether any initial environmental assessment that was done at the project evaluation stage, or any screening of technology or process routes prior to this assessment, particularly where this has a bearing on environmental performance. (see H1)

In the case of b) or c)
please enter your Comments here:

The assessment is to look at the impact of releases from the Facility as a result of planned changes to the boilers

| Option Number | Title | Description |
|------------------|-------|-------------|
|------------------|-------|-------------|

| | | |
|---|-----------|---------------------------------------------------|
| 1 | Base-Case | At the point of seeking a variation to the Permit |
|---|-----------|---------------------------------------------------|

Once a series of options have been generated for the proposed project, it is recommended that the Operator discuss these with the local Regulator to check both parties agree that the options are satisfactory. This may save the Operator from spending resources on assessment of options which are unlikely to meet the required environmental performance.

List the main activity or activities to which the release control options are applicable and any other activities that will be affected by the candidate control option on the main activity:

Introduction to Step 2

Step 2: Emissions Inventory

The aim of this Step is to produce an inventory of sources and releases of polluting substances from each option. This is used as the basis for the subsequent evaluation of environmental impacts.

For this Step you will require information on:

- release points and sources of emissions to air, water (inc. sewer) or land
- concentration and mass rate of released substances
- frequency and duration of releases and how these relate to long term and short term effects

IMPORTANT NOTES

- you may need to consider a suitable method for assessment of groups of pollutants, such as VOCs, heavy metals, uncharacterised liquid effluents, etc (see "Grouping air emissions" in Annex F).

TO CONTINUE WITH STEP 2, PRESS "NEXT".

Air Release Points

Please define your Release Points for Releases to Air

Are there any Air emissions?

Yes

| Number | Description | Location or Grid Reference | Activity or Activities | Effective Height metres | Efflux Velocity m/s | Total Flow m3/hr |
|--------|------------------------|-------------------------------|------------------------------------|-------------------------------|------------------------|---------------------|
| 1 | A1 - Boiler 1 (1.2 MW) | | heat to the pasteurisation process | 0 | 1.87 | 575.83 |
| 2 | A2 - Boiler 2 (5MW) | | heat to the pasteurisation process | 0 | 13 | 7524 |

Comments

Based on gas consumption for 2014 of 8.234 GWh (A1)
A2 flow and efflux velocity based on flow rate provided by Byworth Boilers of 2.09Am3/s.
The stacks are less than 3 m above the building in which they are located so effective height is 0 (in accordance with H1 Annex F)

Air Emissions Inventory

Please list all Substances released to Air for each Release Point identified in the previous page.

| Number | Substance | Meas'ment Method | Operating Mode (% of | Data relating to Long Term effects | | | Data relating to Short Term effect | | | Annual Rate tonne/yr | ELV Conc. mg/m3 |
|--------|------------------|---------------------|----------------------------|------------------------------------|-----------------|--------------------|------------------------------------|-----------------|--------------------|----------------------------|-----------------------|
| | | | | Conc. | Release Rate | Meas'ment Basis | Conc. | Release Rate | Meas'ment Basis | | |
| | | | | mg/m3 | g/s | | mg/m3 | g/s | | | |
| 1 | Nitrogen Dioxide | Periodic* | 100.0% | 100.0 | 0.015995 | Estimated | 50.0 | 0.007998 | Estimated | 0.5044 | 100.00 |
| 2 | Carbon monoxide | Periodic* | 100.0% | 100.0 | 0.015995 | Estimated | 100.0 | 0.015995 | Estimated | 0.5044 | 100.00 |

Measurement method: * provide detail in comments box

Comments: Short term data assumed to be the same as long term; note that LT NO2 concentratoin taken as being 100% of the NOx emission and ST NO2 concentrations taken as 50% of LT NO2 concentrations.

Air Emissions Inventory

Please list all Substances released to Air for each Release Point identified in the previous page.

| Number | Substance | Meas'ment Method | Operating Mode (% of | Data relating to Long Term effects | | | Data relating to Short Term effect | | | Annual Rate tonne/yr | ELV Conc. mg/m3 |
|--------|------------------|---------------------|----------------------------|------------------------------------|-----------------|--------------------|------------------------------------|-----------------|--------------------|----------------------------|-----------------------|
| | | | | Conc. | Release Rate | Meas'ment Basis | Conc. | Release Rate | Meas'ment Basis | | |
| | | | | mg/m3 | g/s | | mg/m3 | g/s | | | |
| 1 | Nitrogen Dioxide | Periodic* | 100.0% | 100.0 | 0.209000 | Estimated | 50.0 | 0.104500 | Estimated | 6.5910 | 100.00 |
| 2 | Carbon monoxide | Periodic* | 100.0% | 100.0 | 0.209000 | Estimated | 100.0 | 0.209000 | Estimated | 6.5910 | 100.00 |

Measurement method: * provide detail in comments box

Comments: Short term data assumed to be the same as long term; note that LT NO2 concentratoin taken as being 100% of the NOx emission and ST NO2 concentrations taken as 50% of LT NO2 concentrations.

Receiving Water Body(s)

Please define the Final Discharge Locations for Releases to Water

Are there any discharges to surface waters?

Yes

Use the 'Add' button below to list all final discharge points.

For discharges to sewer, this should be the point where the sewage works discharges to a surface water

N.B. For Riverine discharges (River, Upper Estuary) you only need enter the River description and flow once. Further details of individual releases can be entered on the next page. For discharges to TRaC waters, separate Discharge Locations must be added for each release point that has a different mixing zone

Number

Description

Final Discharge Category

Freshwater Q95 flow rate

1

S1 River Dee

R

River Flow (m3/s):

6.23

Water Discharge/Release Details and Flow Data

Please define your Release Points for Releases to Water

| Number | Description | Location or Grid Reference | Activity or Activities | Final Discharge Point | Discharge via Sewer? | Mean Effluent Flow Rate* | Max Effluent Flow Rate* |
|--------|-------------|-------------------------------|------------------------------|-----------------------|-------------------------|-----------------------------|----------------------------|
| | | | | | | m3/s | m3/s |
| 1 | W1 | Discharge from ETP into River | from site via Five Fords ETP | 1 S1 River Dee | Yes | 0.0083 | 0.0083 |

Comments

River Dee flow rate in previous tab taken from National River Flow Archive
(<http://www.ceh.ac.uk/data/nrfa/data/meanflow.html?67015>)

* When operating

Energy Consumption

Please list all Energy Sources and Annual Consumption

Select energy sources by Clicking on 'Add' and using the pull-down list.

| Number | Energy Sources | | Delivered MWh/yr | Conversion Factor | Primary MWh/yr | CO2 Factor | CO2 tonne/yr |
|--------|--------------------------------|--------------------|---------------------|----------------------|-------------------|---------------|-----------------|
| 1 | Electricity from public supply | indirect emissions | 5430.643 | 2.60 | 14,120 | 0.17 | 2,344 |
| 2 | Liquid Petroleum Gas | direct emissions | 615.133 | 1.00 | 615 | 0.23 | 141 |
| 3 | Natural Gas | direct emissions | 8234.515 | 1.00 | 8,235 | 0.19 | 1,565 |

Comments Measured data from 2014 used at the site

Raw Materials

Please list all Raw Materials Consumed:

| Number | Material | Annual Consumption | Units |
|----------|---------------|-------------------------------------------------------------------------------------------------------------|-------------|
| 1 | Potable Water | 151064 | tonnes/year |
| Comments | | Data from 2014 used - this comprises 38,157 m3 of mains water; and 112,907 m3 of abstracted borehole water. | |

Waste Inventory

Please list all Waste Streams emitted:

Are there any Waste emissions?

Yes

| Number | Waste Stream | Mass tonne/yr | Category of Waste | Disposal/Recovery Option |
|--------|----------------------------------|------------------|---------------------------------|----------------------------------------|
| 1 | Waste Packaging | 344 | inert | Other Recycling (R3:R4:R5:R11 and R12) |
| 2 | Office waste (non-biodegradable) | 1 | other non-hazardous | Other Recycling (R3:R4:R5:R11 and R12) |
| 3 | General waste (bio-degradable) | 192 | biodegradable non-hazardous was | Landfill (D5) |

Comments Based on 2014 data

Step 3

Introduction to Step 3

Step 3: Quantify Impacts

The aim of this Step is to quantify the effects on the environment of the releases listed in the inventory in Step 2. The guidance provides methods for assessing the eight main environmental considerations of most relevance to the EPR regime. Your releases may not result in effects to all eight of these considerations, and this tool allows you to screen out any that are not relevant.

The emissions you entered in Step 2 are automatically brought forward for assessment into each environmental consideration that is relevant for that type of release (e.g. a release may have more than one type of effect).

This part of the tool allows you to screen out any releases that are insignificant, and to identify those releases where further, detailed assessment of the potential environmental impact may be required.

IMPORTANT NOTE

This software tool only completes part of the requirements for Step 3, as described above. Depending upon the degree of risk to the environment presented by the releases, the operator may need to do further, detailed assessment of the potential effects using methodologies that are not provided here. This information should be submitted separately, as indicated within this part of the tool.

TO CONTINUE WITH STEP 3, PRESS "NEXT".

Identify Relevant Impacts

Identify any environmental impacts that are not relevant to this assessment by deselecting from the list below:

Releases in
Part 2?

Justification for omission

Yes

☒ Air

Yes

☐ Deposition from Air to Land

Emissions from boilers only, NO2 and CO

Yes

☒ Water

No

☐ Odour

No significant odour releases

Yes

☒ Waste

Yes

☐ Visual

Existing Facility - already in operation under planning consent

Yes

☒ Ozone Creation

Yes

☒ Global Warming

If you have deselected an environmental impact as not relevant to this assessment, no further assessment of this impact will be carried out

Local Environmental Quality

Describe the Quality of the Environment:

Provide a brief description of the main local factors that may influence the importance of the impact of emissions in the surrounding environment

Air Quality

Are there any Environmental Quality Standards relating to substances released from the activities, which may be at risk due to additional contribution from the activity ?
(Environmental Quality Standards for air and water are described in EPR Technical Guidance Notes)

AQSS:
NO2: 40 ug/m3 annual mean, 200 ug/m3 1 hour mean
CO: 10 mg/m3 daily running 8 hour mean

Are there any Local Air Quality Management Plans applicable to releases from the activity?

No

Water Quality & Resources

Are there any Environmental Quality Standards relating to substances released from the activities, which may be at risk due to additional contribution from the activity?

No, existing activity, controlled by discharge consent.

Are proposals to abstract water satisfactory in order to obtain an abstraction licence?

N/A already licensed.

Is the activity located in a groundwater vulnerable zone (for activities with direct releases to land only)?

N/A

Proximity to Sensitive Receptors

Is public annoyance likely to be an issue for noise, odour or plume visibility ?

No, site is located in an industrial estate. No history of complaints regarding noise, odour or plume visibility.

Are there any wildlife habitats, eg Special Areas of Conservation, or Special Protection Areas, likely to be affected by releases from the activity? (Description of requirements of Habitats Directive is provided in EPR Technical Guidance Notes)

No SSSI, RAMSAR or SPA sites within 1 km.

Air Impacts

Calculate Process Contributions of Emissions to Air

This table estimates the Process Contribution (PC), calculated as the maximum ground level concentration for each emission listed in the inventory, according to the release point parameters input earlier. If you have more accurate data obtained through dispersion modelling, this may be entered as indicated and will be used instead of the estimated PC.

| Number | Substance | Long Term | | | Short Term | | |
|--------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | EAL | PC | * Modelled PC | EAL | PC | Modelled PC |
| | | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ |
| 1 | Nitrogen Dioxide | 40 | 33.3 | | 200 | 439 | |
| 2 | Carbon monoxide | | 33.3 | | 10000 | 877 | |

Note that the Process Contribution shown for each substance is the sum of the individual process contributions of each point from which the substance is emitted. Process Contributions obtained from modelling data should incorporate all relevant release points and flow conditions.

* State the location of any detailed air dispersion modelling and also the main assumptions: Comments

Air Impact Screening

Screen out Insignificant Emissions to Air

This page displays the Process Contribution as a proportion of the EAL or EQS. Emissions with PCs that are less than the criteria indicated may be screened from further assessment as they are likely to have an insignificant impact.

| Number | Substance | Long Term | Short Term | Long Term | | | Short Term | | |
|--------|------------------|-----------|------------|-----------|-------------|--------------|------------|-------------|---------------|
| | | EAL | EAL | PC | % PC of EAL | > 1% of EAL? | PC | % PC of EAL | > 10% of EAL? |
| | | µg/m3 | µg/m3 | µg/m3 | % | | µg/m3 | % | |
| 1 | Nitrogen Dioxide | 40.0 | 200 | 33.3 | 83.3 | Yes | 439 | 219 | Yes |
| 2 | Carbon monoxide | - | 10,000 | 33.3 | - | | 877 | 8.78 | No |

Air Impact Modelling

Identify need for Detailed Modelling of Emissions to Air

This page displays the Process Contributions in relation to the background pollutant levels and the EAL or EQS. You should use this information to decide whether to conduct detailed modelling. Note that releases that are insignificant are not shown as they are screened from further assessment. Also complete this page if you have already done detailed modelling.

| Number | Substance | Long Term | | | | Short Term | |
|--------|------------------|-----------------|-------|-------------------------|-------|--------------------------------|-------|
| | | Air Bkgnd Conc. | PC | % PC of headroom (EAL - | PEC | % PC of headroom (EAL - Bkgnd) | |
| | | µg/m3 | µg/m3 | | mg/m3 | % | µg/m3 |
| 1 | Nitrogen Dioxide | 12.51 | 33.3 | 121 | 45.9 | 115 | 439 |
| | | | | | | | 251 |

Air Impact Modelling Assessment

See guidelines in H1 Annex F section entitled "Decide if you need detailed air modelling."

Describe here the justification for whether detailed modelling is, or is not required for any of the releases. Refer to the guidelines in H1 Annex F

In absence of monitoring data, boiler emissions estimated using proposed ELV and using estimated flow rates from gas consumption data. Screening predicts that relevant AQOs will not be exceeded. Therefore, no detailed air dispersion modelling undertaken at this stage. It is proposed that an improvement condition be included requiring stack emissions testing of the boilers on site, with subsequent review and update of H.

Describe source of background information:

Background NO2 concentration taken from DEFRA background maps

Document Reference of detailed modelling work:

n/a

Water Impact Modelling Assessment

See guidelines in H1 Annex D and respond to the following

Describe here the justification for whether detailed modelling is, or is not required for any of the releases. Refer to the guidelines in H1 Annex D.

Describe source of background information:

Describe location of detailed modelling work:

Photochemical Ozone Creation Impacts

| Number | Substance | Annual Rate tonne/yr | POCP Value per tonne | POCP |
|--------|------------------|-------------------------|-------------------------|-------|
| 1 | Nitrogen Dioxide | 0.50 | 2.8 | 1.41 |
| 2 | Carbon monoxide | 0.50 | 2.7 | 1.36 |
| 1 | Nitrogen Dioxide | 6.59 | 2.8 | 18.45 |
| 2 | Carbon monoxide | 6.59 | 2.7 | 17.80 |
| Total: | | | | 39.02 |

Comments

Global Warming Potential Impacts

| Substance | Source | Annual Rate MWh/yr | GWP Value per tonne | Annual GWP |
|----------------------|--------------------|-----------------------|------------------------|------------|
| C02 Energy: direct | direct emissions | 8,849.65 | 1.00 | 1,706.04 |
| C02 Energy: indirect | indirect emissions | 5,430.64 | 1.00 | 2,343.87 |
| | | | Total: | 4,049.90 |
| Comments | | | | |

Waste Impact Score Calculation

| Number | Waste Stream | Mass | Final treatment or disposal method | (Score) | Waste Type | (Score) | Impact Score |
|--------|----------------------------------|------|----------------------------------------|---------|--------------------------|---------|--------------|
| 3 | General waste (bio-degradable) | 192 | Landfill (D5) | 30 | biodegradable non-hazard | 4 | 23040 |
| 2 | Office waste (non-biodegradable) | 1 | Other Recycling (R3:R4:R5:R11 and R12) | 3 | other non-hazardous | 2 | 6 |
| 1 | Waste Packaging | 344 | Other Recycling (R3:R4:R5:R11 and R12) | 3 | inert | 1 | 1032 |

Comments

Summary Tables

Print or Preview summary tables:

Choose which summary tables

Air
Water
Waste
Ozone Creation
Global Warming

Export to
Excel

Preview

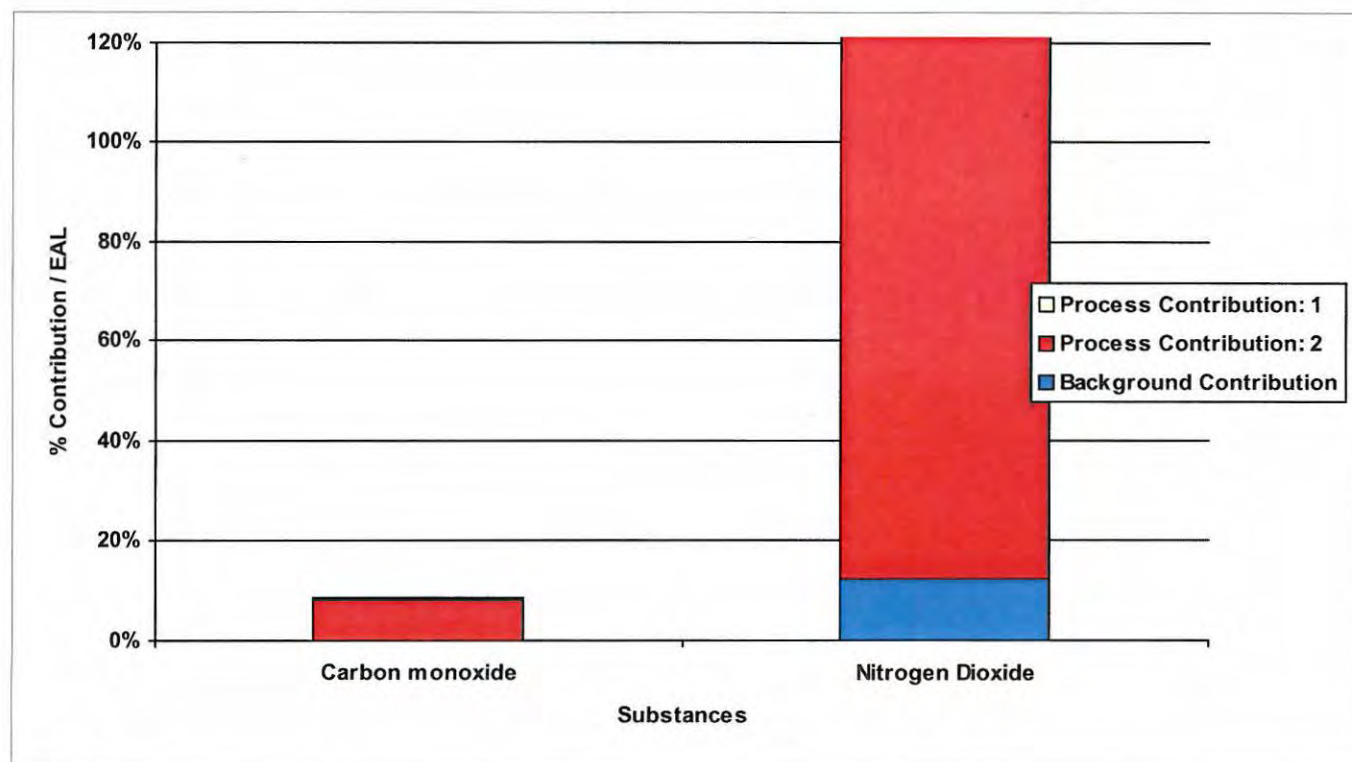
Print

Export Releases
to OPRA Profile

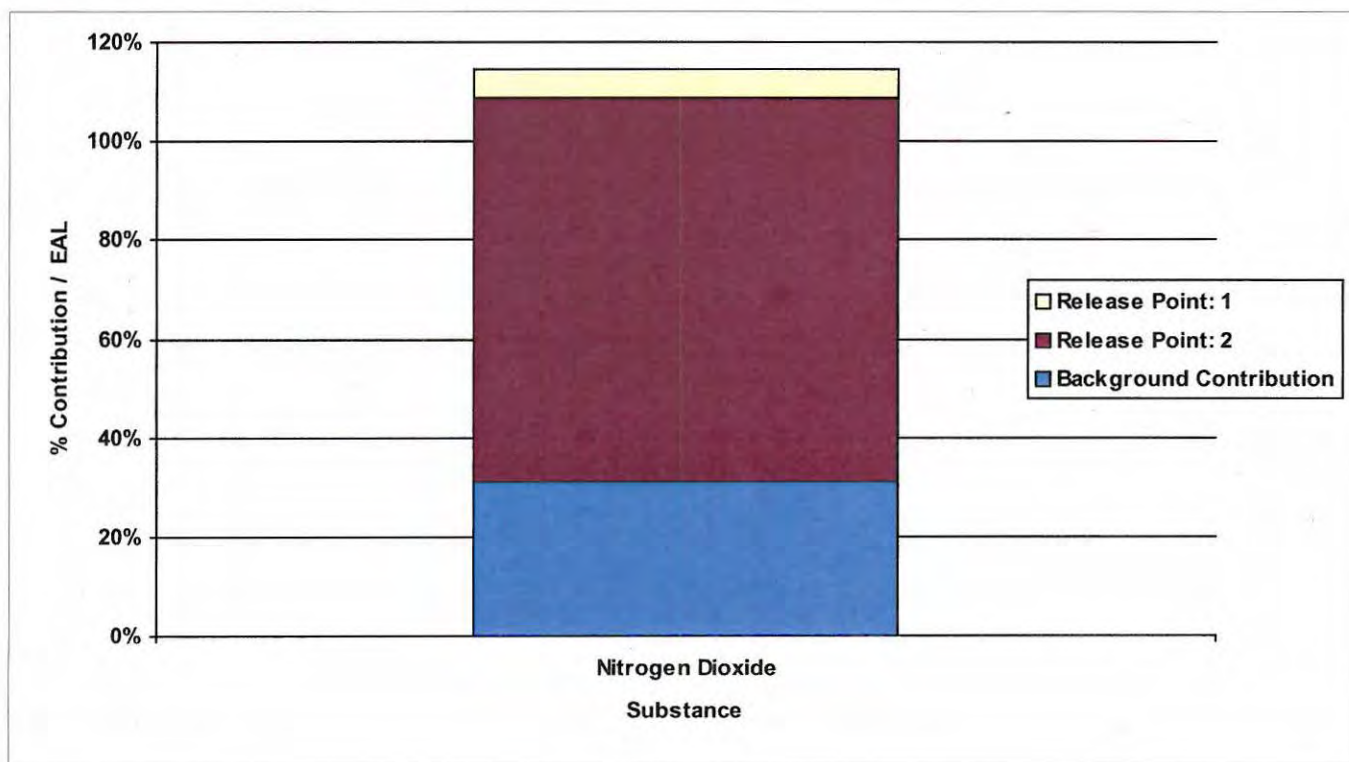
Include

- ☐ All Air and Water Substances
☒ Air and Water Release Not Screened Out

Air Short Term Effects - Comparison by Substance



Air Long Term Effects - Comparison by Substance



| | |
|--|--------------------------------------------------------|
| | Short Term (Incident) Odour - Option Comparison |
| | |

No Data Available

| | |
|--|-----------------------------------------------|
| | Long Term (Routine) Odour - Option Comparison |
| | |

No Data Available

| | |
|--|------------------------------------------------------------------------------------|
| | Odour Type - Option Comparison of total odour concentration by odour status |
| | |

No Data Available

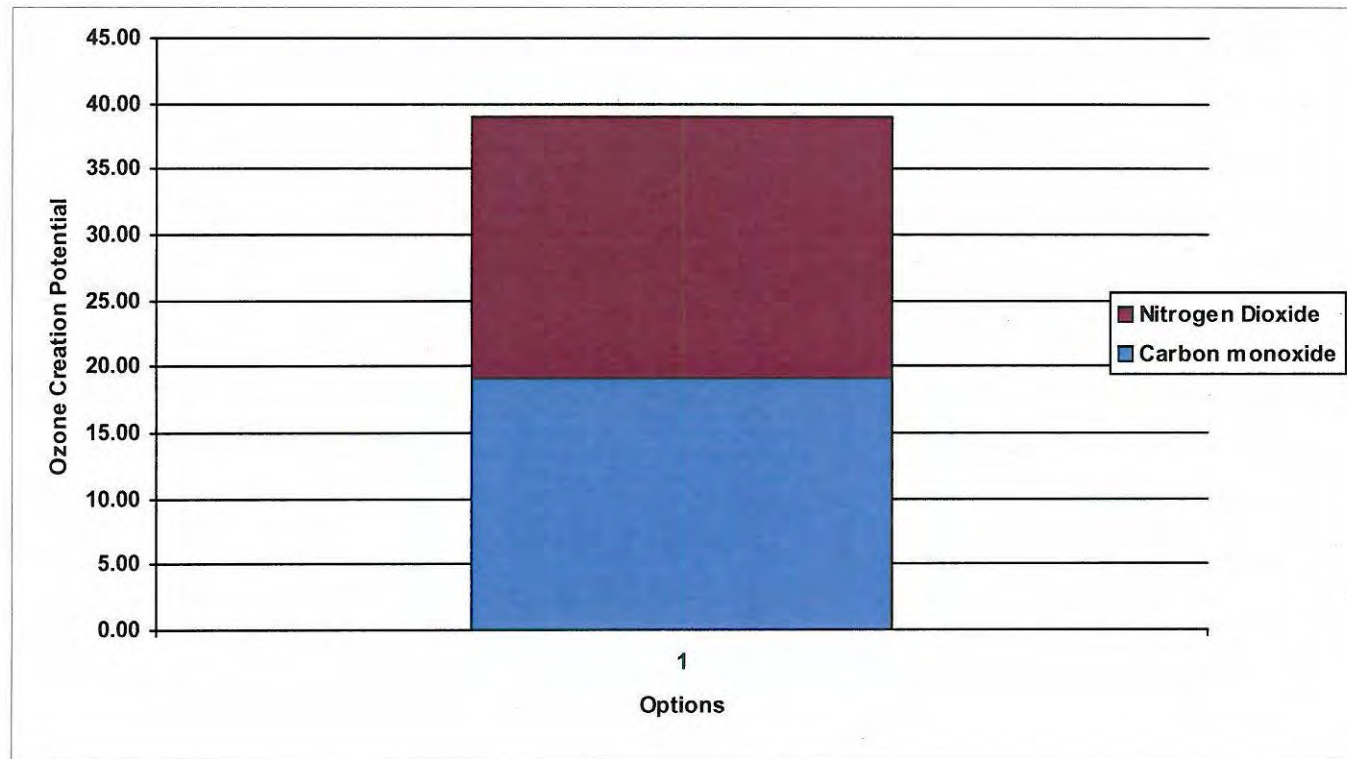
| | |
|--|------------------------------------------------|
| | Short Term Water - Substance Comparison |
| | |

No Data Available

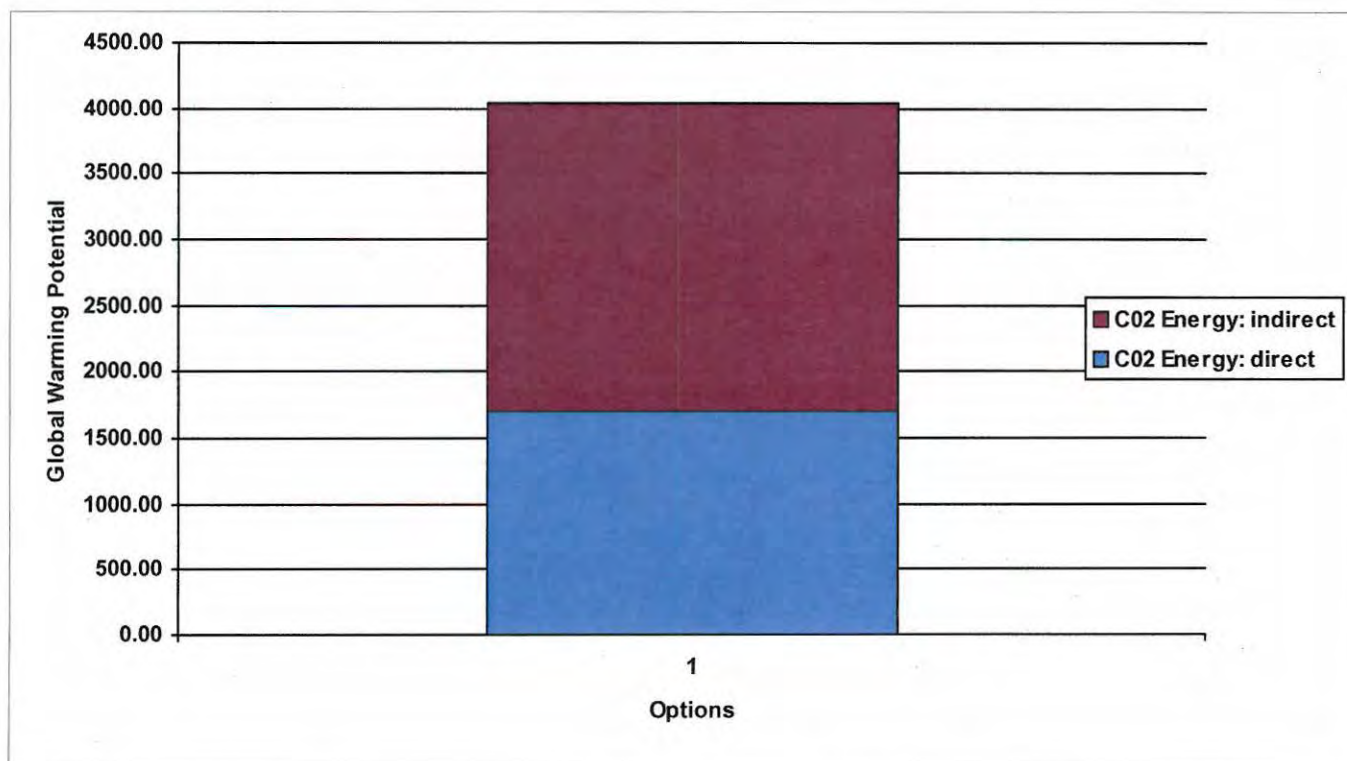
Water Long Term Effects - Comparison by Substance

No Data Available

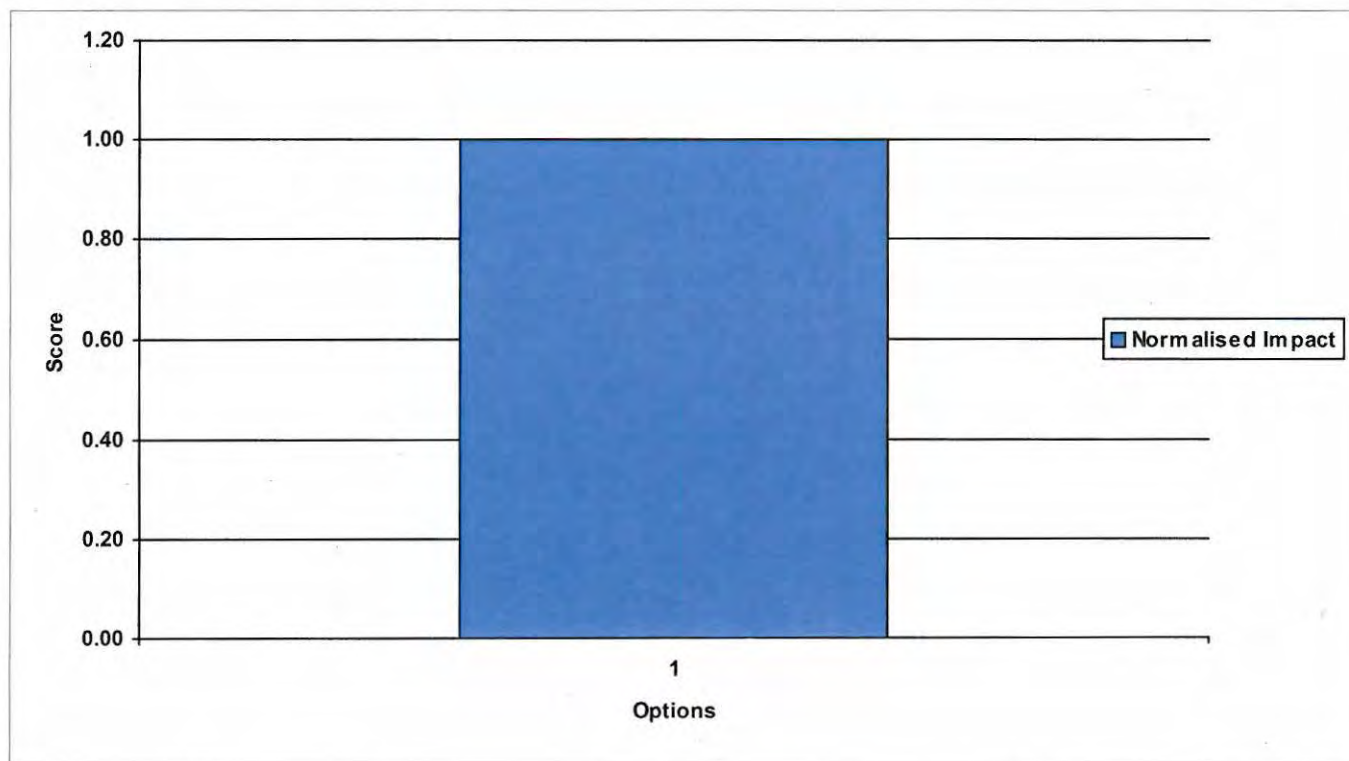
Ozone Creation - Substance Comparison



Global Warming - Substance Comparison



Waste - Option Comparison



Summary of Environmental Assessment

You have now completed all of the steps in this software for the environmental assessment. This will provide you with:

- an inventory of all emissions sources and substances emitted from your activities
- an information trail of how the impacts of these emissions have been assessed
- a summary of the impacts

You now need to use this information to confirm whether the emissions are acceptable, i.e. that they do not cause significant pollution to occur, by responding below:

Do any of the emissions exceed any of the following

- | | | |
|--------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Statutory Emission limit values: | <input type="checkbox"/> No | If yes, identify the substances concerned and improvements that are needed to at least meet the statutory requirement |
| Environmental Quality Standards (air and water): | <input type="checkbox"/> No | If yes, identify the substances concerned, the contribution from the activities and investigate whether further detailed fate and effect modelling and/or pollution controls are needed. Ensure that the relevant EQS reference conditions are applied. |
| Environmental Assessment Levels: | <input type="checkbox"/> No | If yes, identify the substances concerned, the contribution from the activities and investigate whether further detailed fate and effect modelling and/or pollution controls are needed. |

Use the box below to provide further information on any of the above to which you have responded 'Yes':

In the absence of stack emissions testing data, boiler emissions have been estimated from proposed ELV concentrations and an estimated flow rate derived from gas combustion levels. It has been assumed that 100% Nox is NO2 for long term emissions, 50% short term.

Though considered 'significant' in the first stage of H1 screening, the screening predicts that relevant AQOs will not be exceeded. Therefore, no detailed air dispersion modelling undertaken at this stage. It is proposed that an improvement condition be included, if

Finally, print all of the information and submit with your application. Remember to include any supplementary information and reports that you have had made reference to during the assessment procedure.

Step 4

Compare Impacts between Options

The aim of this Step is to compare the overall performance of each option for all of the environmental considerations assessed in Step 3, in order to identify which option represents the lowest impact on the environment as a whole.

IMPORTANT NOTE

Unless the best option is self-evident (i.e. results in the lowest impact for all considerations), you will need to use professional judgement to decide which option is the best overall. This judgement should be made taking into account the considerations described in the H1 guidance notes and may require decisions about the relative importance of environmental considerations. The operator should submit a response to the Regulator that describes how the decision has been made. The following page provides a structure which may be used to summarise the decision-making process.

TO CONTINUE WITH STEP 4, PRESS "NE

Compare the Options

Review the graphs and summary data to rank the options according to environmental impact

Is the best Option self-evident?
i.e. results in the lowest impact in all environmental considerations

No

Is cost information required before the Best Available Technique can be selected?
If yes, continue to Part 5, after resolving cross media conflicts (next page) where relevant.

No

Compare the Options

Review the graphs and summary data to rank the options according to environmental impact

Is the best Option self-evident?
i.e. results in the lowest impact in all environmental considerations

No

Is cost information required before the Best Available Technique can be selected?
If yes, continue to Part 5, after resolving cross media conflicts (next page) where relevant.

No

Resolve Cross Media Conflicts

| Environmental Consideration | | Importance | Comments / Justification |
|-----------------------------|-------------|----------------------|--------------------------|
| Releases to Air | Long Term: | <input type="text"/> | <input type="text"/> |
| | Short Term: | <input type="text"/> | <input type="text"/> |
| Deposition to Land: | | <input type="text"/> | <input type="text"/> |
| Releases to Water | Long Term: | <input type="text"/> | <input type="text"/> |
| | Short Term: | <input type="text"/> | <input type="text"/> |
| Visual: | | <input type="text"/> | <input type="text"/> |
| POCP: | | <input type="text"/> | <input type="text"/> |
| GWP: | | <input type="text"/> | <input type="text"/> |
| Disposal of Waste: | | <input type="text"/> | <input type="text"/> |

Provide a description of how cross media conflicts have been resolved:

This will require reasoned judgement, with reference to any decisions or assumptions made over the relative importance of different environmental impacts. See H1 for requirements, guidelines and examples to assist in the process. You may submit this information

Location or reference to information on resolution of cross media conflicts:

Present a summary of the final ranking of options in the table below:

| Number | Title | Ranking |
|--------|-----------|----------------------|
| 1 | Base-Case | <input type="text"/> |

Summary of Option Appraisal

You have now completed all of the steps in this software for appraisal of BAT.

Finally, print all of the information and submit with your application. Remember to include any supplementary information and reports that you have had made reference to during the assessment procedure.

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