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ISO 14001:2004  
NSAI Certified



HEALTH  
& SAFETY  
OHSAS 18001:2007  
NSAI Certified



QUALITY  
ISO 9001:2008  
NSAI Certified



Energy, Environment & Safety

21<sup>st</sup> April 2015

**Permitting Support Centre  
Quadrant 2  
99 Parkway Avenue  
Parkway Business Park  
Sheffield  
S9 4WF**

Our Ref: **L1\_ET\_NRW\_21042015**

**Re: Application to vary permit Permit No. ERP/BU8002IT**

---

Dear Sir/Madam,

OES Consulting have been engaged by Dawn Meats UK to assist them in preparing an application to vary the conditions of permit number ERP/BU8002IT held in respect of the Dawn Cross hands, (a Division of Dawn Meats UK) meat processing facility located at Cross Hands, Business Park West, Cross Hands, Carmarthenshire, SA14 6RF.

Dawn Meats UK have discussed this application to vary the conditions of their permit with officers of Natural Resource Wales (NRW). Most recently a site meeting was held with NRW on the 11<sup>th</sup> March 2015.

This application is to vary the site permit as follows;

- 1) Update emission limit values for treated effluent to reflect those in varied trade effluent consent.
- 2) Update on surface water drainage.
- 3) Add a new steam oven.
- 4) Relocate and change technique for produce smoker.
- 5) Increase blast freezing capacity on site.

Additional information on the above is provided in attachment 2.1 to this application.

The application forms and associated referenced documents required to vary the permit associated with the Dawn Cross Hands food processing facility are enclosed with this letter.

FBD House  
Fels Point  
Tralee  
Kerry

P: 066 7128321

Building 1000  
City Gate  
Mahon  
Cork

p: 021 240 9043

e: [info@oes.ie](mailto:info@oes.ie) w: [www.oes.ie](http://www.oes.ie)



The following is enclosed with the application:

- Application for an environmental permit Part A – About you – *Attachment 1*
  - Certificate of Incorporation
- Application for an environmental permit – Part C2 – General – varying a bespoke permit – *Attachment 2*
  - Proposed changes
  - Non-Technical summary
  - Location of emission points to air
  - Updated site drainage drawing
  - Current trade effluent discharge consent
  - Environmental risk assessment of proposed changes
- Application for an environmental permit – Part C3 – Variation to a bespoke installation permit – *Attachment 3*
- Application for an environmental permit Part F1 – Opra, charges and declarations – *Attachment 4*

Should you have any queries with respect to this application, please do not hesitate to contact us.

Yours Sincerely,



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**Edward Tully**  
Environmental Consultant

**CC'd via email:**

Fiona Mclachlan - Dawn Meats UK, Environmental Officer  
Alison Trace - Dawn Cross Hands, Environmental Officer

# Attachment 1

Application to vary permit EPR/BU8002IT, Dawn Cross Hands  
Part A – About you

# Application for an environmental permit

## Part A – About you



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

**Please read through this form and the guidance notes that came with it. Please write clearly in the answer spaces.**

**Note:** if you believe including information on a public register would not be in the interests of national security you must tick the box in section 5 of F1 or F2 and enclose a letter telling us that you have told the Welsh ministers. We will not include the information in the public register unless directed otherwise.

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

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

### Contents

- 1 About you
- 2 Applications from an individual
- 3 Applications from an organisation of individuals
- 4 Applications from public bodies
- 5 Applications from companies
- 6 Your address
- 7 Contact details
- 8 How to contact us

## 1 About you

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

An individual

☐ Now go to section 2

An organisation of individuals (for example, a partnership)

☐ Now go to section 3

A public body

☐ Now go to section 4

A registered company or other corporate body

☐ Now go to section 5

## 2 Applications from an individual

### 2a Please give us the following details

Name

Title (Mr, Mrs, Miss and so on)

\_\_\_\_\_

First name

\_\_\_\_\_

Last name

\_\_\_\_\_

Date of birth (DD/MM/YYYY)

\_\_\_\_\_

Now go to section 6

## 3 Applications from an organisation of individuals

### 3a Type of organisation

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

\_\_\_\_\_

### 3b Details of the organisation

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

\_\_\_\_\_

Contact name

Title (Mr, Mrs, Miss and so on)

\_\_\_\_\_

First name

\_\_\_\_\_

### 3 Applications from an organisation of individuals, continued

Last name

Date of birth (DD/MM/YYYY)

Now go to section 6

### 4 Applications from public bodies

#### 4a Type of public body

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

4b Name of the public body

#### 4c Please give us the following details of the executive

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

Name

Title (Mr, Mrs, Miss and so on)

First name

Last name

Position

Now go to section 6

### 5 Applications from companies or corporate bodies

5a Name of the company

5b Company registration number

Date of registration (DD/MM/YYYY)

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

Document reference

Now go to section 6

### 6 Your address

#### 6a Your main (registered office) address

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

Contact name

Title (Mr, Mrs, Miss and so on)

First name

Last name

Address

Postcode

Contact numbers, including the area code

Phone

Fax

Mobile

Email

## 6 Your address, continued

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

Document reference for the extra sheet

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

Contact name

Title (Mr, Mrs, Miss and so on)

First name

Last name

Address

Postcode

Contact numbers, including the area code

Phone

Fax

Mobile

Email

Now go to section 7

## 7 Contact details

### 7a Who can we contact about your application?

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

Contact name

Title (Mr, Mrs, Miss and so on)

First name

Last name

Address

Postcode

Contact numbers, including the area code

Phone

Fax

Mobile

Email

## 7 Contact details, continued

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

Contact name

Title (Mr, Mrs, Miss and so on)

First name

Last name

Address

Postcode

Contact numbers, including the area code

Phone

Fax

Mobile

Email

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

As in question 7a

☐

As in question 7b

☐

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

Contact name

Title (Mr, Mrs, Miss and so on)

First name

Last name

Address

Postcode

Contact numbers, including the area code

Phone

Fax

Mobile

Email

## 8 How to contact us

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

General enquiries: 0300 065 3000 (Monday to Friday, 8am to 6pm)

Email: [enquiries@naturalresourceswales.gov.uk](mailto:enquiries@naturalresourceswales.gov.uk) / [ymholiadau@cyfoethnaturiolcymru.gov.uk](mailto:ymholiadau@cyfoethnaturiolcymru.gov.uk)

Website: [www.naturalresourceswales.gov.uk](http://www.naturalresourceswales.gov.uk) / [www.cyfoethnaturiolcymru.gov.uk](http://www.cyfoethnaturiolcymru.gov.uk)

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

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

## Feedback

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

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

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

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

Would you like a reply to your feedback?

Yes please

☐

No thank you

☐

### For Natural Resources Wales use only

Date received (DD/MM/YYYY)

Our reference number

Payment received?

No ☐

Yes ☐

Amount received

£

# Attachment 1.1

## Part A – About you, Question 5b

### Certificate of Incorporation



**CERTIFICATE OF INCORPORATION  
ON RE-REGISTRATION OF A LIMITED COMPANY  
AS UNLIMITED**

Company No. 3382084

The Registrar of Companies for England/Wales hereby certifies that

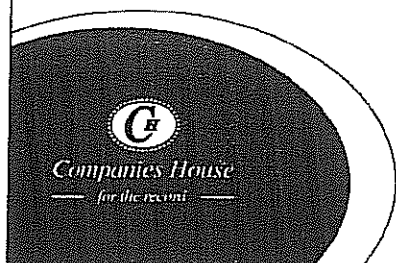
**DAWN MEATS (U.K.) LIMITED**

formerly registered as limited has this day been re-registered under the Companies Act 2006 as unlimited, under the name of

**DAWN MEATS (U.K.)**

and its registered office is situated in England/Wales.

Given at Companies House on 16th December 2011



# Attachment 2

Application to vary permit EPR/BU8002IT, Dawn Cross Hands  
Part C2\_General, Varying a bespoke permit Q. C2

# Application for an environmental permit – Part C2 – General – varying a bespoke permit



**Fill in this part of the form, together with part A and the relevant parts of C3 to C7 and part F1 or F2, if you are applying to vary (change) the conditions or any other part of the permit. Please check that this is the latest version of the form available from our website.**

**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).**

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

**Please read through this form and the guidance notes that came with it. Please write clearly in the answer spaces.**

It will take less than two hours to fill in this form.

## Contents

- 1 About the permit
- 2 About your proposed changes
- 3 Your ability as an operator
- 4 Consultation
- 5 Supporting information
- 6 Environmental risk assessment
- 7 How to contact us

Appendix 1 – Low impact installation checklist

## 1 About the permit

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

### 1a Customer reference number

What is your customer reference number?

If you do not have a customer reference number, you may leave this blank.

The customer reference number is a unique identification number which tells us who you are. It is always made up of one letter and nine numbers in this order A111111111.

### 1b Discussions before your application

If you have had discussions with us before your application, provide the case reference number or details on a separate sheet and tell us below the reference you have given the document.

Case or document reference

### 1c Permit number

What is the permit number that this application relates to?

### 1d Site details

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

Site name

Address





Postcode

## 2 About your proposed changes

### 2a Type of variation

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

Standalone water discharge activity or point source groundwater activity

☐

Minor technical

☐

Normal variation

☐

Substantial

☐

## 2 About your proposed changes, continued

### 2b Changes or additions to existing activities

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

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

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

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

Document reference

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

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

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

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

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

### 2c Consolidating existing permits

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

No ☐

Yes ☐

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

#### Table 2 – Permit numbers

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

### 2d Treating batteries

Are you proposing to treat batteries?

No ☐

Yes ☐ Tell us how you will do this and send us a copy of your explanation

Document reference for the explanation

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

### 2e Low impact installations (installations only)

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

No ☐ Now go to section 3

Yes ☐

If yes, tell us how you meet the conditions for a low impact installation (see the guidance in appendix 1).

Document reference for the explanation

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

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

Now go to section 3

**Table 1 – Changes to existing activities**

| Name                                                                                                                                       | Installation schedule<br>1 references | Description of the<br>installation activity | Description of waste<br>operation | Description of<br>the mining waste<br>operations | Description of water<br>discharge activity | Description of<br>groundwater activity | Proposed changes<br>document reference |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------|-----------------------------------|--------------------------------------------------|--------------------------------------------|----------------------------------------|----------------------------------------|
| i.e. name of<br>installation,<br>waste operation,<br>mining waste<br>operation, water<br>discharge activity or<br>groundwater activity     |                                       |                                             |                                   |                                                  |                                            |                                        |                                        |
| Example – Effluent<br>unique name                                                                                                          |                                       |                                             |                                   |                                                  | Example – treated<br>sewage effluent       |                                        |                                        |
| If you do not have<br>enough room, go to<br>the line below or send<br>a separate document<br>and give us the<br>document reference<br>here |                                       |                                             |                                   |                                                  |                                            |                                        |                                        |
|                                                                                                                                            |                                       |                                             |                                   |                                                  |                                            |                                        |                                        |
|                                                                                                                                            |                                       |                                             |                                   |                                                  |                                            |                                        |                                        |
|                                                                                                                                            |                                       |                                             |                                   |                                                  |                                            |                                        |                                        |
|                                                                                                                                            |                                       |                                             |                                   |                                                  |                                            |                                        |                                        |
|                                                                                                                                            |                                       |                                             |                                   |                                                  |                                            |                                        |                                        |
|                                                                                                                                            |                                       |                                             |                                   |                                                  |                                            |                                        |                                        |
|                                                                                                                                            |                                       |                                             |                                   |                                                  |                                            |                                        |                                        |
|                                                                                                                                            |                                       |                                             |                                   |                                                  |                                            |                                        |                                        |
|                                                                                                                                            |                                       |                                             |                                   |                                                  |                                            |                                        |                                        |

### 3 Your ability as an operator

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

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

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

#### 3a Relevant offences (installations and waste operations only – see the guidance notes on part C2)

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

No ☐ Now go to question 3b

Yes ☐ Please give details below

Name of the relevant person

Title (Mr, Mrs, Miss and so on)

First name

Last name

Date of birth (DD/MM/YYYY)

Position at the time of the offence

Name of the court

Date of the 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 post conviction plans if relevant) and tell us below the reference number you have given the extra sheet.

Document reference of the extra sheet

Have you sent us a post conviction plan for this offence?

No ☐ You must send us a post conviction plan with this application and give us the document reference below

Document reference

Yes ☐ Please give us the reference for the post conviction plan you have sent and the date sent in

Post conviction plan reference

Date sent in (DD/MM/YYYY)

Now go to question 3b

#### 3b Technical ability (specified waste management activities and waste operations only – see the guidance notes on part C2)

Please tick the scheme you are using to show you have the suitable technical skills and knowledge to manage your facility.

CIWM/WAMITAB ☐

ESA/EU ☐

Please send in a registration letter from your scheme as above ☐

Now go to question 3c

#### 3c Finances (installations, waste operations and mining waste operations – see the guidance notes on part C2)

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

No ☐

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

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

### 3 Your ability as an operator, continued

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

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

- 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.

Give the document plan reference number

Now go to question 3d

#### 3d Management systems

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 the Environment Agency website <http://www.environment-agency.gov.uk>.

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

No ☐

Yes ☐

What management system will you provide for your regulated facility?

- EC Eco-Management and Audit Scheme (EMAS) ☐
- ISO 14001 ☐
- BS 8555 (Phases 1–5) ☐
- Green Dragon ☐
- Own management system ☐

You must send us a summary of your management system with your application.

Document reference or references for this summary

### 4 Consultation (fill in 4a to 4c for installations and waste operations and 4d for installations only)

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

#### 4a A sewer managed by a sewerage undertaker?

No ☐

Yes ☐ Please name the sewerage undertaker

#### 4b A harbour managed by a harbour authority?

No ☐

Yes ☐ Please name the harbour authority

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

No ☐

Yes ☐ Please name the fisheries committee

## 4 Consultation (fill in 4a to 4c for installations and waste operations and 4d for installations only), continued

### 4d Is the installation on a site for which

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

No ☐

Yes ☐

4d2 a policy document for preventing major accidents is needed under regulation 5 of the Control of Major Accident Hazards Regulations 1999, or a safety report is needed under regulation 7 of those regulations?

No ☐

Yes ☐

## 5 Supporting information

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

Document plan reference or references

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

No ☐

Yes ☐ Please provide a site report for the extra land.

Document report reference or references

### 5c Provide a non-technical summary of your application

Document reference

### 5d Adding an installation

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

☐

Document reference of the report

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

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

Document reference of the assessment

## 7 How to contact us

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

General enquiries: 0300 065 3000 (Monday to Friday, 8am to 6pm)

Email: [enquiries@naturalresourceswales.gov.uk](mailto:enquiries@naturalresourceswales.gov.uk) / [ymholiadau@cyfoethnaturiolcymru.gov.uk](mailto:ymholiadau@cyfoethnaturiolcymru.gov.uk)

Website: [www.naturalresourceswales.gov.uk](http://www.naturalresourceswales.gov.uk) / [www.cyfoethnaturiolcymru.gov.uk](http://www.cyfoethnaturiolcymru.gov.uk)

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

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

## Feedback

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

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

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

\_\_\_\_\_

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

Would you like a reply to your feedback?

Yes please

☐

No thank you

☐

### For Natural Resources Wales use only

Date received (DD/MM/YYYY)

\_\_\_\_\_

Our reference number

\_\_\_\_\_

Payment received?

No ☐

Yes ☐

Amount received

£

\_\_\_\_\_

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

|                                           |                                                                                                                                    |  |                                                             |                                                             |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|-------------------------------------------------------------|
| Installation reference                    |                                                                                                                                    |  |                                                             |                                                             |
| Condition                                 | Response                                                                                                                           |  |                                                             | Do you meet this?                                           |
| A – Management techniques                 | Provide references to show how your application meets A.                                                                           |  |                                                             | Yes <input type="checkbox"/>                                |
|                                           | References                                                                                                                         |  |                                                             | No <input type="checkbox"/>                                 |
| B – Aqueous waste                         | Effluent created                                                                                                                   |  | m <sup>3</sup> /day                                         | Yes <input type="checkbox"/><br>No <input type="checkbox"/> |
| C – Abatement systems                     | Provide references to show how your application meets C.                                                                           |  |                                                             | Yes <input type="checkbox"/><br>No <input type="checkbox"/> |
|                                           | References                                                                                                                         |  |                                                             |                                                             |
| D – Groundwater                           | Do you plan to release any hazardous substances or non-hazardous pollutants into the ground?                                       |  | Yes <input type="checkbox"/><br>No <input type="checkbox"/> | Yes <input type="checkbox"/><br>No <input type="checkbox"/> |
| E – Producing waste                       | Hazardous waste                                                                                                                    |  | Tonnes per year                                             | Yes <input type="checkbox"/><br>No <input type="checkbox"/> |
|                                           | Non-hazardous waste                                                                                                                |  | Tonnes per year                                             |                                                             |
| F – Using energy                          | Peak energy consumption                                                                                                            |  | MW                                                          | Yes <input type="checkbox"/><br>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"/><br>No <input type="checkbox"/> | Yes <input type="checkbox"/><br>No <input type="checkbox"/> |
|                                           | Provide references to show how your application meets G.                                                                           |  |                                                             |                                                             |
|                                           | References                                                                                                                         |  |                                                             |                                                             |
| H – Noise                                 | Provide references to show how your application meets H.                                                                           |  |                                                             | Yes <input type="checkbox"/><br>No <input type="checkbox"/> |
|                                           | References                                                                                                                         |  |                                                             |                                                             |
| I – Emissions of polluting substances     | Provide references to show how your application meets I.                                                                           |  |                                                             | Yes <input type="checkbox"/><br>No <input type="checkbox"/> |
|                                           | References                                                                                                                         |  |                                                             |                                                             |
| J – Odours                                | Provide references to show how your application meets J.                                                                           |  |                                                             | Yes <input type="checkbox"/><br>No <input type="checkbox"/> |
|                                           | References                                                                                                                         |  |                                                             |                                                             |
| 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"/><br>No <input type="checkbox"/> |                                                             |

# Attachment 2.1

## Part C2\_General, Varying a bespoke permit Q. C2

### Proposed Changes

|                                          |                  |
|------------------------------------------|------------------|
| <b>Document Ref:</b>                     | C2_2c            |
| <b>Document Title:</b><br><b>Part C2</b> | Proposed Changes |

Dawn Cross Hands (Dawn Meats UK) is requesting approval from Natural Resource Wales to make the following changes to permit to reflect site operations;

### **New Steam Oven –**

To allow the site to increase production capacity of cooked products and variation in product line, a new steam oven is considered necessary. This oven will be of a similar construction and operation to the three ovens already used on site. The new steam oven will be twice the size of one of the ovens currently used on site. A drawing of the proposed oven is included as drawing DP00100 included as Attachment 2.1.1 to this application.

This oven will be used to steam cook meat products in sealed bags. In turn cooking odours will be minimised. At the end of each cooking cycle the oven will vent to atmosphere via a vent at roof level. Odours emitted from the cooking process are not considered offensive or likely to be the cause of offsite complaints.

Emissions from the oven will be at the emission point previously used for a produce smoker. The location of this emission point is illustrated on drawing included as Attachment 2.1.2 to this application.

Noise from the proposed oven will be attenuated by the building fabric.

The energy demand of the new oven will have a similar profile to existing ovens. The actual demand will be determined as part of site energy efficiency programme.

The steam that condenses in the oven will drain to site effluent treatment plant.

A comprehensive environmental risk assessment of the new steam cooker is included as Attachment 2.3.

### **New Smoker Unit –**

The new smoker unit is to be used for the flavouring of meat products. The smoker unit selected for the site is a Lutetia, log smoke generator, model G.B.1. The user manual for the smoker is included as Attachment 2.1.3 to this application.

When operational the smoker will use on average 32, 4.2kg logs a week. The logs used are virgin untreated timber of different varieties such as oak, cherry wood and hickory.

The power rating for the new smoker unit is 8kW.

The smoker unit will generate smoke using friction and in turn gasification rather than combustion. By generating smoke by gasification fewer substances of concern and particulates are generated than conventional smoking processes. By using friction, less air is required for combustion and in turn less volume of air is emitted to atmosphere.

The new smoker unit is positioned on the motorway side of the production building. This will effectively shield local residents from any noise generated. As a noise source the new smoker unit is not considered significant. This will be confirmed by noise measurements during operation.

The new smoker unit will be cleaned using automated CIP, any effluent generated will be directed to site effluent treatment plant before discharge to sewer.

An environmental risk assessment of the new smoker unit is included as Attachment 2.3 to this application.

#### ***Extension to Blast Freezer -***

To support site production capacity additional blast freezing capacity is required on site. The additional blast freezing will be achieved by extending the footprint of the current blast freezing area.

The refrigeration compressors associated with the site blast freezers will not require expansion due to installed redundant capacity in the original design.

An environmental risk assessment of the proposed new blast freezer is included as Attachment 2.3.

#### ***Surface Water Drainage –***

Following discussions with NRW officers, it was considered appropriate to include the additional surface water discharge point W6 in permit. The discharge point collects roof runoff only, and discharges into drainage line to attenuation pond flowing to Afon Gwili. W6 collects water from roof areas only with the associated drainage sealed at ground level to prevent yard runoff. It is not considered likely for site activities to contaminate W6 runoff.

Due to intermittent flow and low risk of contamination it is not considered appropriate to set emission limit values for W6. To confirm the character of the W6 flow it is proposed to collect monthly samples over a 6month period.

These points are illustrated on drawing included as Attachment 2.1.4 to this application.

It is requested that the permit be varied to reflect this change to surface water monitoring via the replacement of tables 2.2.2.3 and 2.2.2.7 of the permit with the following;

**Table 2.2.2.3 - Emission points to water**

| <b>Emission point<br/>Reference or<br/>description</b> | <b>Source</b>                                                             | <b>Receiving Water</b>                 |
|--------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------|
| W5                                                     | Yard drainage from site discharged via interceptor and attenuation lagoon | Attenuation pond flowing to Afon Gwili |
| W6                                                     | Roof water drainage only.                                                 | Attenuation pond flowing to Afon Gwili |

and;

**Table 2.2.2.9 - Emissions to water**

| <b>Emission point<br/>Reference</b> | <b>Substance /<br/>parameter</b> | <b>Limit</b>                    | <b>Monitoring<br/>frequency</b> | <b>Monitoring<br/>method</b>     |
|-------------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------|
| W5                                  | pH                               | 6.0 – 9.0                       | Monthly                         | As agreed in writing with agency |
| W5                                  | Biochemical Oxygen Demand        | 10 mg/l O <sub>2</sub>          | Monthly                         | As agreed in writing with agency |
| W5                                  | Visible oil                      | No visible oil sheen on surface | Monthly                         | As agreed in writing with agency |
| W5                                  | Ammonia                          | 0.25 mg/l                       | Monthly                         | As agreed in writing with agency |
| W5                                  | Conductivity                     | 1000 µS/cm                      | Monthly                         | As agreed in writing with agency |
| W5                                  | Total suspended solids           | 80 mg/l                         | Monthly                         | As agreed in writing with agency |

**Trade Effluent Discharge Consent -**

The trade effluent discharge consent for the site was varied to allow for the discharge of trade effluent at a rate of not greater than 7 litres per second. A copy of the Dwr Cymru Cyfyngedig variation direction for the trade effluent consent and associated schedules are included as Attachment 2.1.5 to this application. In turn it is requested that Table 2.2.2.9 of permit BU8002 be varied as follows;

**Table 2.2.2.9 - Emissions to Sewer**

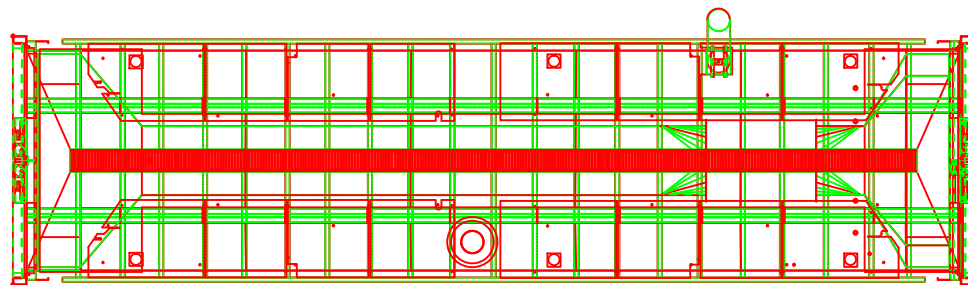
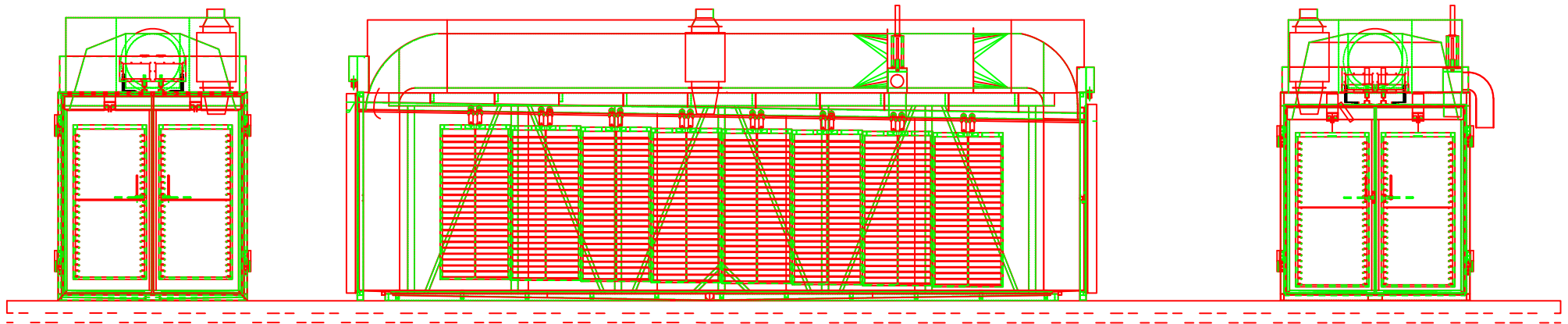
| <b>Emission point Reference</b> | <b>Substance / parameter</b> | <b>Limit</b>        | <b>Monitoring frequency</b> | <b>Monitoring method</b> |
|---------------------------------|------------------------------|---------------------|-----------------------------|--------------------------|
| S1                              | pH                           | 6.0 – 10.0          | Continuous                  | In situ.                 |
| S1                              | Temperature of effluent      | 43°C                | Continuous                  | In situ.                 |
| S1                              | Flow rate of effluent        | 7 litres per second | Continuous                  | In situ.                 |

# Attachment 2.1.1

## Part C2\_General varying a bespoke permit Drg01 – New Steam Oven

LOAD

UNLOAD



TECHNIFORM WATERFORD LTD.  
PH: +353 51 373489 / 37325X: +353 51 3799

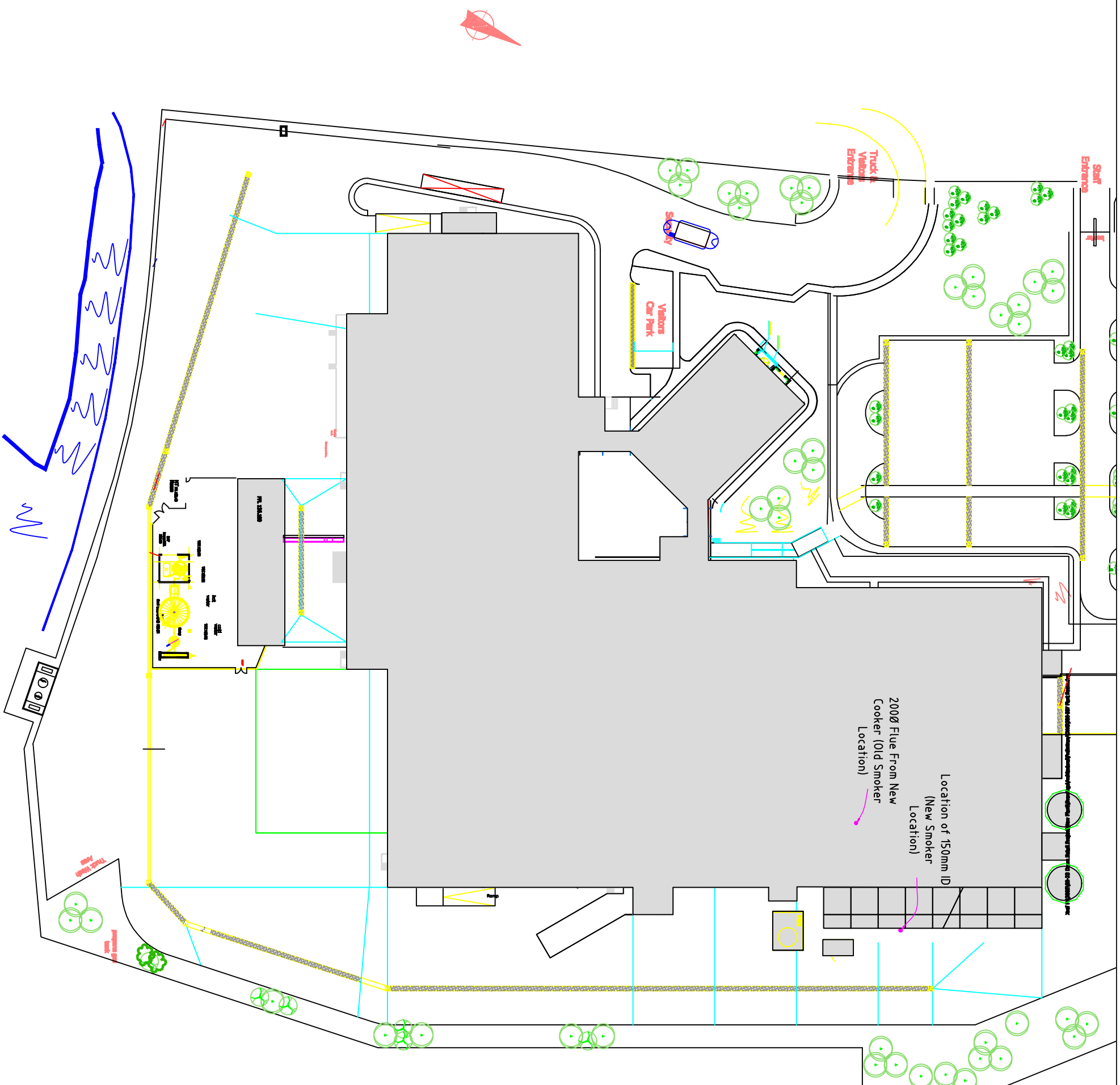
|                                        |                        |
|----------------------------------------|------------------------|
| ALL DIMENSIONS IN m.m. (unless stated) |                        |
| CUSTOMER                               | DAWN GROUP CROSS HANDS |
| JOB NAME/NO.                           | DP00100                |
| DRAWN BY :                             | D FOLEY                |
| DATE:                                  | 05-01-2015             |

## Attachment 2.1.2

Part C2\_General varying a bespoke permit  
New Steam Oven and Smoker Emission Points

Notes:

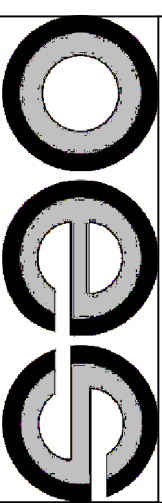
- Air Emission Points



|      |         |             |    |      |     |
|------|---------|-------------|----|------|-----|
|      |         |             |    |      |     |
|      |         |             |    |      |     |
|      |         |             |    |      |     |
|      |         |             |    |      |     |
|      |         |             |    |      |     |
|      |         |             |    |      |     |
|      |         |             |    |      |     |
|      |         |             |    |      |     |
| 00   | 24/3/15 | Final       | GC | ET   | ET  |
| Rev. | Date    | Description | by | ch d | app |

## Dawn Cross Hands Permit Variation

| Title                               |
|-------------------------------------|
| Oven and Smoker Air Emission Points |



## Energy, Environment & Safety

environmental health and safety engineering project management

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Tel.: 353 (0)667128321 Fax: 353 (0)667180061 Email: [info@oes.ie](mailto:info@oes.ie)

| Scales (A2) | NTS | Drng.   | Rev. |
|-------------|-----|---------|------|
| Drawn By.   | GC  | 1260-02 | 00   |
| Ch'd (D.O.) | ET  |         |      |
| Ch'd (Eng.) | ET  |         |      |
| Approved    | ET  |         |      |

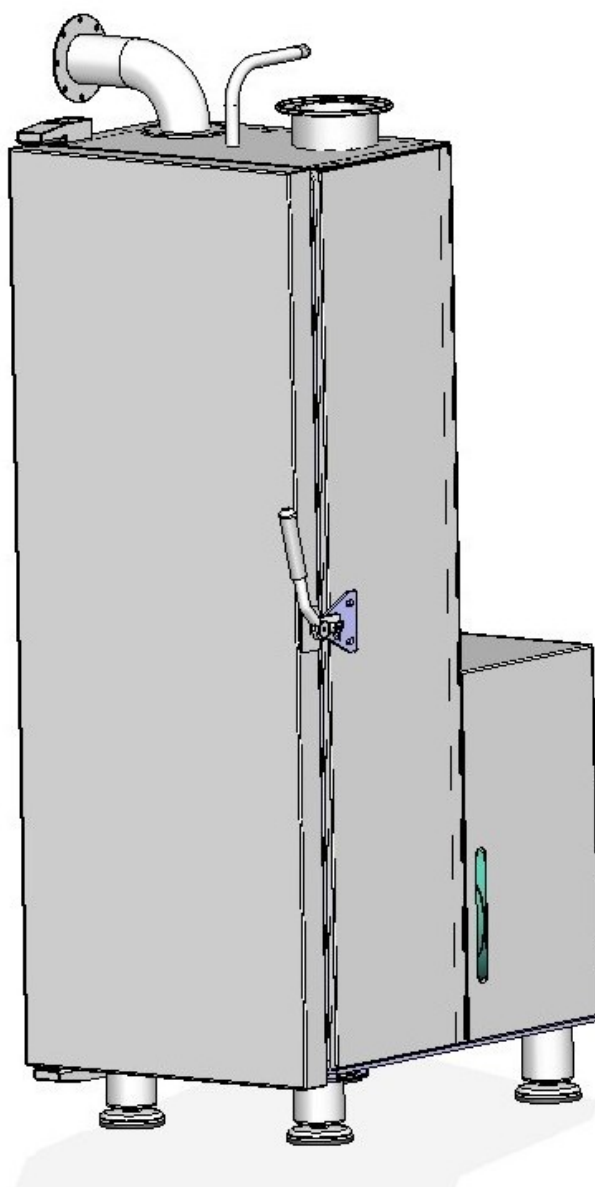
## Attachment 2.1.3

Part C2\_General varying a bespoke permit  
User Manual - Lutetia, log smoke generator, G.B.1



Materials for the food industry

## USER GUIDE LOG SMOKE GENERATOR MODEL G.B.1



## **"EC" DECLARATION OF CONFORMITY**

The undersigned manufacturer: **LUTETIA SAS**  
ZA du Pré de la Dame Jeanne  
BP 4  
60128 PLAILLY  
FRANCE

**Declares that the machine designated below:**

- Designation: **Log Smoke Generator**
- Function: **Smoke production**
- Model: **GB.1**
- Serial number: **12574**
- Year: **2014**

**Meets all the provisions of directive 2006/42/EC on machinery and all the national regulations in which it is transposed.**

**Complies with:**

- **The provisions of the following European Directives:**
  - **low voltage directive 2006/95/EC,**
  - **directive 2004/108/EC,**
  - **directive 2002/95/EC,**
  - **directive 2002/72/EC.**
- **The provisions of the following harmonised standards:**
  - **EN 60204-1,**
  - **NF EN ISO 14121-1,**
  - **NF EN ISO 13857,**
  - **EN ISO 141159,**
  - **NF EN 1672-2.**

In Plailly,  
On 29/01/2014

Name of signatory:  
Xavier THIRODE



**This guide is an integral part of the machine.**

**A copy must be given to any person likely to work on the machine (installation, maintenance, operator, cleaning ...).**

**Client:**

**DAWN GROUP CROSS HANDS**  
 Cross Hands Food Park  
 Lianelli  
 SA14 6RF CARMARTHENSHIRE  
 UNITED KINGDOM  
 Tel.: 353 51 309 200

**Serial number:**

**12574**

**Date of completion:**

**January 2014**

**"EC" conformity plate:**

|                                                                                                            |            |                                 |       |                         |    |
|------------------------------------------------------------------------------------------------------------|------------|---------------------------------|-------|-------------------------|----|
| LUTETIA                                                                                                    |            |                                 |       | CE                      |    |
| DESCRIPTION                                                                                                |            | Log Smoke Generator             |       |                         |    |
| TYPE                                                                                                       | GB.1       | No.                             | 12574 |                         |    |
| MAX CAPACITY                                                                                               | 4 trollevs | YEAR                            | 2014  |                         |    |
| 400                                                                                                        | V          | 50                              | HZ    | 8                       | KW |
|                                                                                                            |            | 350                             | Kg    |                         |    |
| VAPOUR<br>min (bar)                                                                                        | /          | VAPOUR<br>max (bar)             | /     | WATER<br>min (bar)      | 3  |
|                                                                                                            |            | WATER<br>max (bar)              | 4     |                         |    |
| AIR<br>(bar)                                                                                               | 6/8        | LIQUID<br>NITROGEN<br>max (bar) | /     | GLYCOL<br>WATER<br>(C°) | /  |
|                                                                                                            |            | GLYCOL<br>WATER<br>max (bar)    | /     |                         |    |
| ZA du pré de la Dame Jeanne – 60128 PLAILLY – FRANCE<br>Tel. 33(0)3 44 60 70 00 – Fax: +33(0)3 44 60 70 01 |            |                                 |       |                         |    |

The EC conformity plate is positioned on the left-hand side of the electrics cabinet on the smoke generator.

## LUTETIA

**Registered office:**

ZA du Pré de la Dame Jeanne  
60128 PLAILLY  
FRANCE

Tel.: +33 (0)3 44 60 70 00

Fax: +33 (0)3 44 60 70 01

E-mail: [info@lutetia.fr](mailto:info@lutetia.fr)

**[www.lutetia.fr](http://www.lutetia.fr)**

**After Sales Service contact:**

Mr COLLEAUX  
ZA du Pré de la Dame Jeanne  
60128 PLAILLY  
FRANCE

Tel.: +33 (0)3 44 60 70 30

Fax: +33 (0)3 44 60 70 03

E-mail: [sav@lutetia.fr](mailto:sav@lutetia.fr)

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# 1 DESCRIPTION OF THE MACHINE

## 1.1 SCOPE OF APPLICATION

This machine is designed to produce smoke by friction of logs on a rasp.

This machine is designed to be connected to a smoking cell with a capacity varying from 1 to 4 trolleys, with the understanding that this cell is designed for smoking food products (meat, charcuterie, cheese...).

## 1.2 DESIGN

### 1.2.1 CONSTRUCTION

- The machine is made of stainless steel 304 L.
- **The mechanical assembly** (log hopper, log gripper device, rasp...) is placed in a double-skin cabinet with a door to access all this equipment and to load the logs. **The door is reversible and can be hung left or right**, according to the layout on the client's premises.
- **This perfectly airtight double-skin cabinet** is the chamber in which the smoke is produced.
- **The mechanical assembly** is attached to a thick stainless steel base, knowing that:
  - the pneumatic jacks of the log gripper device,
  - the rasp drive motor,are placed outside the double-skin cabinet in an independent stainless steel housing.
- **The rasp is driven by a motor**, with reinforced bearings.  
**7.5 kW engine. Rotation speed 3000 rpm.**
- **An electronic system of regulation** of the pressure of the log on the rasp is a **genuine smoke production meter** (regulation of the air pressure in the pneumatic jacks acting on the mechanical log gripper assembly).

- **The log hopper** contains 3 logs **1000 mm** long with a cross section of **80 / 100** and each log is fed automatically (**providing between 10 and 15 hours of smoke production, according to the type of wood used**).

### **1.2.2 ADDITIONAL EQUIPMENT**

The machine is connected to the water supply.

The water supply is connected to:

- the nozzle for humidifying the lower part of the log that is in contact with the rasp (limits risk of catching fire, humidifies the smoke and evacuates the waste caused by friction).
- the **fire safety nozzle** (of which the solenoid valve is controlled by a **bulb temperature sensor**).

In most cases, it is the same nozzle as for cleaning / rinsing.

- a rotating nozzle for **cleaning** and **rinsing** the upper section, connected directly to the **cleaning device** of the related cell.

Or to the device specific to the smoke generator, if it is connected to a machine not equipped with such equipment.

### **1.2.3 OPERATION / CONTROL**

The machine has an independent stainless steel cabinet (to be installed nearby) containing:

- **the pneumatic equipment**, distributors, pressure regulator, exhaust solenoid valve,
- **the electrical equipment + automaton** (adjustment of **pressing time, water spraying time, pressure...**).

Knowing that, in any case, the starting and end of cycle operations **will be controlled by the cabinet of the appliance associated with the smoke generator**.

## **1.3 TECHNICAL CHARACTERISTICS AND POWER**

### **1.3.1 GENERAL CHARACTERISTICS**

#### **1.3.1.1 DIMENSIONS:**

|             |                                      |
|-------------|--------------------------------------|
| Height      | <b>1880 mm</b> (smoke outlet flange) |
| Width:      | <b>630 mm</b>                        |
| Projection: | <b>900 mm</b> (door closed)          |
| Projection: | <b>1460 mm</b> (door open)           |
| Weight:     | <b>350 kg</b>                        |

#### **1.3.1.2 ELECTRICITY:**

|          |              |
|----------|--------------|
| Voltage: | <b>400 V</b> |
| Power:   | <b>8 kW</b>  |

#### **1.3.1.3 WATER:**

Cold, soft, potable water, approximately 2600 mm off the ground.

|                |                          |
|----------------|--------------------------|
| Min. pressure: | <b>3 bars</b>            |
| Max. pressure: | <b>5 bars</b>            |
| Flow:          | <b>2 m<sup>3</sup>/h</b> |
| Diameter:      | <b>15/21</b>             |

#### **1.3.1.4 FLOW OF SMOKE TO THE CELL:**

|           |               |
|-----------|---------------|
| Diameter: | <b>150 mm</b> |
|-----------|---------------|

#### **1.3.1.5 RETURN OF SMOKE FROM THE CELL:**

|                    |              |
|--------------------|--------------|
| External diameter: | <b>90 mm</b> |
|--------------------|--------------|

#### **1.3.1.6 CONTROL CABINET:**

##### **Dimensions:**

Door closed: **height 700 x width 500 x depth 250 mm**

Door open: **depth 750 mm**

#### **1.3.1.7 COMPRESSED AIR (IN CONTROL UNIT):**

Dry, food grade compressed air.

Pressure: **6/8 Bars**

Diameter: **8 mm**

#### **1.3.1.8 PRODUCTION CAPACITY:**

For a cell with **1 to 4 trolleys** (Trolleys 1000 x 1000 x 2000 mm high)

#### **1.3.1.9 NOISE LEVEL:**

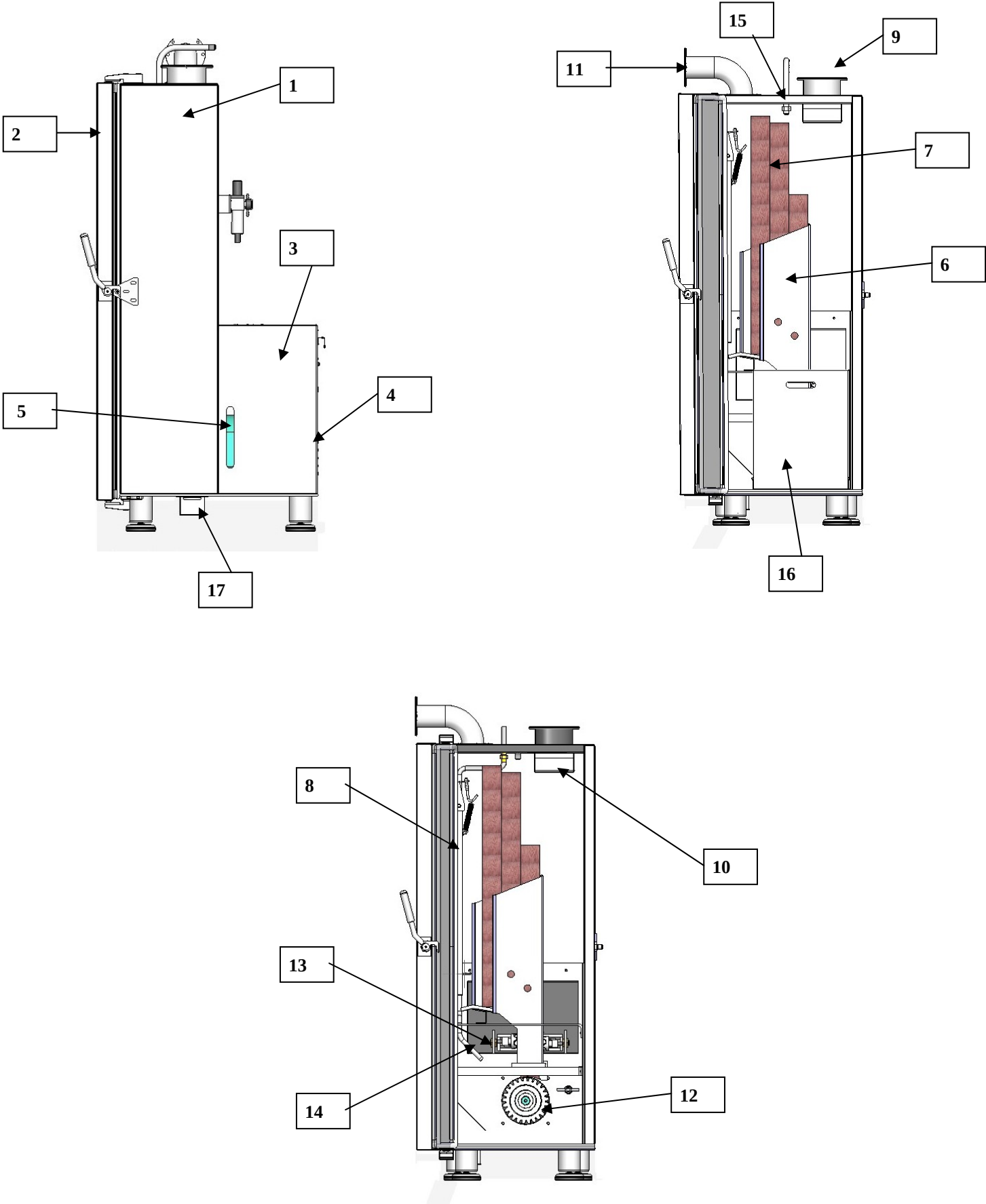
Below 85 dB (GB)

#### **1.3.1.10 DISTANCE BETWEEN GB AND CELL**

**Ideally: next to the cell**

**Max: 3 m.**

# 1.4 DEFINITION OF THE MACHINE'S PARTS



1. Log smoke generator cabinet.
2. Door of log smoke generator cabinet.
3. Housing containing pneumatic jacks and engine.
4. Cooling air inlet grille for engine in housing.
5. Hot cooling air outlet for engine in housing.
6. Log storage hopper.
7. Log reserve.
8. Bar to push logs into hopper.
9. Outlet for smoke into cell, interior diameter 150 mm.
10. Removable smoke cleaning filter before discharge into cell.
11. Return of ambient air from cell (mixture air/smoke) to the log smoke generator (recycling).
12. Rasp.
13. Mechanical log gripper system.
14. Ramp for intermittent watering of log on rasp.
15. Fire extinguishing and cleaning-rinsing ramp.
16. Removable ash tray for recovery of waste from friction and ashes.
17. Evacuation and removable recovery tray of washing water in cabinet (sealed by a siphon).

## 2 GENERAL TERMS AND CONDITIONS OF SAFETY

### 2.1 GENERAL INFORMATION



• **Read this chapter very carefully before installing, using, cleaning or repairing this machine.**

- Safety is everyone's responsibility. A copy of the present manual must be given to any person having to work on the machine (installation, operator, cleaning, maintenance...).
-  This machine must never be used for any purpose other than that for which it is designed.
- For the good working order and the warranty of the machine, we recommend using original LUTETIA parts.
-  Regularly check that the safety devices are in good working order. Do not use the machine if one of the safety devices is damaged.
- Anyone unfamiliar with operating the machine must not touch it.
- The control cabinet is fitted with a disconnecting switch which enables the smoke generator to be isolated.
-  During any interventions on the machine outside normal production, the main disconnecting switch must be locked.
-  For all installation, maintenance and cleaning operations the machine must be idle and the power off.
- The machine must only be started once all the mounted parts and safety devices are in place.
- The machine must be installed in a frost-proof room:
  - In order to prevent the fire safety circuit from freezing.
- If possible the room must have a fire-proof wall.
- The machine must be cleaned regularly in order to prevent it from catching fire, see the "maintenance / cleaning" chapter.
- Before starting the machine, it is important to ensure that there are enough logs in the hopper for the entire smoking cycle programmed within the set time.

- The door to the log hopper must be closed. When the log smoke generator is started, the door is locked automatically.
- Anyone using this machine must wear the appropriate safety equipment: boots, safety goggles, helmet, mask, protective gloves and other recommended equipment.
- Never dismantle or disconnect any part of the machine during operation.

## 2.2 HAZARD LABELS

It is recommended to pay careful attention to all the parts of the machine that may be a hazard. The type of hazard is indicated by a specific label (mechanical, thermal or electric hazard).

## 2.3 SAFETY

Regular maintenance and cleaning will maintain the machine in good working order as well as limit the risk of fire, otherwise facilitated.



- The machine has a door blocking system controlled by a timer. The time is set according to the estimated time required for the rasp to stop.  
(Rotation due to its inertia)

See instructions (label on the door of the log smoke generator).

"Wait until the red light goes out before opening the door".



- It is essential to purge the compressed air circuit before any intervention inside the engine cover and pneumatic jacks.

### 3 TRANSPORT / HANDLING

When moving the machine, the following rules must be observed:

- Take into account the centre of gravity.
- When using appropriate manual or automatic pallet trucks (e.g.: FENWICK), position them so that the load is well balanced.
- If the machine must be moved, ensure that all the connections have been disconnected before moving.

**LUTETIA will not be held responsible in the event of failure to comply with these rules.**

## 4 INSTALLATION

Installation by a LUTETIA technician is recommended.

This machine must be installed in accordance with the safety regulations recommended by LUTETIA.

The installation of the machine does not include, if required, the supply of utilities in the factory or evacuations.

The electrics cabinet must be positioned on the machine or on a wall so it can be easily seen from the machine. In any case, the electrical connections will be borne by the client.

LUTETIA only supplies the machine and its accessories. All evacuation chimneys or other installations required, as well as the inlets and evacuation of liquids and the power supply will be borne by the client.

The smoke generator can be taken outside the room, up to a maximum distance of 3 metres above or alongside the machine to which it will be connected.

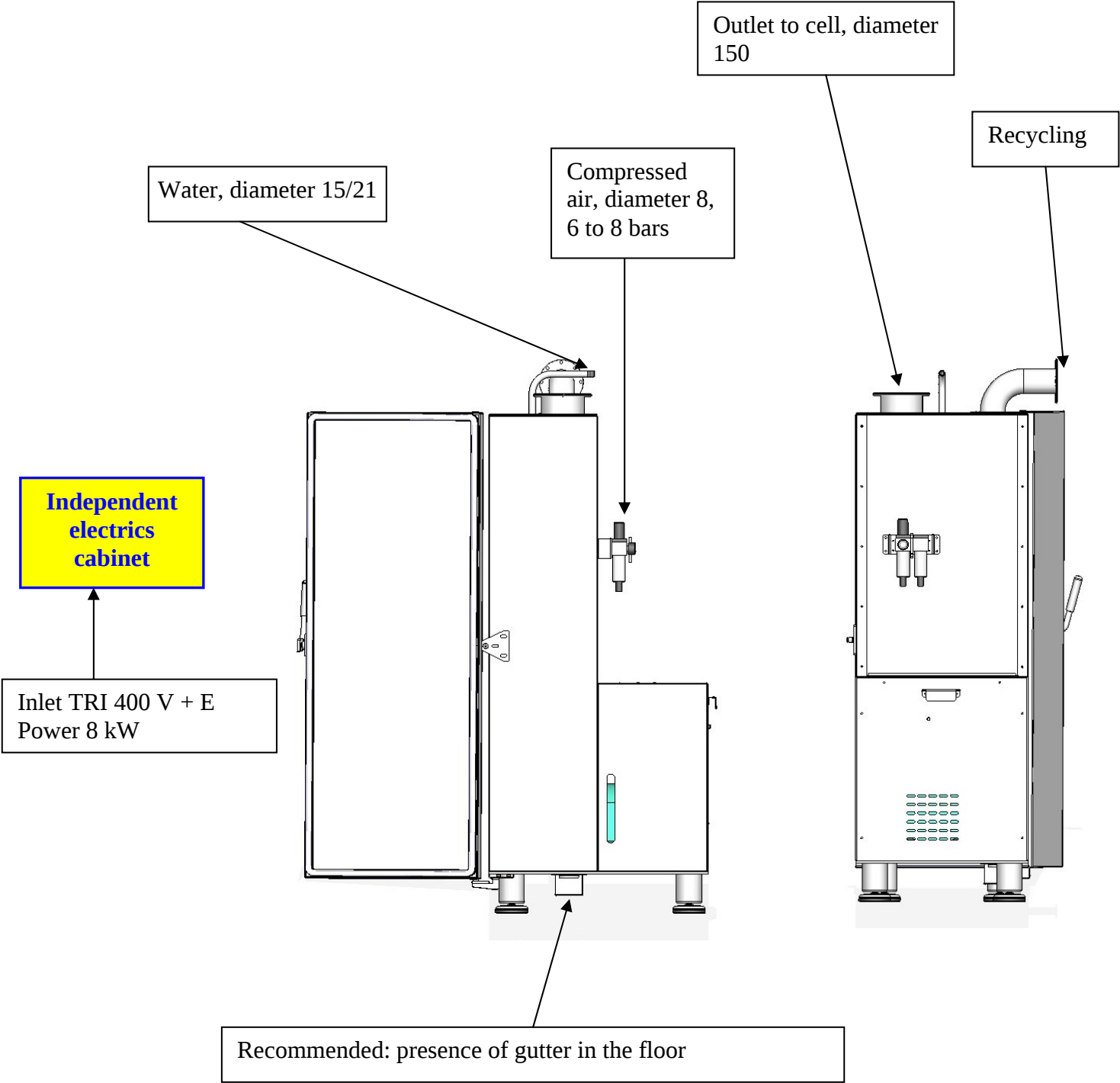
The floor must be flat and horizontal.

**A gutter underneath the log smoke generator is strongly recommended.**

- **Allocations to be planned: (borne by the client)**
  - Electric power supply 400 V + Earth. Protection upstream for a power of 8 kW.
  - Cold water supply diameter 15 / 21, located 2 m off the floor with a sectional valve for a variable pressure of 3 to 4 bars and a 2 m<sup>3</sup>/h flow rate.
  - Compressed air supply, diameter 8 mm, at constant pressure of 6 / 8 bars.
- **Supplied with the log smoke generator: (borne by Lutetia)**
  - Stainless steel piping Ø 150, smoke outlet to cell, connected to inlet on the upper section.
  - Stainless steel piping Ø 88.9, return of smoke from the cell to the generator in the upper section on the left-hand side.

The details concerning the piping depend on the installation as well as the capacity and the configuration of the cell.

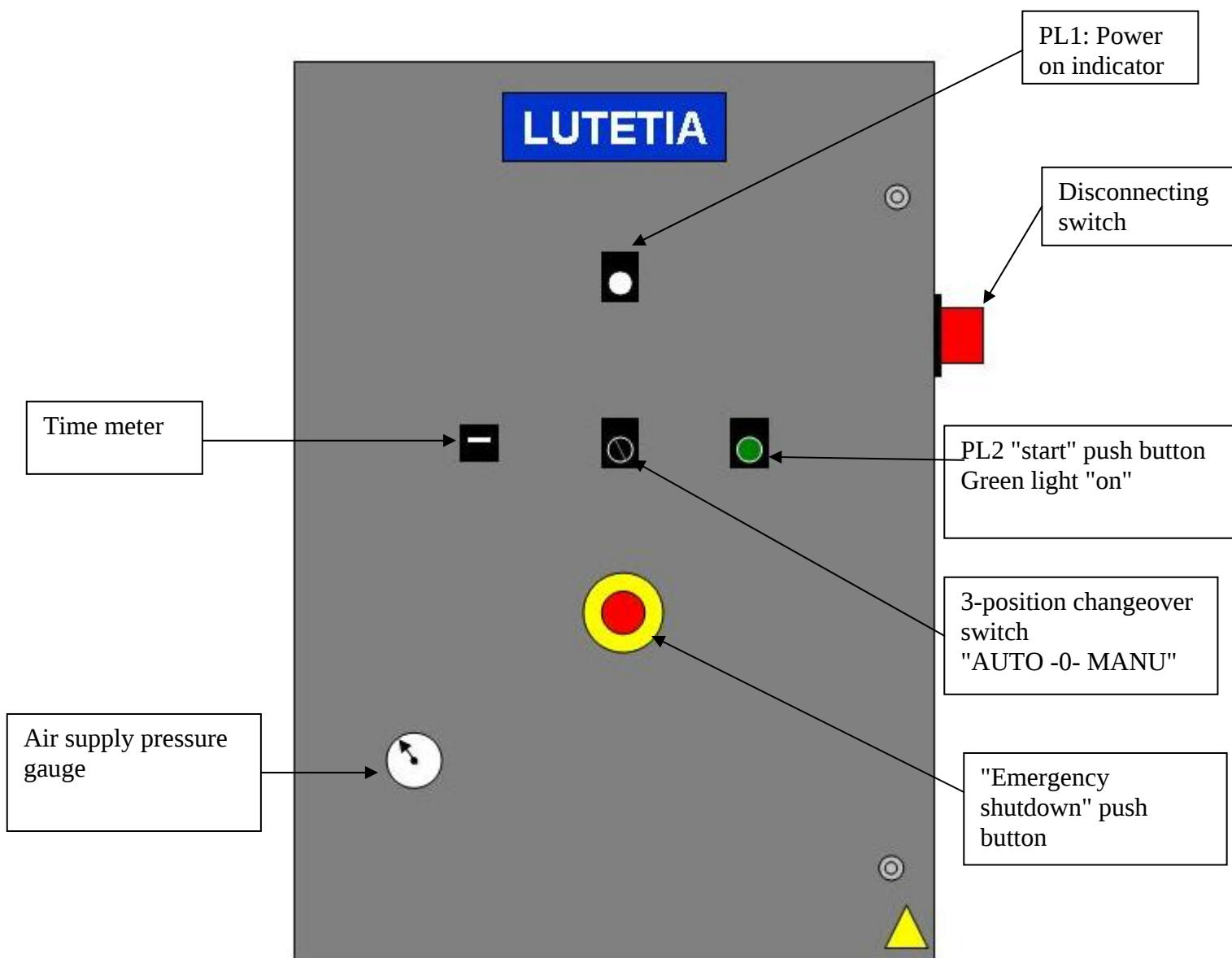
# 4.1 ALLOCATIONS REQUIRED FOR THE INSTALLATION



## 5 USE

 Before carrying out any operation on the machine, consult the safety instructions in chapter 2 of the present notice, **as well as the cleaning instructions** in chapter 6 of the present notice.

### 5.1 INDEPENDENT POWER AND CONTROL ELECTRICS CABINET



## 5.2 CONTROL USING THE CELL

Consult the process step corresponding to the log smoke generator entered in the IMAGO F3000 type microprocessor.

## 5.3 START-UP

- Before use, check that the utilities are correctly connected (electricity, water...).
- The machine must be switched on by a qualified person has who read and understood the safety instructions.
- Make sure that no one is working on the log smoke generator when the doors are closed and when the machine is turned on.

This appliance is designed to produce smoke by friction using logs.

Before starting the generator, it is important to ensure that the logs are correctly positioned in the storage hopper and that there are enough to carry out an entire smoking cycle.

### 5.3.1 **PREPARATION**

- Connect the connecting pipes for the smoke (see installation paragraph)
- Connect the water inlet for the watering, cleaning and fire extinguishing of the generator to a water supply.
- Connection to a compressed air network (Diagram)  
Use the pressure gauge in the control cabinet to connect the compressed air to the Rilsan pipe 8 mm in diameter (6/8 bars).
- Electrical installation:  
Consult the diagrams.  
Connect the 400 V AC to the control cabinet.  
Connect the GB generator to the cell's control cabinet.



- **Check the direction of rotation of the engine. The direction is indicated by an arrow on the label on the engine and jack housing cover.**

- Start-up:

- Fill the storage hopper with a maximum of 3 logs (80 x 100 mm).
- Close the door of the log smoke generator.
- Turn the cabinet on using the disconnecting switch, the power on indicator comes on.
- Turn the changeover switch to "AUTO" (automatic mode) or "MANU" (manual mode)
- Press the green "Start" push button

- Stopping the machine using the control cabinet:

Turn the 3-position changeover switch to "0" and turn the disconnecting switch in the control cabinet to stop the machine.

- End of operation:

**WAIT UNTIL THE RED LIGHT INDICATING THE DOOR IS CLOSED GOES OUT BEFORE OPENING THE DOOR! When the smoking phase ends, the GB generator will also stop.**

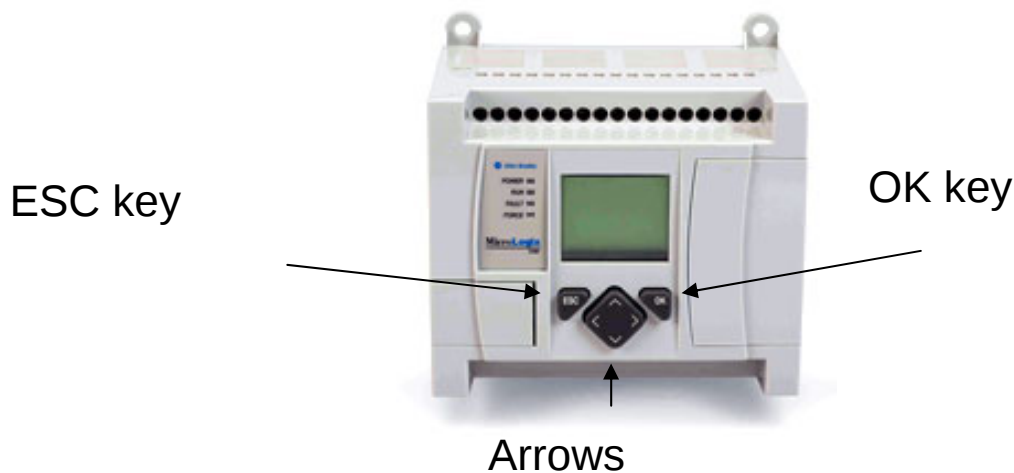
**When the operations are finished, open the system, empty the ash tray and remove the remaining logs.**

### 5.3.2 **ADDITIONAL SETTINGS**

#### **Type of wood and capacity**

The settings are adjusted using the LCD screen on the Micrologix 1100 automaton.

To access the settings, enter the "User display" menu using the arrows and "OK" and "ESC" keys on the automaton.



In the "User display" menu can be found:

1. Type of wood
2. Capacity

- To change the capacity of the cell enter "1" using the arrows and press "OK".  
There are three types of wood:  
0: soft  
1: medium  
2: hard

Select the number using the arrows and press "OK".  
Then exit by pressing the "ESC" key twice.

- To change the capacity of the cell enter "1" using the arrows and press "OK".  
There are two capacities:  
0: 1 to 2 trolleys  
1: 2 to 4 trolleys

Select the number using the arrows and press "OK".  
Then exit by pressing the "ESC" key twice.

To return to the default menu, hold the "ESC" key down for a few seconds.

## 6 MAINTENANCE AND CLEANING

### 6.1 CLEANING OUTSIDE

- Avoid direct contact of the entire operating device with the jet from high pressure cleaners.
- Wash the surfaces with soap and water or a neutral detergent. Rinse with clear water.
- Never scrub the stainless steel with metal wool, only with Scotch-Brite or equivalent if necessary.

### 6.2 MANUAL CLEANING INSIDE



- Clean the different parts using a solution of hot water with concentrated washing soda.
  - It is imperative to clean the following parts regularly: filter, ash tray
  - **The same goes for the rasp for which "manual" and "mechanical" cleaning are preferable knowing that the cleaning products that effectively dissolve smoke and tar deposits can in the long term corrode the rasp which, for reasons of effectiveness, is not made of stainless steel. Consequently, any soaking is banned.**
  - Failure to comply with these rules will lead to the risk of the smoke generator catching fire or malfunctioning.
  - To carry out this cleaning operation, it is recommended to use a non-frothing, soda-based alkaline liquid product (for example: REEN liquid P3 by HENKEL).
- 
- Before starting manual cleaning, check that there are no products inside the cell and that it has been turned off.
  - Put the cleaning system filter in a bowl with the cleaning solution next to the smoke generator.
  - Close the door of the log smoke generator. Turn the 3-position changeover switch to "0" and press the orange "Cleaning" push button. The orange indicator is on throughout the cleaning process and goes out when the cycle has finished.

## 6.3 AUTOMATIC CLEANING INSIDE

- The cleaning of the inside of the log smoke generator is controlled using the LUTETIA cell control system, except in the case of a cell of another manufacturer which does not have the relay available for the cleaning.

### NAF vapour or water system:

- The NAF vapour or water system connected to the vapour or water network directly sucks up the cleaning product solution.
- The water / product mixture obtained is propelled into the rotating nozzles located inside the appliance thus ensuring the entire inside is cleaned.
- The rinsing is carried out via the same piping and nozzles.
- Check that the changeover switch is on "AUTO".
- Before starting the cleaning, check that there are no products inside the cell.
- Put the cleaning system filter in the cleaning bowl next to the smoke generator and check the level of the cleaning product solution.
- Remove the filter and the ash tray.
- Clean the following parts by hand: filter, ash tray.



## 6.4 CLEANING THE PIPES CONNECTING THE APPLIANCE WITH THE CELL

The connecting pipes are cleaned using the cell's automatic cleaning system.

## 6.5 MAINTENANCE

- **Mechanical system:** Verification of the condition of the clamps and the clamping of the logs, the good condition of the surface of the rasp and that the axes are well oiled.
- **Control Cabinet:** Verification of control devices. Tightening of connection terminals. Measurement of the intensity and the setting of the thermal protection; Verification of the case and door seals.
- **Safety device:** Verification that the solenoid water valve is working correctly.

## 7 MAINTENANCE

### 7.1 SAFETY INSTRUCTIONS

Only experienced persons are qualified to carry out maintenance work.  
The safety instructions in this guide must be read and understood before starting any work.  
Never use the control cabinet or any other part of the machine for other purposes.  
Do not change all or part of the machine without the manufacturer's approval.  
Only use original parts supplied by our company.  
Contact our after-sales service for any technical requests.

### 7.2 INDICATOR LIGHTS

PL1: Power on indicator.  
PL2: Green light Log smoke generator on.

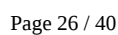
### 7.3 DAILY VERIFICATIONS

**Check:**

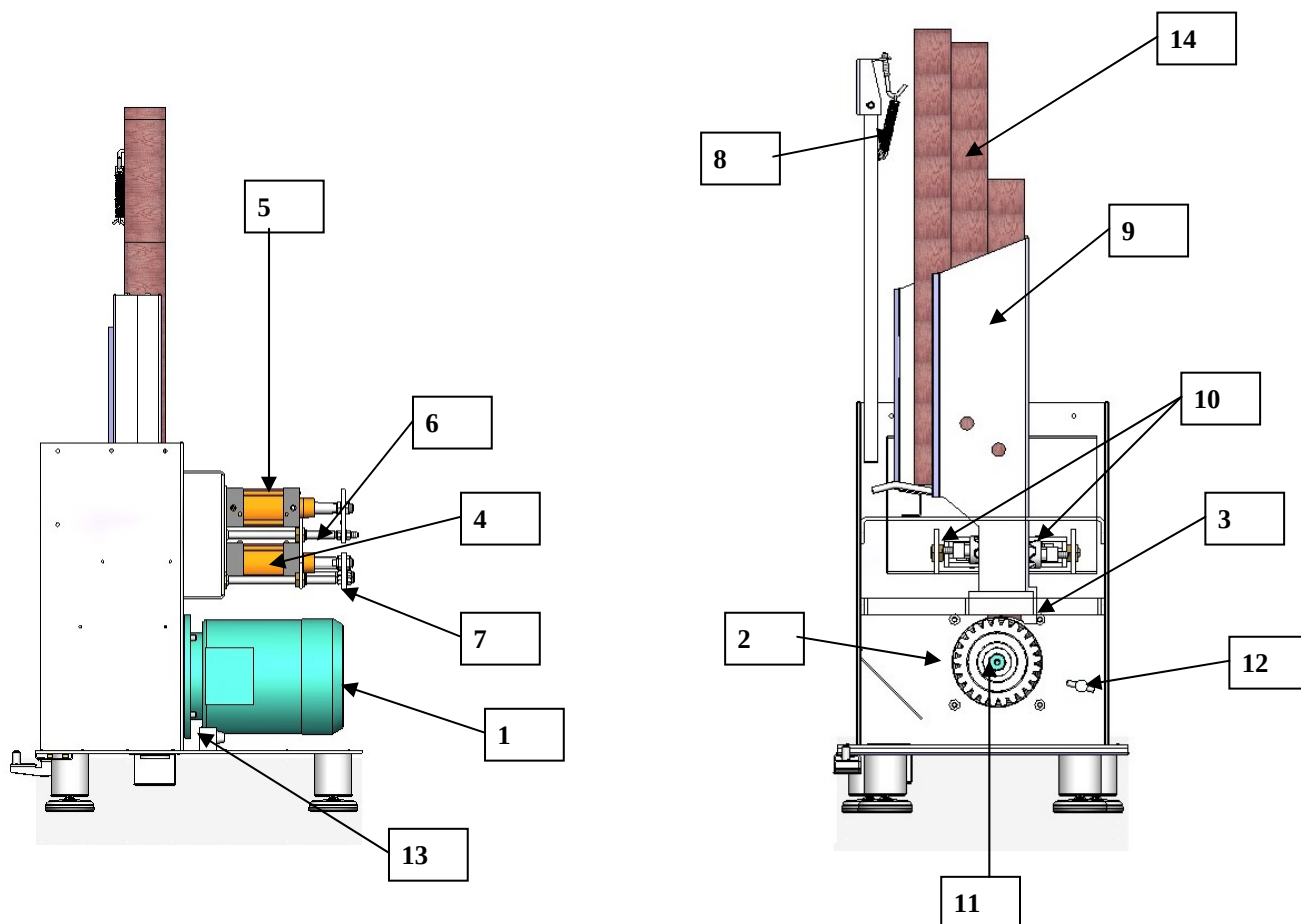
- The condition of the door seal.
- The cleanliness of the rasp.
- The condition of the surface of the rasp (the rasp has undergone surface metallization).
- The tightening of the clamps.
- The good working order of the door safety system.
- The good working order of the spraying device.

## 8.1 ANNEX 1: DIMENSIONAL DRAWINGS

### 8.1.1 DIMENSIONS



## 8.1.2 LIST OF DIFFERENT PARTS



### NAMES OF DIFFERENT PARTS

1. Electric rasp drive motor.
2. Rasp.
3. Guide centring log on rasp.
4. Pneumatic jack to grip the log.
5. Pneumatic jack to press the log on the rasp.
6. Log clamping rod.
7. Rod to press log on rasp.
8. Return spring of lever to push logs in hopper.
9. Log storage hopper.
10. Log clamp.
11. Rasp blocking ring on engine axis.
12. Bulb of thermostat of fire detection temperature probe.
13. Thermostat of fire detection temperature probe.
14. Log reserve.

## 8.4 ANNEX 4: LIST OF SPARE PARTS

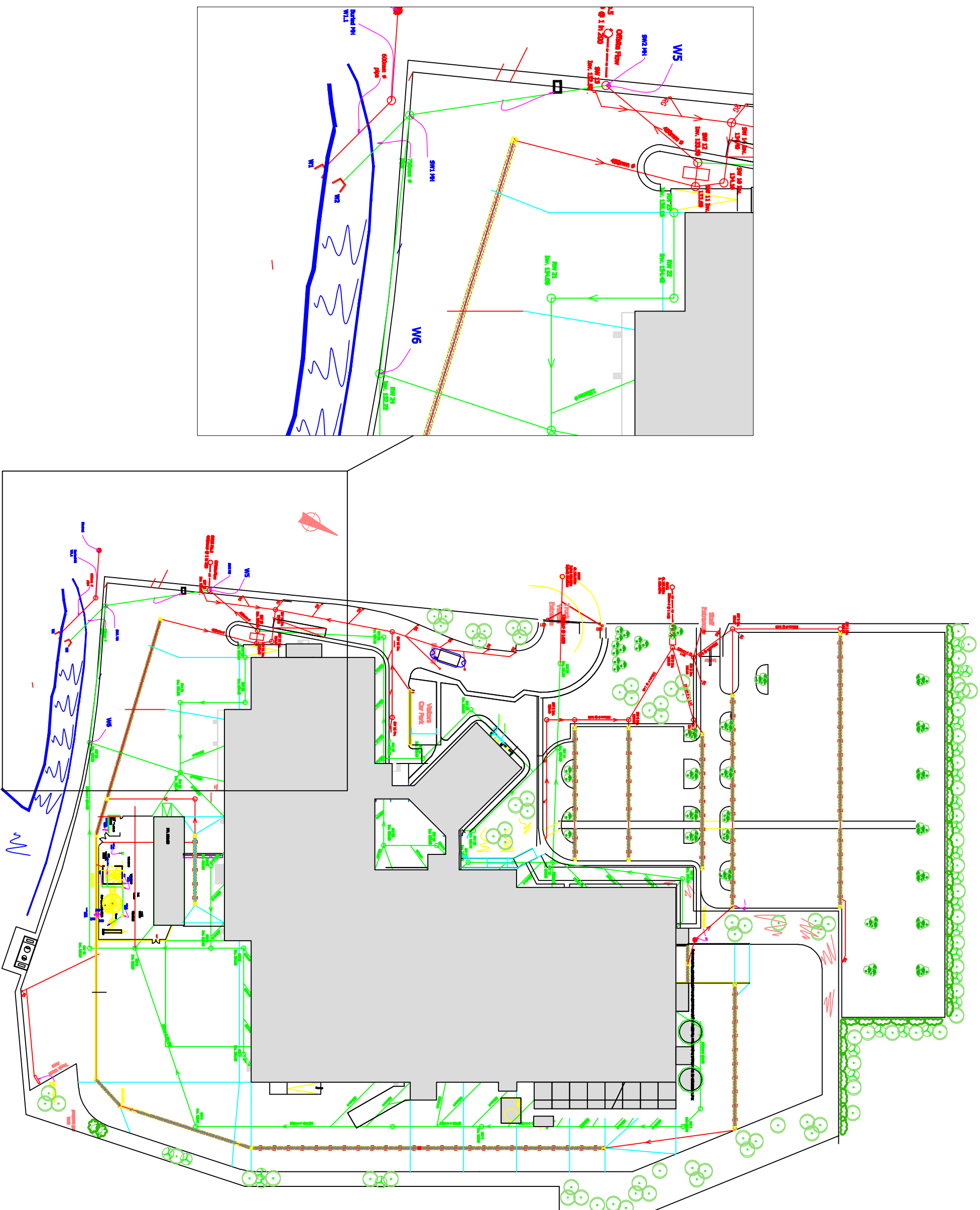
| Code      | Description                                     |
|-----------|-------------------------------------------------|
|           | Engine 7.5 kW                                   |
|           | Engine seal                                     |
|           | Pneumatic jack                                  |
|           | Rotating nozzle                                 |
| 0507-2026 | Door seal                                       |
| 3681-0101 | Rasp                                            |
| 3681-0102 | Rasp blocking ring (coupling)                   |
| 0409-0100 | Solenoid valve 24 V 50Hz 8W 6213 diameter 15/21 |
| 0405-0023 | Solenoid valve EV 220 V B 3/8 (air exhaust)     |
| 1512-0002 | Safety thermostat                               |
|           | Clamps                                          |
|           | Removable cleaning filter                       |
|           | Lever return spring                             |
|           | Pressure regulator 4443011 + elbow connector    |
|           | Air distributor MSV 25                          |
| 0207-0013 | Filter regulator + pressure gauge               |
|           | Pressure gauge 0-6 bars D43                     |
|           | Current transformer TT1AA 502 A                 |
|           | Safety locking switch IV 440G T27256/P          |
|           | Safety module XPSTSA 5142P                      |

# Attachment 2.1.4

## Part C2\_General varying a bespoke permit Site Surface Water Drainage

Notes:

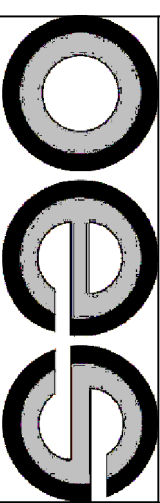
|                       |   |
|-----------------------|---|
| RAIN WATER (ROOFS)    | — |
| SURFACE WATER (YARDS) | — |



|      |         |             |    |      |     |
|------|---------|-------------|----|------|-----|
|      |         |             |    |      |     |
|      |         |             |    |      |     |
|      |         |             |    |      |     |
|      |         |             |    |      |     |
|      |         |             |    |      |     |
|      |         |             |    |      |     |
|      |         |             |    |      |     |
| 00   | 24/3/15 | Final       | GC | ET   | ET  |
| Rev. | Date    | Description | by | ch d | app |

### Dawn Cross Hands Permit Variation

| Title                         |
|-------------------------------|
| Revised Site Surface Drainage |



## Energy, Environment & Safety

environmental health and safety engineering project management

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Tel.: 353 (0)667128321 Fax: 353 (0)667180061 Email: [info@oes.ie](mailto:info@oes.ie)

| Scales (A2) | NTS | Rev.    | Dwg. |
|-------------|-----|---------|------|
| Drawn By.   | GC  |         |      |
| Ch'd (D.O.) | ET  | 1260-02 | 00   |
| Ch'd (Eng.) | ET  |         |      |
| Approved    | ET  |         |      |

# Attachment 2.1.5

Part C2\_General varying a bespoke permit  
Discharge Consent – Direction for Variation

**DWR CYMRU CYFYNGEDIG**  
**THE WATER INDUSTRY ACT 1991**  
**NOTICE OF DIRECTION VARYING A CONSENT**  
**TO DISCHARGE TRADE EFFLUENT INTO A PUBLIC SEWER**

To: **Dawn Meats UK,**

The owner and occupier of the trade premises (hereinafter called ‘the occupiers’), whose registered office is situated at **Michael House, Castle Street, Exeter, EX4 3LQ.**

- (1) A consent (“the consent”) to discharge trade effluent into the public sewer subject to conditions was issued by **DWR CYMRU CYFYNGEDIG** (“the Undertaker”) (or its predecessors) on 1<sup>ST</sup> February 2008 from trade premises at **Dawn Group Cross Hands, Cross Hands Food Park, Cross Hands, Carmarthenshire, SA14 6RF.**
- (2) Notices of Direction (“the previous Directions”) were given in respect of the said discharge on the **N/A** by the Undertaker.
- (3) Except in so far as they are varied by this Direction the conditions and provisions of the Consent and previous Direction shall remain in force and shall apply to the discharge.

The Undertaker hereby gives Notice of its Direction that the conditions attached to the Consent shall be varied with effect from the **17<sup>th</sup> June 2013** by:-

- (I) the revocation of the conditions contained in the Consent, and subsequent directions and;
- (II) the substitution for those conditions of the following conditions.

**DWR CYMRU CYFYNGEDIG** (“the Undertaker”) in the exercise of its powers under Section 121 of the Water Industry Act 1991, and thinking it fit to impose conditions as hereinafter appear, **GIVES ITS CONSENT** to the discharge of trade effluent for the said trade premises into the Undertaker’s public sewers, **SUBJECT TO THE FOLLOWING CONDITIONS AND NOT OTHERWISE**

- (1) The public sewer into which the trade effluent may be discharged is the **150 mm** more particularly identified by means of a line coloured RED drawn on the plan attached hereto and marked “B”.
- (2) The discharge of trade effluent shall be made at the point marked “X” on the said plan and the said trade effluent shall enter into the public sewer shown on the said plan at the point marked “Y” thereon and not otherwise. Further, no connection, linkage, conduit, pipe, channel or other communication whatsoever shall be made to the said sewer between the said points “X” and “Y” without the prior approval in writing of the Undertaker.
- (3) The trade effluent to be discharged shall consist solely of that which is specified in the Trade Effluent Notice or application to discharge in respect of which the Consent was given as varied by any application made for the purpose of this Direction and derived exclusively **from the packaging, processing and cooking of meat**.
- (4) Without prejudice to condition 3 above, the nature and/or composition of the trade effluent which may be discharged is as specified in the FIRST SCHEDULE hereto.
- (5) The Trade Effluent shall not include any substances or properties listed in the SECOND SCHEDULE hereto in concentration greater than stated therein.
- (6) The maximum quantity of trade effluent discharged on any day (being any continuous 24 hour period) shall not exceed **400** cubic metres.
- (7) The highest rate at which trade effluent may be discharged shall not exceed **7** litres per second.

- (8) The trade effluent can be discharged into the public sewer at any time.
- (9) No uncontaminated condensing water shall be discharged.
- (10) There shall be eliminated from the trade effluent before it is discharged the matters listed below:
  - (a) Effluent with a temperature in excess of 43 degrees Celsius (110 degrees Fahrenheit);
  - (b) Petroleum Spirit within the meaning of Section 111 of the Water Industry Act 1991 and/or the Petroleum Act 1928, save as otherwise permitted herein;
  - (c) Other material forming a constituent of the trade effluent, whether alone or in combination with other materials, specified hereby as that which is explosive;
  - (d) Any other substance forming a constituent of the trade effluent which is hereby specified as that which is likely to injure the sewers or to interfere with the free flow of their contents or to affect prejudicially the treatment and disposal of their contents;
  - (e) Any other substance forming a constituent of the trade effluent which is hereby specified as that which in its pure state or in combination with other materials in the contents of the sewer ("the sewage") is capable of producing toxic or flammable vapours.
- (11) No trade effluent shall be discharged the pH value of which is less than **6.0** or greater than **11.0**.
- (12) No trade effluent shall be discharged the nature or composition of which includes a matter, substance, property or matters, substances or properties which would constitute the trade effluent as Special Category Effluent within the meaning of Section 138 of the Water Industry Act 1991.

- (13) The Occupier shall give to the Undertaker prior written notice of any change in the process of manufacture, materials, or other circumstances howsoever arising capable of altering the nature and/or composition of the trade effluent. No new substances or properties shall be discharged until the Undertaker has agreed thereto, either with or without imposing a limit and thereafter the said substance(s) and/or property(ies) shall be deemed incorporated into the SECOND SCHEDULE.
- (14) An inspection chamber or manhole shall be provided and maintained by the Occupier in a suitable position and/or at the point marked "X" on the plan annexed hereto in connection with each pipe through which the trade effluent is discharged and such inspection chamber or manhole shall be constructed and maintained in accordance with the Undertaker's reasonable requirements as from time to time notified in writing to the occupier so as to enable a person readily at any time to take samples of the trade effluent being discharged.
- (15) A notch gauge, continuous recorder or some other apparatus suitable and adequate to the Undertaker for measuring and automatically recording the volume and rate of trade effluent so discharged shall be provided, such apparatus to be tested and maintained in accordance with the Undertaker's reasonable requirements as from time to time notified in writing to the Occupier.
- (16) Apparatus capable of accurately determining, measuring and recording the nature and/or composition of the trade effluent discharged shall be provided, such apparatus to be tested and maintained in accordance with the Undertaker's reasonable requirements as from time to time notified in writing to the Occupier.
- (17) The Occupier shall keep records of the volume, rate, nature and/or composition of the trade effluent discharged into the sewer at all times available for inspection by any authorised officer of the Undertaker and copies of such records shall be sent to the Undertaker on demand.

- (18) (a) The Occupier shall pay to the Undertaker charges for the reception, conveyance, treatment and disposal of the trade effluent and the costs of sampling, measuring and/or analysis of the same under the Undertaker's trade effluent's functions, which charges shall be determined as set out below, and all sums payable under this condition shall be payable upon demand;
- (b) The charges under (a) above shall be calculated in accordance with Undertaker's Scheme of Charges as from time to time amended;
- (c) For the avoidance of doubt, the charge shall be payable by any person who is or was the Occupier of the said trade premises during the period of discharge of the trade effluent or at the time payment is due.
- (19) If the notch gauge, meter, recorder or other apparatus ceases to record or is suspected of not recording and/or measuring accurately, the quantity of trade effluent discharged into the sewer during the period from the date and/or time at which the records were last accepted by the Undertaker as being correct up to the date when the notch gauge, meter, recorder or other apparatus again registers accurately shall for the purpose of any payment to be made under these conditions be based on the average daily volume of trade effluent discharged during the preceding period over which the records were last accepted by the Undertaker as being accurate or during the month immediately after the notch, gauge, meter, recorder or other apparatus or means of measurement and recording has been accurate whichever is the higher.

## **YOUR RIGHT OF APPEAL**

Section 126 of The Water Industry Act 1991 provides that:-

The Owner or occupier of any trade premises may within 2 months of this Notice of Direction (or with the written permission of the Director General of Water Services at any later time) appeal to the Director against the Direction.

The Director has the power to annul the Direction and to substitute for it any other Direction wherever more or less favourable to the appellant.

The address of the Director for the purpose of an appeal is (Centre City Tower, 7 Hill Street, Birmingham, B5 4UA)

## **FAILURE TO COMPLY WITH CONDITIONS**

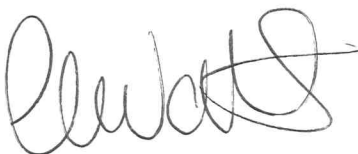
If in the case of any trade premises a condition of the Consent or this Direction is contravened, the occupier of the premises will be guilty of an offence and liable on conviction by a Magistrates' Court to a fine not exceeding the statutory maximum or on conviction by the Crown Court to an unlimited fine

## METHOD OF ANALYSIS

Compliance with the conditions herewith shall be ascertained by reference to the method of analysis as from time to time employed by the Undertaker, its servants, agents or contractors, save where the said condition(s) otherwise expressly provide(s)

DATED 11<sup>th</sup> June 2013

For and on behalf of the Company

A handwritten signature in black ink, appearing to read 'Clare Walters', with a stylized flourish at the end.

Clare L. Walters

Head of Science and Business Improvement

Dwr Cymru Cyf  
Pentwyn Road  
Nelson  
Treharris  
Caerphilly

**SCHEDULE ONE**

## Nature and composition

The Trade Effluent may contain the following substances:-

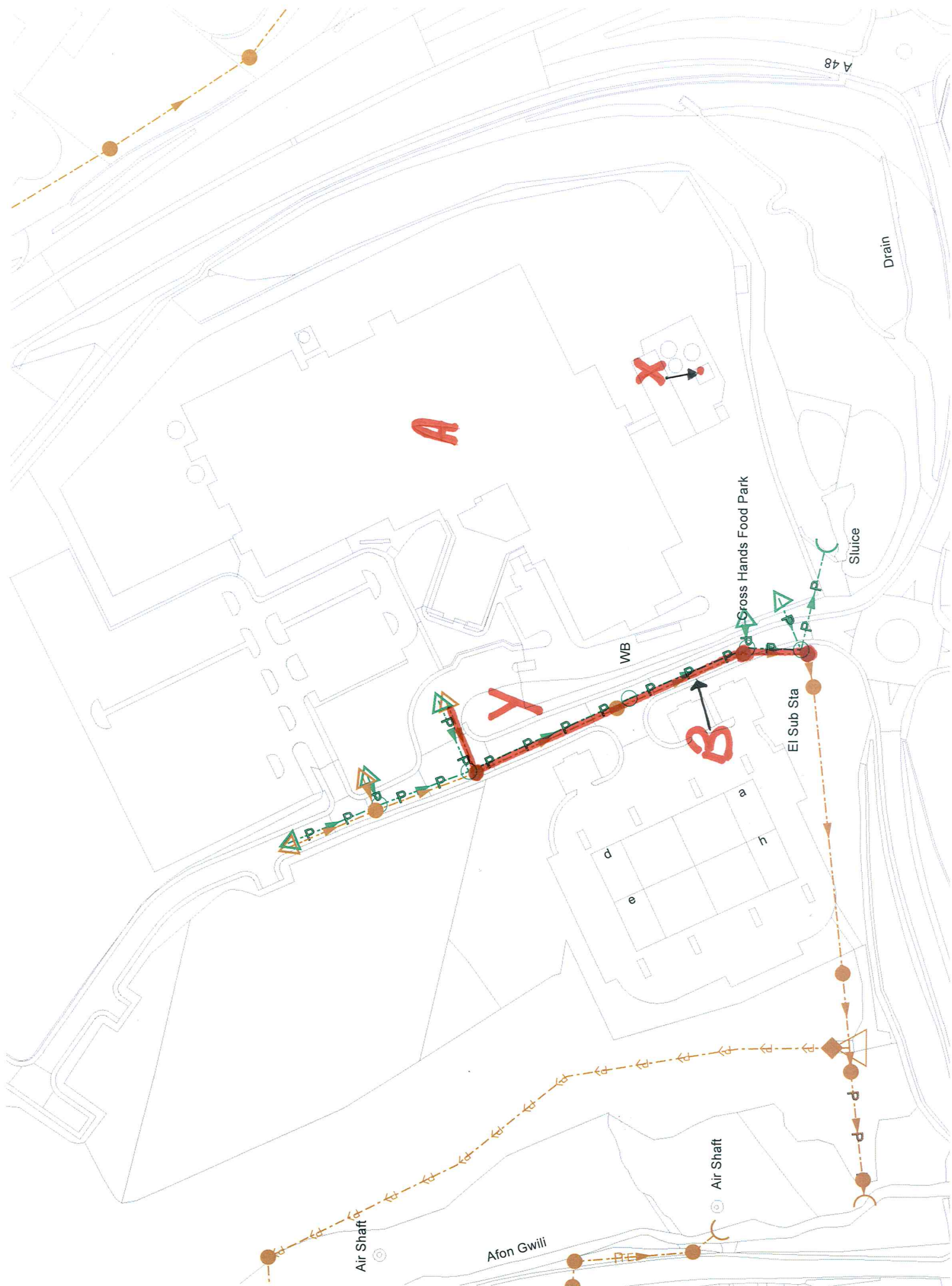
1. Water (including such elements, compounds and organisms normally present in water at trace or harmless levels and not exceeding such level as may be imposed by any Regulations for the time being regulating the quality of drinking water).
2. Suspended solids.
3. Ammoniacal nitrogen.
4. Fats, oil and grease.

**SCHEDULE TWO**

1. The chemical oxygen demand of the trade effluent after one hour quiescent settlement at pH 7 shall not exceed **2500 milligrams per litre.**
2. Total ammoniacal nitrogen shall not exceed **150 milligrams per litre.**
3. Total suspended solids shall not exceed **600 milligrams per litre.**
4. Total free and/or emulsified fats, oil and grease shall not exceed **100 milligrams per litre.**

**SCHEDULE THREE**

N/A



# Attachment 2.2

## Part C2\_General varying a bespoke permit Non-Technical Summary

|                                          |                       |
|------------------------------------------|-----------------------|
| <b>Document Ref:</b>                     | C2_5c                 |
| <b>Document Title:</b><br><b>Part C2</b> | Non-Technical Summary |

The purpose of this application for variation is to amend the site environmental permit to reflect the following;

- New Steam Oven
- Relocation of product smoking process
- Extension to blast freezer
- Update of surface water emission points
- Update of emission limit values for discharge to sewer

The risks to the environment associated with the above have been investigated and considered insignificant and not likely to have a detrimental effect on the environment or human health.

The proposed changes will not result in noise beyond the installation boundary that would be reasonable cause for annoyance. The new oven will be located inside production building; any noise will be attenuated by building fabric. The smoker unit has a low sound power level and will be located on the side of the building facing the motorway and away from local housing estate.

The proposed changes will not result in offensive odour beyond the installation boundary. The new steam oven will cook meat products in sealed bags and hence cooking odours will be minimised.

The proposed changes to the permit will not result in the generation of additional waste streams.

Additional effluent generated during the operation and cleaning of steam oven and the cleaning of the smoker will be directed to site effluent treatment plant before discharge to sewer.

The energy requirements for the proposed changes have been considered during design stages and measures taken to minimize such where possible, subject to food safety and customer specifications. The site energy management system will drive continued improvements in energy efficiency.

The site operates under an environmental management system accredited to ISO14001.



# Attachment 2.3

Part C2\_General varying a bespoke permit  
Environmental Risk Assessment of Proposed Changes

# Dawn Cross Hands

Cross Hands  
Carmarthenshire  
SA14 6RF



Environmental Risk Assessment in support of  
application to vary permit  
Ref: EPR/BU8002IT

March 2015



ENVIRONMENT  
ISO 14001:2004  
NSAI Certified



HEALTH  
& SAFETY  
OHSAS 18001:2007  
NSAI Certified



QUALITY  
ISO 9001:2008  
NSAI Certified



## Control Sheet

|                        |                    |                                                                                             |                      |                                                      |             |
|------------------------|--------------------|---------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------|-------------|
| <b>Document Title:</b> |                    | Environmental Risk Assessment in support of application to vary permit<br>Ref: EPR/BU8002IT |                      | <b>Document No.</b>                                  | R1_1260_02  |
| <b>Rev</b>             | <b>Description</b> | <b>Originator</b>                                                                           | <b>Reviewer</b>      | <b>Change</b>                                        | <b>Date</b> |
| 00                     | Draft              | <i>EA Tully</i>                                                                             | <i>Timothy Smith</i> |                                                      | 27/03/2015  |
| 00                     | final              | <i>EA Tully</i>                                                                             | <i>Timothy Smith</i> | Added risk matrix table and revised risk assessment. | 15/04/2015  |
|                        |                    |                                                                                             |                      |                                                      |             |
|                        |                    |                                                                                             |                      |                                                      |             |

*This report is produced solely for the benefit of Dawn Meats UK, and no liability is accepted for any reliance placed on it by any other party unless specifically agreed in writing otherwise. This report refers, within the limitations stated, to the condition of the site at the time of the risk assessment. No warranty is given as to the possibility of future changes in the condition of the site.*

Dawn Cross Hands (Dawn Meats U.K)  
Cross Hands  
Carmarthenshire  
SA14 6RF

Environmental Risk Assessment in support of  
Application to vary permit Ref: EPR/BU8002IT

## Contents

---

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| <b>1.</b> | <b>Introduction .....</b>   | <b>1</b> |
|           | 1.1. <i>Background.....</i> | <i>1</i> |
|           | 1.2. <i>Scope .....</i>     | <i>1</i> |
| <b>2.</b> | <b>Methodology .....</b>    | <b>1</b> |
| <b>3.</b> | <b>Risk Assessment.....</b> | <b>3</b> |

## **1. Introduction**

The following Environmental Risk assessment has been produced to support the application by Dawn Cross Hands (Dawn Meats UK) to vary the conditions of their environmental permit EPR/BU8002IT.

*The following environmental risk assessment uses a source receptor format to determine the level of environmental risk on the Dawn Cross Hands site. This approach is suggested by Environmental Agency Horizontal Guidance H1.*

### **1.1. Background**

This work was commissioned by Dawn Meats (UK) Ltd to support the application for a variation to the existing permit EPR/BU8002IT.

### **1.2. Scope**

This Environmental Risk Assessment refers to the activity changes on the Dawn Cross Hands site. The purpose of the assessment is to establish what risks the site operations pose on the environment.

## **2. Methodology**

The following risk assessment assesses the risk of the activity changes on the environment. The Hazards associated with site activities are first summarised, followed by likely receptor and the pathway by which a receptor will be affected.

In the assessment of each activity a summary of risk management techniques is provided to feed into the basis for determining the probability of exposure.

Following a review of the activity, hazard, receptor, pathway and risk management technique the probability of occurrence is determined. For this assessment the probability of occurrence follows a sliding scale and can be one of the following; impossible, unlikely, may or may not occur, likely or certain. The consequences of an event are scaled from none, low, and medium to high.

The overall risk to the environment is characterised from low to unacceptable.

The overall risk to the environmental was determined based on the risk matrix as presented in Table 1 below –

| Probability of exposure  | Consequences |              |                 |               |
|--------------------------|--------------|--------------|-----------------|---------------|
|                          | 1 - No risk  | 2 - Low risk | 3 - Medium risk | 4 - High risk |
| A - Impossible           | 1A           | 2A           | 3A              | 4A            |
| B- Unlikely              | 1B           | 2B           | 3B              | 4B            |
| C- May or may not happen | 1C           | 2C           | 3C              | 4C            |
| D- Likely                | 1D           | 2D           | 2D              | 4D            |
| E- Certain               | 1E           | 2E           | 3E              | 4E            |
|                          |              |              |                 |               |
| Unacceptable             | High         | Moderate     | Low             |               |

**Table 1 : Risk Assessment Matrix.**

### 3. Risk Assessment

#### Dawn Cross Hands (Dawn Meats UK) – Environmental Risk Assessment

| Ref             | Activity/location                              | Hazard                                                  | Receptor                            | Pathway              | Risk Management                                                                                                                                                                                                                                                                                                                                      | Probability of exposure | Consequences                                                                                  | Overall Risk |
|-----------------|------------------------------------------------|---------------------------------------------------------|-------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------|--------------|
| <b>New Oven</b> |                                                |                                                         |                                     |                      |                                                                                                                                                                                                                                                                                                                                                      |                         |                                                                                               |              |
| 1               | Heating Oven                                   | CO <sub>2</sub> Emissions and climate change            | Atmosphere                          | Air - site boilers   | Ovens are heated via integrated heat exchanger heated by site steam. Steam on site is raised in shell and tube boilers. Lead boiler is fitted with economiser. Site measures fuel usage and review such as a key performance indicator on a weekly basis. KPI is used as a baseline to reduce fuel usage and highlight deviations from normal usage. | Likely                  | Low - site emissions of CO <sub>2</sub> are low in comparison to other industrial activities. | Moderate     |
| 2               | Heating Oven                                   | NO <sub>x</sub> Emissions , impact on local air quality | Ambient air quality                 | Air - site boilers   | Ovens are heated via integrated heat exchanger heated by site steam. Site boilers are fitted with low NO <sub>x</sub> burners and burn natural gas. Boiler oxygen trim is continuously controlled via inline oxygen sensor. Site burners are maintained regularly to ensure efficient combustion.                                                    | Likely                  | Low - emission from site were considered insignificant at time of permitting.                 | Moderate     |
| 3               | Heating Oven                                   | Resource depletion of fuels                             | Resources                           | Fuels - site boilers | Site use natural gas to fire boilers. Site measures fuel and water usage and review such as key performance indicators on a weekly basis. KPI is used as a baseline to reduce fuel usage and highlight deviations from normal usage.                                                                                                                 | Likely                  | Low - site fuel usage is low in comparison to other industrial activities.                    | Moderate     |
| 4               | Product cooking                                | Odour impact on people offsite                          | Housing estate 375m NW of the site. | Air - emission point | Produce is individually sealed in packaging in turn cooking vapours are minimised. Cooking vapours are not offensive.                                                                                                                                                                                                                                | Unlikely                | Low - there will be no offensive odours from the new oven.                                    | Low          |
| 5               | Product cooking condensate/ effluent discharge | Visible Plume - visual impact                           | Housing estate 375m NW of the site. | Air - emission point | Oven is vented at the end of the cooking cycle at which point a large portion of the steam has condensed inside oven. Emission point is at roof level at 0.83m <sup>3</sup> /sec. Emission is infrequent. Steam emission is unlikely to cross site boundary.                                                                                         | Unlikely                | Low - emission from site is not of sufficient volume to be considered significant.            | Low          |
| 6               | Product cooking condensate/ effluent discharge | Effluent treatment plant inhibition                     | Sewer                               | Process drains       | Effluent is for the majority warm water, apart from wash-down of cleaning agents during cleaning. Volume of effluent is considered to be less than 50m <sup>3</sup> /week (7m <sup>3</sup> /day)                                                                                                                                                     | Unlikely                | low - site effluent treatment plant is of sufficient size to treat effluent.                  | Low          |
| 7               | Product cooking condensate/ effluent discharge | Soil/groundwater contamination.                         | Soil/groundwater                    | Process drains       | Drains are of stainless steel construction. Effluent is for the majority warm water, apart from wash-down of cleaning agents during cleaning. Volume of effluent is considered to be less than 50m <sup>3</sup> /week (7m <sup>3</sup> /day)                                                                                                         | Unlikely                | low - site effluent is of low polluting strength.                                             | Low          |
| 8               | Plant cleaning                                 | Raw materials usage                                     | Raw materials                       | Cleaning chemicals   | Surfaces of oven are of a smooth finish so as to prevent fouling and aid cleaning. Staff are trained in the efficient use of cleaning products.                                                                                                                                                                                                      | Likely                  | Low - cooker discharges to ETP, low volume of cleaning agents required.                       | Moderate     |

| Ref                        | Activity/location           | Hazard                                             | Receptor                            | Pathway                | Risk Management                                                                                                                                                                                                                                                                                                                              | Probability of exposure | Consequences                                                                                                          | Overall Risk |
|----------------------------|-----------------------------|----------------------------------------------------|-------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------|
| 9                          | Fire                        | Localised fire associated with cooker system       | Air - general                       | Air                    | Cooker is steam heated via integrated heat exchanger and thus limited ignition source. Cooker and is manufactured of materials of very low combustible load. Cooking medium is steam and in turn cooker is not capable of reaching temperatures high enough to ignite produce. Area is monitored by fire detection system.                   | Unlikely                | Low - if fire was to start there is a low combustible load. Area drains to site ETP where firewater can be contained. | Low          |
| 10                         | Plant lubrication/chemicals | Contamination of soil/groundwater/surface water    | Soil/groundwater                    | Surface runoff/spill   | Only food grade lubricants are used. Only competent trained staff are permitted to maintain plant. The internal area around cooker is protected by hard standing that drains the ETP.                                                                                                                                                        | Unlikely                | Low - effluent is produced in small volumes.                                                                          | Low          |
| 11                         | Plant lubrication/chemicals | Effluent treatment plant inhibition                | Sewer                               | Process drains         | Only food grade lubricants are used. Only competent trained staff are permitted to maintain plant. DAF is designed to collect grease.                                                                                                                                                                                                        | Unlikely                | Low - effluent is produced in small volumes.                                                                          | Low          |
| 12                         | Oven operation              | Waste Generation                                   | Waste                               | Waste Generation       | During normal operation the oven does not generate waste. Temperature cycles are controlled via programmable logic controller. Some waste may be generated via plant maintenance.                                                                                                                                                            | Unlikely                | Low - little or no waste generated.                                                                                   | Low          |
| 13                         | Oven operation              | Noise that would be reasonable cause for complaint | Housing estate 375m NW of the site. | Air                    | Oven is housed inside building and fans are local to oven. Fans are not significant sources of noise. Building fabric will attenuate any noise. Oven is maintained as per computerised maintenance management system.                                                                                                                        | Unlikely                | Low - background noise is likely high due to motorway.                                                                | low          |
| <b>Log Smoke Generator</b> |                             |                                                    |                                     |                        |                                                                                                                                                                                                                                                                                                                                              |                         |                                                                                                                       |              |
| 14                         | Smoke generation            | Impact on local air quality                        | Housing estate 375m NW of the site. | Air                    | Smoke is generated using friction and in turn gasification rather than combustion. By generating smoke by gasification; fewer substances of concern and particulates are generated than conventional smoking processes. Untreated timber is used. Emission from smoker is emitted above roof level.                                          | Unlikely                | Low - emission is of low volume and contains less substances of concern than conventional wood combustion.            | Low          |
| 15                         | Smoke generation            | Odour impact on people offsite                     | Housing estate 375m NW of the site. | Air                    | Emissions from the smoker are of low volumes and emitted from stack above roof height. Receptor is at sufficient distance away to allow for effective dispersion.                                                                                                                                                                            | Unlikely                | Low - low volume emitted from smoker.                                                                                 | Low          |
| 16                         | Smoke generation            | Emissions to surface water                         | Surface water                       | Surface water drainage | Smoking is a dry process. During cleaning effluent is piped to process drains for treatment in site ETP.                                                                                                                                                                                                                                     | Unlikely                | Low - process is dry, effluent from cleaning is directed to process drains.                                           | Low          |
| 17                         | Smoke generation            | Effluent treatment plant inhibition                | ETP inhibition                      | Process drains         | Smoking is a dry process. During cleaning effluent is piped to process drains for treatment in site ETP. Staff are trained in the efficient use of cleaning chemicals. Unit is cleaned using automated CIP. Small volumes of cleaning chemicals are used. Cleaning chemicals used are compatible with site ETP and activated sludge process. | Unlikely                | Low - site etp discharges to sewer                                                                                    | Low          |

| Ref                                    | Activity/location | Hazard                                             | Receptor                            | Pathway              | Risk Management                                                                                                                                                                            | Probability of exposure | Consequences                                                                                                                                                    | Overall Risk |
|----------------------------------------|-------------------|----------------------------------------------------|-------------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 18                                     | Smoke generation  | Resource usage                                     | Raw materials                       | Wood                 | Untreated wood logs are used to generate smoke. The quantities of wood used is minimised as the smoke is generated via friction.                                                           | Likely                  | Low - the smoker unit uses on average 30, 4.5kg logs a week.                                                                                                    | Moderate     |
| 19                                     | Smoke generation  | Energy use                                         | Energy                              | Energy consumption   | Site measures energy usage and reviews such as a key performance indicator on a weekly basis. KPI is used as a baseline to reduce energy usage and highlight deviations from normal usage. | Likely                  | Low -the smoker has a power rating of 8KW.                                                                                                                      | Moderate     |
| 20                                     | Smoke generation  | Visible Plume - visual impact                      | Housing estate 375m NW of the site. | Air - emission point | Emissions from smoker are free from moisture. Volume of flow is not significant.                                                                                                           | Unlikely                | Low -low volume flow                                                                                                                                            | Low          |
| 21                                     | Smoke generation  | Noise that would be reasonable cause for complaint | Housing estate 375m NW of the site. | Air                  | Plant is maintained as part of a computer maintenance management system. Smoker has low potential for generating noise. Smoker is located on motorway side of site.                        | Unlikely                | Low - unit has low potential for generating noise.                                                                                                              | Low          |
| 22                                     | Smoke generation  | Waste Generation                                   | Waste                               | Waste Generation     | Waste is limited by ensuring correct operation as per manufacturer's instructions. During normal operation no waste is generated.                                                          | Unlikely                | Low - low volume of waste produced.                                                                                                                             | Low          |
| <b>2015 Extension to blast freezer</b> |                   |                                                    |                                     |                      |                                                                                                                                                                                            |                         |                                                                                                                                                                 |              |
| 23                                     | Blast freezer     | Refrigerant leak                                   | Air - general                       | Air                  | The additional blast freezing capacity is accommodated using exiting chillier capacity and increased floor space.                                                                          | No change               |                                                                                                                                                                 |              |
| 24                                     | Blast freezer     | Fire/explosion                                     | Air - general                       | Air                  | The additional blast freezing capacity is accommodated using exiting chillier capacity and increased floor space.                                                                          | No change               |                                                                                                                                                                 |              |
| 25                                     | Blast freezer     | Noise that would be reasonable cause for complaint | Housing estate 375m NW of the site. | Air                  | The additional blast freezing capacity is accommodated using exiting chillier capacity and increased floor space.                                                                          | No change               |                                                                                                                                                                 |              |
| 26                                     | Blast freezer     | Energy use                                         | Energy                              | Energy consumption   | Site measures energy usage and reviews such as a key performance indicator on a weekly basis. KPI is used as a baseline to reduce energy usage and highlight deviations from normal usage. | Likely                  | Low -the chillier plant is a large energy user on site and hence its efficiency of operation is monitored and opportunities for improvement regularly reviewed. | High         |
| 27                                     | Blast freezer     | Emissions to sewer/surface water                   | Sewer/surface water                 | Surface runoff/spill | Internal are drains to site ETP. The additional blast freezing capacity is accommodated using exiting chillier capacity and increased floor space.                                         | No change               |                                                                                                                                                                 |              |
| 28                                     | Blast freezer     | Waste Generation                                   | Waste                               | Waste Generation     | The additional blast freezing capacity is accommodated using exiting chillier capacity and increased floor space.                                                                          | No change               |                                                                                                                                                                 |              |

# Attachment 3

Application to vary permit EPR/BU8002IT, Dawn Cross Hands  
Part C3\_Variation to a bespoke permit

# Application for an environmental permit

## Part C3 – Variation to a bespoke installation permit



**Fill in this part of the form, together with part A, part C2 and part F1, if you are applying to vary (change) the conditions or any other part of the permit. Please check that this is the latest version of the form available from our website.**

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

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

**Please read through this form and the guidance notes that came with it. Please write clearly in the answer spaces.**

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

### Contents

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

Appendix 1 – Specific questions for the combustion sector

Appendix 2 – Specific questions for the chemical sector

Appendix 3 – Specific questions for the intensive farming sector

Appendix 4 – Specific questions for the clinical waste sector

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

Appendix 6 – Specific questions for the waste incineration sector

Appendix 7 – Specific questions for the landfill sector

### 1 What activities are you applying to vary?

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

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

Document reference

## 1 What activities are you applying to vary?, continued

### Notes

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

### Types of waste accepted

For those installations that take waste, for each line in Table 1a (including DAAs), fill in a separate document to list those wastes you will accept on to the site for that activity. Give the List of Wastes catalogue code and description. If you need to exclude waste from your activity or facility by restricting the description, quantity, physical nature, hazardous properties, composition or characteristic of the waste, include these in the document. Send it to us with your application form.

Please provide the reference for each document

You can use Table 1b as a template.

If you want to accept any wastes with a code ending in 99, you must give us more information and a full description.

Document reference for this extra information

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

| Waste code           | Description of waste                                          |
|----------------------|---------------------------------------------------------------|
| Example<br>02 01 08* | Example<br>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.

**Table 2 – Emissions**

|                                       |        |           |          |      |
|---------------------------------------|--------|-----------|----------|------|
| Installation name                     |        |           |          |      |
| Point source emissions to air         |        |           |          |      |
| Emission point reference and location | Source | Parameter | Quantity | Unit |
|                                       |        |           |          |      |
|                                       |        |           |          |      |
|                                       |        |           |          |      |
|                                       |        |           |          |      |
|                                       |        |           |          |      |
|                                       |        |           |          |      |

## 2 Emissions to air, water and land, continued

**Table 2 – Emissions, continued**

| Point source emissions to water (other than sewers)                                     |        |           |          |      |
|-----------------------------------------------------------------------------------------|--------|-----------|----------|------|
| Emission point reference and location                                                   | Source | Parameter | Quantity | Unit |
|                                                                                         |        |           |          |      |
|                                                                                         |        |           |          |      |
|                                                                                         |        |           |          |      |
|                                                                                         |        |           |          |      |
|                                                                                         |        |           |          |      |
|                                                                                         |        |           |          |      |
|                                                                                         |        |           |          |      |
| Point source emissions to sewers, effluent treatment plants or other transfers off site |        |           |          |      |
| Emission point reference and location                                                   | Source | Parameter | Quantity | Unit |
|                                                                                         |        |           |          |      |
|                                                                                         |        |           |          |      |
|                                                                                         |        |           |          |      |
|                                                                                         |        |           |          |      |
|                                                                                         |        |           |          |      |
|                                                                                         |        |           |          |      |
|                                                                                         |        |           |          |      |
| Point source emissions to land                                                          |        |           |          |      |
| Emission point reference and location                                                   | Source | Parameter | Quantity | Unit |
|                                                                                         |        |           |          |      |
|                                                                                         |        |           |          |      |
|                                                                                         |        |           |          |      |
|                                                                                         |        |           |          |      |
|                                                                                         |        |           |          |      |
|                                                                                         |        |           |          |      |
|                                                                                         |        |           |          |      |

## Supporting information

### 3 Operating techniques

#### 3a Technical standards

Fill in Table 3 for each activity, at the installation you have referred to in Table 1a above. 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 7 of part C2 (general bespoke permit) of the application form.

The documents you have referenced in Table 3 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 3, describe the type of operation and the options you have chosen for controlling emissions from your process.

### 3 Operating techniques, continued

**Table 3 – Technical standards**

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

| Installation name                                                      |                                                                                                                                                                                         |                                     |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Description of the schedule 1 activity or directly associated activity | Relevant technical guidance note or Best available techniques as described in BAT conclusions under IED (see footnote below. You will need to refer to 'How to comply' for all permits) | Document reference (if appropriate) |
|                                                                        | 'How to comply'                                                                                                                                                                         |                                     |
|                                                                        |                                                                                                                                                                                         |                                     |
|                                                                        |                                                                                                                                                                                         |                                     |
|                                                                        |                                                                                                                                                                                         |                                     |
|                                                                        |                                                                                                                                                                                         |                                     |
|                                                                        |                                                                                                                                                                                         |                                     |
|                                                                        |                                                                                                                                                                                         |                                     |

\*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. Provide the references for the description.

Document reference for the diagram or description

#### 3b General requirements

Fill in a separate Table 4 for each installation.

**Table 4 – General requirements**

| Name of the installation                                                                                                                                     |                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| 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 |
| Where the TGN or H1 assessment shows that odours are an important issue, send us your odour management plan                                                  | Document reference or references |
| If the TGN or H1 assessment shows that noise or vibration are important issues, send us your noise or vibration management plan (or both)                    | Document reference or references |

#### 3c Types and amounts of raw materials

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

**Table 5 – Types and amounts of raw materials**

| Name of the installation    |                                             |                                            |                                      |                                                                                                    |
|-----------------------------|---------------------------------------------|--------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------------------|
| Capacity (See note 1 below) |                                             |                                            |                                      |                                                                                                    |
| Schedule 1 activity         | Description of raw material and composition | Maximum amount (tonnes) (See note 2 below) | Annual throughput (tonnes each year) | Description of the use of the raw material including any main hazards (include safety data sheets) |
|                             |                                             |                                            |                                      |                                                                                                    |
|                             |                                             |                                            |                                      |                                                                                                    |
|                             |                                             |                                            |                                      |                                                                                                    |
|                             |                                             |                                            |                                      |                                                                                                    |

#### Notes

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

2 By 'maximum amount', we mean the maximum amount of raw materials on the site at any one time.

## 6 Resource efficiency and climate change, continued

Yes ☐ Please give the date you entered (or the date you expect to enter) into the agreement. Please also provide documents that prove you are taking part in the agreement (DD/MM/YYYY)

\_\_\_\_\_

Document reference of proof

\_\_\_\_\_

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

Document reference of the justification

\_\_\_\_\_

## 6e Describe how you avoid producing waste in line with Council Directive 2006/12/EC on waste

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

Document reference of the description

\_\_\_\_\_

## 7 How to contact us

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

General enquiries: 0300 065 3000 (Monday to Friday, 8am to 6pm)

Email: [enquiries@naturalresourceswales.gov.uk](mailto:enquiries@naturalresourceswales.gov.uk) / [ymholiadau@cyfoethnaturiolcymru.gov.uk](mailto:ymholiadau@cyfoethnaturiolcymru.gov.uk)

Website: [www.naturalresourceswales.gov.uk](http://www.naturalresourceswales.gov.uk) / [www.cyfoethnaturiolcymru.gov.uk](http://www.cyfoethnaturiolcymru.gov.uk)

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

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

## Feedback

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

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

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

\_\_\_\_\_

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

Would you like a reply to your feedback?

Yes please

☐

No thank you

☐

### For Natural Resources Wales use only

Date received (DD/MM/YYYY)

\_\_\_\_\_

Our reference number

\_\_\_\_\_

Payment received?

No ☐

Yes ☐

Amount received

£

\_\_\_\_\_

**Plain English Campaign's Crystal Mark does not apply to appendices 1 to 7.****Appendix 1 – Specific questions for the combustion sector****1 Identify the type of fuel burned in your combustion units (including when your units are started up, shut down and run as normal). If your units are dual fuelled (that is, use two types of fuel), list both the fuels you use**

Fill in a separate table for each installation.

| Installation reference            |                    |                 |                |
|-----------------------------------|--------------------|-----------------|----------------|
| Type of fuel                      | When run as normal | When started up | When shut down |
| Coal                              |                    |                 |                |
| Gas oil                           |                    |                 |                |
| Heavy fuel oil                    |                    |                 |                |
| Natural gas                       |                    |                 |                |
| WID waste                         |                    |                 |                |
| Biomass (see notes 1 and 2 below) |                    |                 |                |
| Biomass (see notes 1 and 2 below) |                    |                 |                |
| Biomass (see notes 1 and 2 below) |                    |                 |                |
| Biomass (see notes 1 and 2 below) |                    |                 |                |
| Biomass (see notes 1 and 2 below) |                    |                 |                |
| Other                             |                    |                 |                |

**Notes**

1 Not covered by Industrial Emissions Directive 2010/75/EU.

2 'Biomass' is referred to in [www.opsi.gov.uk/si/si2002/20020914.htm](http://www.opsi.gov.uk/si/si2002/20020914.htm).

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

Document reference

**2 Give the composition range of any fuels you are currently allowed to burn in your combustion plant**

Fill in a separate table for each installation.

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

## Appendix 1 – Specific questions for the combustion sector, continued

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

Yes ☐

Document reference number

---

## 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 ☐

Yes ☐ Fill in the following

#### 3a List the activities which are controlled under the IED

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

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

Document reference

## Appendix 3 – Specific questions for the 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 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 or references

**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 ☐ Now 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 sub heading 'European legislation and your application for an EP Permit').

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

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

Document reference

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

Document reference

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

Document reference

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

Question 3 identifier, if necessary

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

No ☐

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

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

## Appendix 6 – Specific questions for the waste incineration sector, continued

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

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

No ☐

Yes ☐ Please give reasons for doing this

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

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

No ☐

Yes ☐ Please give your reasons for doing this

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

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

No ☐

Yes ☐ Please give your reasons for doing this

## Appendix 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

We have developed templates for these four reports which can be found within H1 – Landfill Annex.

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

Document reference

# Attachment 4

Application to vary permit EPR/BU8002IT, Dawn Cross Hands  
Part F1 – Opra, charges and declarations

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

- 1 Working out charges
- 2 Opra
- 3 Payment
- 4 The Data Protection Act 1998
- 5 Confidentiality and national security
- 6 Declaration
- 7 Application checklist
- 8 How to contact us
- 9 Where to send your application

### Table 1 – Working out charges

|                                                                                   |                    |                      |                              |                 |
|-----------------------------------------------------------------------------------|--------------------|----------------------|------------------------------|-----------------|
| Type of application                                                               |                    |                      |                              |                 |
|                                                                                   | Summary of charges |                      |                              |                 |
| Tier 2 facilities (including Part A(2) and Part B; see guidance notes on part F1) | Charge identifier  | Number of facilities | Charge for each facility (£) | Charges due (£) |
|                                                                                   |                    |                      |                              |                 |
|                                                                                   |                    |                      |                              |                 |
|                                                                                   |                    |                      |                              |                 |
|                                                                                   |                    |                      |                              |                 |
|                                                                                   |                    |                      |                              |                 |
|                                                                                   |                    |                      |                              |                 |
|                                                                                   |                    |                      |                              |                 |
| Tier 3 facilities                                                                 |                    |                      |                              |                 |
| Total Opra charging score for installations                                       |                    | × charge multiplier  |                              | =               |
| Total Opra charging score for waste operations                                    |                    | × charge multiplier  |                              | =               |
| Total Opra charging score for mining waste facilities                             |                    | × charge multiplier  |                              | =               |
| Other charges                                                                     |                    |                      |                              |                 |
| Total charges due                                                                 |                    |                      |                              |                 |

**2 Opra (does not apply to standard facilities, any other tier 2 permit applications (e.g. groundwater land spreading activities), or water-discharge or groundwater point source discharge activities)**

If you are submitting a bespoke application, you must include a completed electronic copy in Excel of the current Opra spreadsheet.

For variations, full and partial surrenders you will need to submit a copy of your current Opra profile based on your existing profile, not any 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.

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

☐
**3 Payment**

Tick below to show how you have paid.

Cheque

☐

Postal order

☐

Cash

☐ Tick below to confirm you are enclosing cash with the application

Credit or debit card

☐

Electronic transfer (for example, BACS)

☐ Remittance number 
☐ Date paid (DD/MM/YYYY) 
**How to pay****Paying by cheque, postal order or cash**

Cheque details

Cheque made payable to

Cheque number

Amount

£

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

Please write the name of your company and application reference number on the back of your cheque or postal order.

**We will not** accept cheques with a future date on them.

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

I have enclosed cash with my application

☐
**Paying by credit or debit card**

If you are paying by credit or debit card, either we can call you or you can fill in the separate form CC1 and enclose it with the application. We will destroy your card details once we have processed your payment. We can accept payments by Visa, MasterCard or Maestro card only.

Please call me to arrange payment by debit or debit card

☐

I have enclosed form CC1 with my application

☐
**Paying by electronic transfer BACS reference**

Applying for a permit in Wales?

If you choose to pay by electronic transfer and you are applying for a permit in the EA Wales region, you will need to use the following information to make your payment.

Company name: Natural Resources Wales

Company address: Income Dept., Cambria House, 29 Newport Road, Cardiff CF24 0TP

Bank: Citigroup Centre

Canada Square, London, E14 5LB

Sort code: 08-33-00

Account number: 12800578

Payment reference number: PSCAPPXXXXYYY

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

### 3 Payment, continued

You should also email your payment details and a reference number to [online@naturalresourceswales.gov.uk](mailto:online@naturalresourceswales.gov.uk) / [arlein@cyfoethnaturiolcymru.gov.uk](mailto:arlein@cyfoethnaturiolcymru.gov.uk) or fax it to 02920 466 404.

If you are making your payment from outside the United Kingdom, it must be in sterling. Our IBAN number is GB48 CITI0833 0012 8005 78 and our SWIFTBIC number is CITI GB2LXXX.

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

Now read section 4 below.

### 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.

Now read section 5 below.

### 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.

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 ☐

#### 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 Environment Agency website <http://www.environment-agency.gov.uk>.

You cannot apply for national security via this application.

Now go to section 6

### 6 Declaration

If you knowingly or carelessly make a statement that is false or misleading to help you get an environmental permit (for yourself or anyone else), you may be committing an offence under the Environmental Permitting (England and Wales) Regulations 2013.

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

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

If you are transferring all or part of your permit, both you and the person receiving the permit must make the declaration.

## 6 Declaration, continued

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

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

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

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

☐

Tick this box to confirm that you understand and agree with the declaration above, then fill in the details below

☐

Tick this box to confirm that you have no issue with us using information from any ecological survey that you have supplied with your application (for further information please see the guidance notes on part F1)

☐

Name

Title (Mr, Mrs, Miss and so on)

First name

Last name

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

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

Today's date (DD/MM/YYYY)

### For transfers only – declaration for person receiving the permit

A relevant person should make the declaration (see guidance notes on part F1).

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

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

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

Tick this box to confirm that you understand and agree with the declaration above

☐

Name

Title (Mr, Mrs, Miss and so on)

First name

Last name

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

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

Today's date (DD/MM/YYYY)

Now go to section 7

☐ Tick the box to say you have included the fee

Document reference

[illegible]

## 8 How to contact us

Website: [www.naturalresourceswales.gov.uk](http://www.naturalresourceswales.gov.uk) / [www.cyfoethnaturiolcymru.gov.uk](http://www.cyfoethnaturiolcymru.gov.uk)

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

## 9 Where to send your application (for how many copies to send see the guidance note on part F1)

Please send your filled in application form to:

Permit Receipt Centre (Cardiff)  
Natural Resources Wales  
29 Newport Road  
Cambria House  
Cardiff  
CF24 0TP

Canolfan Derbyn Tryddedau  
Ty Cambria  
29 Heol Casnewydd  
Caerdydd  
CF24 0TP

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

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

## Feedback

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

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

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

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

Would you like a reply to your feedback?

Yes please ☐

No thank you ☐



### For Natural Resources Wales use only

Date received (DD/MM/YYYY)

Our reference number

Payment received?

No ☐

Yes ☐

Amount received

£

**Table 1a – Types of activities**

| Schedule 1 listed activities                                                                                                                                                |                                       |                                                                            |                                   |                                                                       |                                                                         |                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Installation name                                                                                                                                                           | Schedule 1 references<br>(See note 1) | Description of the Activity<br>(See note 2)                                | Activity capacity (See<br>note 3) | Annex IIA or IIB (disposal<br>and recovery) codes and<br>descriptions | Hazardous waste<br>treatment capacity (if this<br>applies) (See note 3) | Non-hazardous waste<br>treatment capacity (if this<br>applies) (See note 3) |
| Add extra rows if you<br>need them. If you do not<br>have enough room, go to<br>the line below or send a<br>separate document and<br>give us the document<br>reference here | Put your main activity<br>first       |                                                                            |                                   | For installations that take<br>waste only                             | For installations that take<br>waste only                               | For installations that take<br>waste only                                   |
|                                                                                                                                                                             |                                       |                                                                            |                                   |                                                                       |                                                                         |                                                                             |
|                                                                                                                                                                             |                                       |                                                                            |                                   |                                                                       |                                                                         |                                                                             |
|                                                                                                                                                                             |                                       |                                                                            |                                   |                                                                       |                                                                         |                                                                             |
| Directly associated activities (See note 4)                                                                                                                                 |                                       |                                                                            |                                   |                                                                       |                                                                         |                                                                             |
| Name of DAA                                                                                                                                                                 |                                       | Description of the DAA (please identify the schedule 1 activity it serves) |                                   |                                                                       |                                                                         |                                                                             |
| Add extra rows if you need them                                                                                                                                             |                                       |                                                                            |                                   |                                                                       |                                                                         |                                                                             |
|                                                                                                                                                                             |                                       |                                                                            |                                   |                                                                       |                                                                         |                                                                             |
|                                                                                                                                                                             |                                       |                                                                            |                                   |                                                                       |                                                                         |                                                                             |
| For installations that take waste                                                                                                                                           |                                       | Total storage capacity (See note 5 below)                                  |                                   |                                                                       |                                                                         |                                                                             |
|                                                                                                                                                                             |                                       | Annual throughput (tonnes each year)                                       |                                   |                                                                       |                                                                         |                                                                             |

### 3 Operating techniques, continued

Use a separate sheet if you have a long list of raw materials, and send it to us with your application form. Please also provide the reference for this extra sheet.

Document reference for the sheet

#### 3d Information for specific sectors

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

**Table 6 – Questions for specific sectors**

| Sector                                                  | Appendix                        |
|---------------------------------------------------------|---------------------------------|
| Combustion                                              | See the questions in appendix 1 |
| Chemicals                                               | See the questions in appendix 2 |
| 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 |
| Landfill                                                | See the questions in appendix 7 |

### General information

#### 4 Monitoring

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

You should also describe any environmental monitoring. Tell us:

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

Document reference

##### 4b Point source emissions to air only

Provide an assessment of the sampling locations used to measure point source emissions to air. The assessment must use M1.

Document reference of the assessment

### 5 Environmental impact assessment

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

No ☐

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 for the copy

### 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 for the description

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

Document reference for the description

#### 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 for the description

**Appendix 1 – Specific questions for the combustion sector, continued****3 If NO<sub>x</sub> 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 <sub>x</sub> factor (kg t <sup>-1</sup> ) |
| Fuel 1                 |                                              |
| Fuel 2                 |                                              |
| Fuel 3                 |                                              |
| Fuel 4                 |                                              |

Note: kg t<sup>-1</sup> means kilograms of nitrogen oxides released for each tonne of fuel burned.**4 Will your combustion plant be subject to Chapter III of the Industrial Emissions Directive 2010/75/EU? (see Government Guidance)**No ☐ Now fill in part FYes ☐**5 Is your plant**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)? ☐

or

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 ☐ Now go to section 9Yes ☐**8 Have you subsequently withdrawn your declaration?**No ☐Yes ☐**9 List the existing large combustion plants (LCPs) which have annual mass allowances under the National Emission Reduction Plan (NERP), and those with emission limit values (ELVs) under the LCPD**

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

## Appendix 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 diagrams for the treatment plant

Document reference

\_\_\_\_\_

## Appendix 6 – Specific questions for the waste incineration sector, continued

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

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

No ☐

Yes ☐ Please give your reasons for doing this

### 12 Do you want to replace continuous SO<sub>2</sub> emission monitoring with periodic sulphur dioxide (SO<sub>2</sub>) emission monitoring, as allowed by IED Annex VI, Part 6 (2.5), first paragraph?

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

No ☐

Yes ☐ Please give your reasons for doing this

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

No ☐

Does not apply ☐

Yes ☐ Please give your reasons for doing this