

# 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 Secretary of State/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.

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- 1 About you
- 2 Applications from an individual
- 3 Applications from an organisation of individuals
- 4 Applications from public bodies
- 5 Applications from companies
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- 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: 03708 506 506 (Monday to Friday, 8am to 6pm)

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

Email: enquiries@environment-agency.gov.uk

Website: www.environment-agency.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 Environment Agency use only

Date received (DD/MM/YYYY)

\_\_\_\_\_

Our reference number

\_\_\_\_\_

Payment received?

No

Yes

Amount received

£ \_\_\_\_\_

# Application for an environmental permit Part B2 – General – new bespoke permit



**Fill in this part of the form together with parts A, F1 or F2 if you are applying for a new bespoke permit. You also need to fill in part B3, B4, B5, B6, or B7 (this depends on what activities you are applying for). Please check that this is the latest version of the form available from our website.**

**Please note we cannot issue your permit for a relevant waste operation or mining waste facility until you have an appropriate planning consent. Please look at the guidance for this part for more information.**

**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 part of the application form.

**Contents**

- 1 About the permit
- 2 About the site
- 3 Your ability as an operator
- 4 Consultation
- 5 Planning status
- 6 Supporting information
- 7 Environmental risk assessment
- 8 How to contact us
- Appendix 1 – Low impact installation checklist

## 1 About the permit

### 1a Customer reference number

What is your customer reference number? \_\_\_\_\_

If you do not have a customer reference number, 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, give us the case reference or details on a separate sheet. Tell us below the reference you have given this extra sheet.

Case or document reference \_\_\_\_\_

### 1c Is the permit for a site or for mobile plant?

Site  Now go to section 2

Mobile plant  Now go to question 1d

Note: The term 'mobile plant' does not include mobile sheep dipping unit.

### Mobile plant

#### 1d Have we told you during pre-application discussions that we believe that a mobile permit is suitable for your activity?

No

Yes

#### 1e Have there been any changes to your proposal since this discussion?

No  Now go to section 3

Yes  You should send us a description of the activity you want to carry out, highlighting the changes you have made since our pre-application discussions.

Document reference \_\_\_\_\_

Now go to section 3

## 2 About the site (but not mobile plant)

### 2a What is the site name, address, postcode and national grid reference?

Site name

Address

Postcode

National grid reference for the site  
(for example, ST 12345 67890)

### 2b What type of regulated facility are you applying for?

**Note: if you are applying for more than one regulated facility then go to 2c.**

Installation  Now tick the relevant box in question 2b1

Waste operation  Now tick the relevant box in question 2b2

Mining waste operation  Now tick the relevant box in question 2b3

Water discharge activity  Now go to question 3d

Groundwater activity (point source)  Now go to question 3d

Groundwater activity (discharge onto land)  Now go to question 3d

What is the national grid reference for the regulated facility (if only one)? (See the guidance notes on part B2.)

As in 2a above

Different from that in 2a  Please fill in the national grid reference below

National grid reference for the regulated facility

### What is the type of activity?

#### 2b1 Installation

Intensive farming installation

Local authority (Part A (2) and Part B)

Low impact installation (see question 2d below)

Opra charged activity

Directly associated activity

Paragraph-17 installation

#### 2b3 Mining waste operation

Non-Opra charged activity

Opra charged activity

#### 2b2 Waste operation

Landfill gas facility (closed landfill)

Opra charged activity

Pet cemetery

Tier 2 charged bespoke activity

(see charging guidance for list)

**Now go to question 2d**

## 2 About the site, continued

### 2c If you are applying for more than one regulated facility on your site, what are their types and their grid references?

See the guidance notes on part B2.

#### Regulated facility 1

National grid reference

#### What is the regulated facility type?

Installation

Now tick the relevant box in question 2c1

Waste operation

Now tick the relevant box in question 2c2

Mining waste operation

Now tick the relevant box in question 2c3

Water discharge activity

Now go to question 3d

Groundwater activity (point source)

Now go to question 3d

Groundwater activity (discharge onto land)

Now go to question 3d

What is the type of activity?

#### 2c1 Installation

Intensive farming installation

Landfill gas facility (closed landfill)

Local authority (part A (2) and part B)

Opra charged activity

Low impact installation (see question 2d below)

Pet cemetery

Opra charged activity

Tier 2 charged bespoke activity

Directly associated activity

(see charging guidance for list)

Paragraph-17 installation

#### 2c2 Waste operation

#### 2c3 Mining waste operation

Non-Opra charged activity

Opra charged activity

#### Regulated facility 2

National grid reference

#### What is the regulated facility type?

Installation

Now tick the relevant box in question 2c1

Waste operation

Now tick the relevant box in question 2c2

Mining waste operation

Now tick the relevant box in question 2c3

Water discharge activity

Now go to question 3d

Groundwater activity (point source)

Now go to question 3d

Groundwater activity (discharge onto land)

Now go to question 3d

#### What is the type of activity?

#### 2c1 Installation

Intensive farming installation

Landfill gas facility (closed landfill)

Local authority (part A (2) and part B)

Opra charged activity

Low impact installation (see question 2d below)

Pet cemetery

Opra charged activity

Tier 2 charged bespoke activity

Directly associated activity

(Charging guidance for list)

Paragraph-17 installation

#### 2c2 Waste operation



## 2 About the site, continued

### 2c3 Mining waste operation

Non-Opra charged activity

Opra charged activity

Use several copies of this page or separate sheets if you have a long list of regulated facilities. Send them to us with your application form. Tell us below the reference you have given these extra sheets.

Document reference for the extra sheets \_\_\_\_\_

Now go to question 2d

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

Are any of the regulated facilities low impact installations?

No

Yes  If yes, tell us how you meet the conditions for a low impact installation. (See the guidance notes on part B2 – Appendix 1.)

Document reference \_\_\_\_\_

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

### 2e Treating batteries

Are you planning to treat batteries? (See the guidance notes on part B2.)

No

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

Document reference for the explanation \_\_\_\_\_

### 2f Multi-operator installation

If the site is a multi-operator site (that is there is more than one operator of the installation) then fill in the table below the application reference for each of the other permits.

**Table 1 – Other permit application references**


## 3 Your ability as an operator

If you are only applying for a standalone water discharge or for a groundwater activity, you only have to fill in question 3d.

### 3a Relevant offences (for installations and waste operations only – see the guidance notes on part B2)

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 where the case was dealt with \_\_\_\_\_

Date of the conviction (DD/MM/YYYY) \_\_\_\_\_

Offence and penalty set \_\_\_\_\_

Date any appeal against the conviction will be heard

### 3 Your ability as an operator, continued

(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) \_\_\_\_\_

### 3b Technical ability (for specified waste management activities and waste operations only – see the guidance notes on part B2)

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 (for installations, waste operations and mining waste operations only)

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

No

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.

### 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 \_\_\_\_\_

Now go to question 3d

### 3d Management systems (all)

You can find guidance on management systems in both 'How to Comply' and 'Horizontal Guidance Note 6 – Environmental management systems'. We have also developed environmental management toolkits for some business sectors which you can use to produce your own management system. You can get these by calling 03708 506 506 or by downloading them from our website at [www.environment-agency.gov.uk](http://www.environment-agency.gov.uk).

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

No

Yes

### 3 Your ability as an operator, continued

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

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

Document reference or references

### 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 Direct into relevant territorial waters or coastal waters within the sea fisheries district of a local fisheries committee

No

Yes  Please name the fisheries committee

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

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

No

Yes

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

No

Yes

### 5 Planning status

For relevant waste operations, but not mobile plant operations, and relevant mining waste facilities only. Otherwise go to section 6 if this does not apply to you.

Tick which situation applies to you (do not fill in this section if you are making an application for mobile plant).

- I have planning permission
- I have a certificate of lawful existing use or development
- I have an established use certificate
- The General Permitted Development Order 1995 applies
- I do not need planning permission  Please provide proof

I have applied for planning permission but have not yet had a decision (You can still apply but we will not issue your permit until you can provide us with proof that you have got the permission you need)

Name of the planning authority

Give us a copy of the relevant planning application or permission that shows that you have, or have applied for, appropriate planning for your proposed permit, including a plan showing the area covered by the planning application or permission.

Document reference of the application or permission

## 6 Supporting information

### 6a Provide a plan or plans for the site (but not any mobile plant)

Mark the site boundary or discharge point, or both, in green – see the guidance notes on part B2.

Document reference or references of the plans

### 6b Provide the relevant sections of a site condition/baseline report if this applies (see the guidance notes on part B2 for what needs to be marked on the plan)

Document reference of the report

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

### 6c Provide a non-technical summary of your application (see the guidance notes on part B2)

Document reference of the summary

## 7 Environmental risk assessment

Provide an assessment of the risks each of your proposed regulated facilities poses to the environment. The risk assessment must use H1 or an equivalent method.

Document reference for the assessment

## 8 How to contact us

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

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

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

Email: [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk)

Website: [www.environment-agency.gov.uk](http://www.environment-agency.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 Environment Agency use only

Date received (DD/MM/YYYY)

\_\_\_\_\_

Our reference number

\_\_\_\_\_

Payment received?

No

Yes

Amount received

£ \_\_\_\_\_

**Plain English Campaign's Crystal Mark does not apply to appendix 1.****Appendix 1 – Low impact installation checklist (see the guidance notes on part B2)**

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

# Application for an environmental permit Part B3 – New bespoke installation permit



**If you are applying for a new bespoke permit for an installation, fill in this part of the form, together with parts A, B2 and F1. 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.**

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

## Contents

- |   |   |
|---|---|
| <ul style="list-style-type: none"><li>1 What activities are you applying for?</li><li>2 Emissions to air, water and land</li><li>3 Operating techniques</li></ul> | <ul style="list-style-type: none"><li>4 Monitoring</li><li>5 Environmental impact assessment</li><li>6 Resource efficiency and climate change</li><li>7 How to contact us</li><li>Appendix 1 – Specific questions for the combustion sector</li><li>Appendix 2 – Specific questions for the chemical sector</li><li>Appendix 3 – Specific questions for the intensive farming sector</li><li>Appendix 4 – Specific questions for the clinical waste sector</li><li>Appendix 5 – Specific questions for the hazardous and non-hazardous waste recovery and disposal sector</li><li>Appendix 6 – Specific questions for the waste incineration sector</li><li>Appendix 7 – Specific questions for the landfill sector</li></ul> |
|---|---|

## 1 What activities are you applying for?

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

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

Document reference

**Table 1a – Types of activities**

Schedule 1 listed activities						
Installation name	Schedule 1 references (See note 1)	Description of the Activity (See note 2)	Activity capacity (See note 3)	Annex IIA or IIB (disposal and recovery) codes and descriptions	Hazardous waste treatment capacity (if this applies) (See note 3)	Non-hazardous waste treatment capacity (if this applies) (See note 3)
Add extra rows if you need them. If you do not have enough room go to the line below or send a separate document and give us the document reference here	Put your main activity first			For installations that take waste only	For installations that take waste only	For installations that take waste only
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)				



## 1 What activities are you applying for?, 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 types of waste you will accept onto the site for that activity. Give the List of Wastes catalogue code and description. If you need to exclude wastes from your activity or facility by restricting the description, quantity, physical nature, hazardous properties, composition or characteristic of the waste, include these in the document. Send it to us with your application form.

Please provide the reference for each document.

You can use Table 1b as a template.

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

Document reference for this extra information

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

Waste code	Description of waste
Example 02 01 08*	Example 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 (releases)

Installation name				
Point source emissions to air				
Emission point reference and location	Source	Parameter	Quantity	Unit
Point source emissions to water (other than sewers)				

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

Table 2 – Emissions, continued

Emission point reference and location	Source	Parameter	Quantity	Unit
<b>Point source emissions to sewers, effluent treatment plants or other transfers off site</b>				
Emission point reference and location	Source	Parameter	Quantity	Unit
<b>Point source emissions to land</b>				
Emission point reference and location	Source	Parameter	Quantity	Unit

### Supporting information

## 3 Operating techniques

### 3a Technical standards

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

You must justify your decisions in a separate document if:

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

This justification could include a reference to the Environmental Risk Assessment provided in section 7 of part B2 (General Bespoke Permit) of the application form.

The documents in Table 3a should summarise the main measures you use to control the main issues identified in the H1 assessment or technical guidance. For each of the activities listed in Table 3a, describe the type of operation and the options you have chosen for controlling emissions from your process.

### 3 Operating techniques, continued

#### Table 3a – Technical standards

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

Installation name		
Schedule 1 activity or directly associated activity description	Relevant technical guidance note or best available techniques as described in BAT conclusions under IED (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. Give the document references you use for each diagram and description.

Document reference

#### 3b General requirements

Fill in a separate Table 3b for each installation.

#### Table 3b – General requirements

Installation name	
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
If 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 3c for all schedule 1 activities. Fill in a separate table for each installation.

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

Installation name				
Capacity (See note 1 below)				
Schedule 1 activity	Description of raw material and composition material	Maximum amount (tonnes) (See note 2 below)	Annual throughput (tonnes each year)	Description of how the raw material is used including any main hazards (include safety information 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 your site at any one time.

### 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 document reference you have given the extra sheet.

Document reference

#### 3d Information for specific sectors

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

**Table 3d – Questions for specific sectors**

Sector	Appendix
Combustion	See the questions in appendix 1
Chemicals	See the questions in appendix 2
Intensive farming	See the questions in appendix 3
Clinical waste	See the questions in appendix 4
Hazardous and non-hazardous waste recovery and disposal	See the questions in appendix 5
Incinerating waste	See the questions in appendix 6
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 for this information

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

Provide an assessment of the sampling locations you have used to measure point source emissions to air. The assessment must use M1 (see the guidance notes on part B3).

Document reference of the assessment

#### 5 Environmental impact assessment

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

No  Now go to section 6

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

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

Document reference 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 of this description

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

Document reference of the breakdown

## 6 Resource efficiency and climate change, continued

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

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

Document reference of this description

Yes  Please give the date you entered (or the date you expect to enter) into the agreement (DD/MM/YYYY)

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

Document reference of the proof you are providing

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

Document reference of this document

### 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 for your 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: 03708 506 506 (Monday to Friday, 8am to 6pm)

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

Email: [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk)

Website: [www.environment-agency.gov.uk](http://www.environment-agency.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 Environment Agency use only

Date received (DD/MM/YYYY)

\_\_\_\_\_

Our reference number

\_\_\_\_\_

Payment received?

No

Yes

Amount received

£ \_\_\_\_\_

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

**3 If NOx 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	NOx factor (kgt <sup>-1</sup> )
Fuel 1	
Fuel 2	
Fuel 3	
Fuel 4	

Note: kgt<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 F

Yes

**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 9

Yes

**8 Have you subsequently withdrawn your declaration?**

No

Yes

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

Installation reference	
LCPs under NERP	LCPs with ELVs



**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 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 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 subheading 'European legislation and your application for an EP Permit').

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

Document reference

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

Document reference

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

Document reference

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

Question 3 identifier, if necessary

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

No

Yes  This article allows 'abnormal operation' of the incineration plant under certain circumstances when the CEM for releases to air have failed. Annex VI, Part 3(2) sets maximum half hourly average release levels for particulates (150mg/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 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



## 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

# Application for an environmental permit Part F1 – Opra, charges and declarations



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

**For applications for water discharge and point source groundwater discharge activities you need to fill in part F2 instead.**

**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 part of the application form.

## Contents

- 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

## 1 Working out charges (you must fill in this section)

You have to submit an application fee with your application. You can find out the charge by either looking at the relevant standard rules permit page, the 'Making an application' webpage at <http://www.environment-agency.gov.uk/business/topics/permitting/32318.aspx>, or the current environmental permitting charging scheme on our website at [www.environment-agency.gov.uk](http://www.environment-agency.gov.uk) which sets out our charges under the Environmental Permitting Regulations. Please remember that the charges are revised on 1 April each year and that there is an annual subsistence charge to cover the costs we incur in the ongoing regulation of the permit.

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

**Table 1 – Working out charges**

Type of application	Summary of charges			
	Charge identifier	Number of facilities	Charge for each facility (£)	Charges due (£)
Tier 2 facilities (including Part A(2) and Part B; see guidance notes on part F1)				
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 'Environment Agency' or 'Environment Agency Wales' as appropriate 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: Environment Agency Wales  
Company address: PO Box 663, 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@environment-agency.wales.gov.uk](mailto:online@environment-agency.wales.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.

Applying for a permit in **England**?

If you choose to pay by electronic transfer and you are applying for a permit for another (English) region, you will need to use the following information to make your payment.

Company name: Environment Agency  
Company address: Income Dept 311, PO Box 263, Peterborough, PE2 8YD  
Bank: Citigroup Centre  
Address: Canada Square, London, E14 5LB  
Sort code: 08-33-00  
Account number: 12800543  
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.

You should also email your payment details and reference number to [FSC-Income@environment-agency.gov.uk](mailto:FSC-Income@environment-agency.gov.uk) or fax it to 01733 464 892.

If you are making your payment from outside the United Kingdom, it must be in sterling. Our IBAN number is GB23 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 Environment Agency, 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

## 5 Confidentiality and national security, continued

### National security

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

You can find guidance on national security in 'Core Environmental Permitting Guidance' published by Defra and available via our website at [www.environment-agency.gov.uk](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 2012.**

**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.**

**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



## 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:

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

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

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

## Feedback

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

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

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

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

Would you like a reply to your feedback?

Yes please

No thank you



### For Environment Agency use only

Date received (DD/MM/YYYY)

\_\_\_\_\_

Our reference number

\_\_\_\_\_

Payment received?

No

Yes

Amount received

£ \_\_\_\_\_

## **Additional Partners**

Mrs Patricia Hern - DOB 07/11/1942

Mr Anthony Hern - DOB 29/05/1941

Address and contact details as farm details



## **Minimising Water Use**

High performance nipple drinkers with 'drip cups' are used to minimise water wasted and to improve litter quality, subsequently reducing ammonia levels inside the sheds. The water supply is diverted into two pipe systems, one for each half of the shed. A dosing pump attached to the water supply will allow for vaccine, vitamins or electrolytes to be administered accurately.

Water consumption will be monitored and recorded daily from water meters within the houses. Daily checks by farm staff will allow for equipment height to be adjusted meeting the need of the birds. Having drinkers at the correct level and adjusting the flow pressure will allow birds to utilise the water correctly thus minimising wasted water and maintaining litter quality. These checks will also allow staff to attend to any problems with equipment, such as a leaking drinker nipple.

During the cleaning operation strict guidelines are given by a "tailored" site-specific terminal hygiene plan. This gives levels of water usage and dilution rates for the relevant detergents/disinfectants. Both staff and cleaning contractors are made fully aware of the terminal hygiene procedures.

All poultry houses are fully insulated, and have an adequate ventilation system to help regulate temperature and maintain a healthy environment inside the house, during times of extreme weather. Thus water consumption should not hugely increase during times of hot weather.

## **Minimising Waste**

Raw materials are selected to meet the requirements of the end market, with competitive drivers determining in some cases the specific materials consumed. All the raw materials used in the process are approved for use under the MAFF approved list of cleaning chemicals and ACP scheme (Assured Chicken Production). Other raw materials consumed are frequently reviewed, with the aims of these reviews being to improve process performance and to minimise potential environmental impact.

The installation is part of a large volume low margin industry where waste minimisation is fundamental for productivity and profitability, consequently the management of the process is designed to minimise process losses and waste generation.

Inorganic waste generated by the farm will mainly consist of paper, plastic and glass. Paper waste will be commonly generated from chick box liners upon delivery of day old chicks. Plastic waste will normally be in two forms, wrapping from bales of wood shavings and bottles from used disinfectants and detergents. The latter form of plastic waste is returned to the Company for disposal after use, as are used light bulbs.

The amount of plastic waste can be minimised through good managerial techniques. By good management of the litter quality, fewer bales of wood shavings will be needed, thus lowering the amount of plastic wrapping discarded. Large, empty, plastic bottles from detergents can be 'recycled' and used for foot dip containers or smaller rubbish bins for the storerooms. Poultry carcasses are, under normal circumstances, collected and stored in sealed containers awaiting regular collection under the fallen stock scheme by a licensed collection agent, or incinerated in a DEFRA approved incinerator. As a contingency plan or if an outbreak of high mortality should arise, carcasses will be placed in sealed containers and removed, as detailed in the emergency plan.

In the event of high mortality caused by disease, the operator will follow the guidance of the allocated veterinarian dealing with the outbreak. The mortality would be disposed of at an approved landfill site under the advice of that veterinarian, after consideration of weather conditions and geographical haulage parameters.

## **Biomass Boilers**

Make and Boiler Model – HDG Compact 199 Hackgut, Nominal heat output 199.2Kwh

Number of boilers 8 Total heat output 1594Kwh

Exhaust stack heights 6.5m

Adjacent building heights 5.5m

Farm Centre Grid Reference 395626,253850

Exhaust stack Grid References

1. 395639,253816 (bank of 4 stacks)

2. 395655,253839 (bank of 4 stacks)

Boiler ash sent to waste landfill

Approved biomass fuel only

On site storage 100 tonnes

Estimated annual tonnage 1200



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## EVALUATION

for

### heating boilers regarding the requirements of ANNEX B - RHI Emissions Certificates

**Customer:** HDG Bavaria GmbH, Siemensstraße 22, 84323 Massing

**Subject of Test:** Heating boilers for compressed wood (wood pellets) or  
chipped wood B1,  
automatically stoked, with combustion air fan

**Type:** HDG Compact

**Sizes:** HDG Compact 99 Pellet, HDG Compact 99 Hackgut,  
HDG Compact 100 Pellet, HDG Compact 100 Hackgut,  
HDG Compact 105 Pellet, HDG Compact 105 Hackgut,  
HDG Compact 150 Pellet, HDG Compact 150 Hackgut,  
HDG Compact 194 Pellet, HDG Compact 199 Hackgut,  
HDG Compact 200 Pellet, HDG Compact 200 Hackgut

**Basis of Test:** Renewable Heat Incentive: Providing certainty, improving  
performance, dated 20 July 2012,  
ANNEX B - RHI Emissions Certificates

**Test Laboratory:** TÜV SÜD Industrie Service GmbH  
Abteilung Feuerungs- und Wärmetechnik  
Prüfbereich Wärmetechnik

**Test Reports:** H-C5 1232-00 12 dated 2012-11-13,  
H-C6 1232-00 12 dated 2012-11-13,  
H-C1 1232-00/07 dated 2007-09-26,  
H-C2 1232-01/11 dated 2011-10-31,  
H-A 1232-04 08 dated 2008-11-06,  
H-C7 1232-00 12 dated 2012-11-13,  
H-C8 1232-00 12 dated 2012-11-13,  
H-C3 1232-00/07 dated 2007-09-26 and  
H-C4 1232-00/07 dated 2007-09-26

The tests for the sizes HDG Compact 99 Pellet, HDG Compact 99 Hackgut,  
HDG Compact 100 Pellet, HDG Compact 100 Hackgut, HDG Compact 105 Pellet,  
HDG Compact 105 Hackgut, HDG Compact 194 Pellet,  
HDG Compact 199 Hackgut, HDG Compact 200 Pellet,  
HDG Compact 200 Hackgut were performed with positive results.

The heating boiler sizes HDG Compact 150 Pellet and  
HDG Compact 150 Hackgut are not tested intermediate sizes according to  
DIN EN 303-5:1999-06, clause 5.1.3. The data is given by the manufacturer.

Date: 2012-11-13

Our reference:  
IS-TAF-MUC/si

Report no. H2 1232-00/12  
Order no.1872012

Document:  
H2 1232 00 12RHC100.doc

Page 1

This document includes  
2 pages and 12 annexes

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approval of TÜV SÜD  
Industrie Service GmbH.

The test results refer exclusively  
to the units under test.



Headquarters: Munich  
Trade Register Munich HRB 96 869  
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Information pursuant to Section 2(1)  
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[www.tuev-sued.com/imprint](http://www.tuev-sued.com/imprint)

Supervisory Board:  
Karsten Xander (Chairman)  
Board of Management:  
Ferdinand Neuwieser (CEO),  
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[www.tuev-sued.de/is](http://www.tuev-sued.de/is)  
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TÜV SÜD Industrie Service GmbH  
Feuerungs- u. Wärmetechnik  
Ridlerstrasse 65  
80339 Munich  
Germany



The correspondent forms of ANNEX B - RHI Emissions Certificates<sup>1</sup> are enclosed to this document.

Notes to the filled in forms ANNEX B - RHI Emissions Certificates:

Note 1: name of test house, see above Test Laboratory

Note 2: official logo of test house, see head line

Note 3: general accreditation for appliances firing gaseous, liquid and solid fuel due to German accreditation law by ZLS, Zentralstelle der Länder für Sicherheitstechnik,  
the accreditation is updated nowadays; new accreditation office DAkkS,  
new accreditation number D-PL-14153-04-00

Note 4: test performed according to DIN EN 303-5:1999-06

Note 5: (page 2 note 5),

HDG Compact 99 Pellet, HDG Compact 100 Pellet, HDG Compact 105 Pellet, HDG Compact 194 Pellet and HDG Compact 200 Pellet used fuel wood pellets C, spruce with a water content 7.0 %, Hu 17460 kJ/kg,

HDG Compact 99 Hackgut, HDG Compact 100 Hackgut and HDG Compact 105 Hackgut used fuel chipped wood B1, spruce with water content 25.7 %, Hu 13428 kJ/kg and with a water content 21.8 %, Hu 14292 kJ/kg,

HDG Compact 199 Hackgut used fuel chipped wood B1, spruce with a water content 19,8 %, Hu 14832 kJ/kg, with a water content 22,5 %, Hu 14256 kJ/kg and with a water content 24,0 %, Hu 13932 kJ/kg,

HDG Compact 200 Hackgut used fuel chipped wood B1, spruce with a water content 10.1 %, Hu 16812 kJ/kg

Note 6: (page 2 note 6),

all heating boilers HDG Compact .. Pellet useable fuel wood pellets C,  
all heating boilers HDG Compact .. Hackgut useable fuel chipped wood B1  
according to DIN EN 303-5:1999-06, clause 1

Note 7: The heating boiler of size/models HDG Compact 150 Pellet and HDG Compact 150 Hackgut are not tested intermediate size/models according to DIN EN 303-5:1999-06, clause 5.1.3. The data is given by the manufacturer.

Feuerungs- und Wärmetechnik

A handwritten signature in blue ink, appearing to read 'J. Steiglechner', written over a horizontal line.

Johannes Steiglechner

<sup>1</sup> Within this confirmation evaluations of results concerning the conformity with the requirements of the Renewable Heat Incentive (RHI) are informative for the client and do not represent a valuation as defined by the procedures of RHI, which is reserved to the Certification office.

# ANNEX B - RHI Emissions Certificate

All sections must be completed

1. TEST HOUSE	
a) name of test house	see evaluation page 2, note 1
b) official logo of test house	see evaluation page 2, note 2
c) was testing done before [date of regulation]?	no
d) was the test house accredited to ISO 17025 at the time of testing?	yes, by DAkkS
e) organisation with which the test house was accredited at the time of testing if not accredited to ISO 17025	-
e) accreditation number	D-PL-14153-04-00

2. APPLIANCE	
Appliance 1	
a) name of the appliance tested	HDG Compact
b) model of the appliance tested	HDG Compact 199 Hack
c) manufacturer of the appliance tested	HDG Bavaria GmbH
d) what is the nominal heat output of the appliance in kilowatts (kW)?	199
e) is the appliance a <u>manually stoked, natural draught boiler</u> (that is without a fan providing forced or induced draught)?	no
f) has this appliance been assessed on the basis of family rules (paragraphs 11.1 and 11.2 of the Government emissions methodology)?	no
g) if the answer to 2f) is 'yes', give name and model of the related appliance which has been tested and the RHI emissions certificate number	-
3. FUELS	
a) what were the fuels used when testing? <i>Please describe using the fuels table below</i>	chipped wood B1, spruce
b) based on the testing, what range of fuels can be used in compliance with the emission limits for total particulate matter (PM) and oxides of nitrogen (NOx)? <i>Please describe using the fuels table below</i>	chipped wood B1
4. TESTS	
a) were the tests conducted to EN	

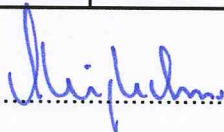
303-5 ( <i>applies to appliances • 500kW</i> )?	yes, see eval. p. 2, n. 4
b) was condensable PM measured ( <i>applies to appliances • 500kW which are manually stoked, natural draught boilers</i> )?	not applicable, heating boiler operated with combustion air fan
c) were the tests conducted to EN 14792:2005 <b>and</b> either EN 13284-1:2002 or ISO 9096:2003, with the results an average of a minimum of three PM tests each of at least 30-minute duration and the average NO <sub>x</sub> measurement determined from continuous measurements undertaken throughout the PM measurement period ( <i>applies to &gt;500kW appliances</i> )?	not applicable, nominal heat output < 500 kW
d) was the product tested a production sample which is fully representative of the current production?	yes, according to manufacturer
e) was the appliance tested at • 85% of its rated output?	yes, at 101 %
f) did the tests show that emissions were no greater than 30g/GJ PM and 150g/GJ NO <sub>x</sub> ?	yes
g) what were the measured emissions of PM: give figures in grams per GigaJoule (g/GJ) net thermal input?	9 thermal input 231,0 kW 7 thermal input 65,3 kW
h) what were the measured emissions of NO <sub>x</sub> : give figures in grams per GigaJoule (g/GJ) net thermal input?	98 thermal input 231,0 kW 78 thermal input 65,3 kW

## Fuels Table

All descriptions to use terminology of EN 303-5 or EN 14961 wherever relevant

Category of fuel		Description of test fuel	Description of the range of fuels certified as useable in compliance with the PM and NOx limits, based on the tests				
	Tick all categories of fuel tested	Class/type of fuel + any additional fuel description	Class/type of fuel + any additional fuel description	Size/ dimensions	Moisture content	Ash content	Calorific Value
Wood log							
Wood chip	x	B1, s. p.2 n.5	B1, s. p.2 n.6	length 1 - 10 cm	15 - 35 %		
Wood pellet							
Wood briquette							
Sawdust							
Other fuels listed in EN303-5 or EN 14961							
Other fuels <u>not</u> listed in EN303-5 or EN 14961							

Johannes Steiglechner



name and signature of the person authorised to issue the certificate

2012-11-13

date of issue of the certificate

Annex 12 to document no. H2 1232-00/12

certificate reference number for quoting in any correspondence.



## **Energy Efficiency.**

Energy consumption at the poultry site is monitored on a regular basis, with an aim to reduce usage year on year. This is in an effort to reduce costs and improve profitability. As a result, lower consumption, will have a benefit on the environment by using less resources and potentially lowering emissions from the site.

Measures undertaken at the site are:

1. Regular reading of electricity meter
2. Regular reading of Mains Gas meter/ tank stock readings
3. Ventilation matched to the physiological/welfare needs of the birds
4. Regular maintenance of heating system to ensure efficiency
5. Drinking system regularly maintained, properly adjusted to bird height to prevent leaks.
6. Integrity of buildings maintained to prevent ingress of water and draughts, insulation levels above 150mm fibre glass.
7. Use of low energy light bulbs, installation of windows in side walls to allow ingress of natural light.
8. Regular servicing of all electrical equipment by qualified personnel.

## **Environmental Management System Summary**

### **Normal Operations**

On a daily basis this will include checks on all equipment to ensure its proper functionality, with any defects being logged and repairs instigated. Daily records will be kept of water and feed consumption, temperatures, humidity and bird mortalities. More detailed description of these operations are listed in the included "Site Operations Document".

### **Maintenance Schedule Recording**

Maintenance log submitted details preventative measures servicing carried out on site, these will cover the main areas such as feed and water systems, heating and ventilation systems in line with manufacturers guidance. Generators are test run weekly under full load to ensure their availability under a mains power interruption, this will also test the alarm systems notifying staff members. Regular checks are made on buildings integrity, including fuel tank bunding and collision protection barriers for all fuel and feed storage areas.

### **Incidents and Abnormal Operations**

Any deviations from normal operations are logged and dated, with corrective actions noted, listing person/contractor detailed to implement corrective actions, dated and signed.

### **Complaints**

All complaints are recorded on the "Complaints Log". This will be dated and nature of complaint recorded, site manager/operator will be responsible for investigation of complaint, remedial action taken and complainant notified of the corrective action taken. The site will display a sign with permit number and contact details for both farm and Environment Agency, at a location outside the site boundary that has public access.

### **Accident/Emergency Plan**

A detailed emergency plan is held on site to cover all eventualities that may pose an environmental risk. As per the H1 risk assessment for accidents.

## Biomass Operation – Management/Emergency Plan

Type of operation	Potential Risk	Control Measures
Boiler operation	Fire hazard	Operated to manufacturer's specifications and guidance. Regular servicing and cleaning. Daily operating temperatures recorded.
Boiler operation	Dust /noise or odour	Any deviance from normal operation should result in boiler shutdown with abnormalities recorded and manufacturer's guidance requested before further use.
Boiler operation	Ash removal and storage	Ash should be removed as per manufacturer's guidance using the correct PPE, storage of ash in sealed heat proof container awaiting disposal with litter at crop depletion.
Boiler Operation	Vandalism/Intruders	Boiler house to remain locked and secure at all times with authorised access only.
Woodchip storage	Fire risk	Authorised entry only, warning signs displayed of fuel storage, ie. No Smoking, No Naked flames etc.
Woodchip storage	Overheating	Moisture content monitored and recorded frequently (daily) to prevent mass overheating.

### Training

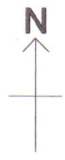
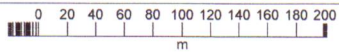
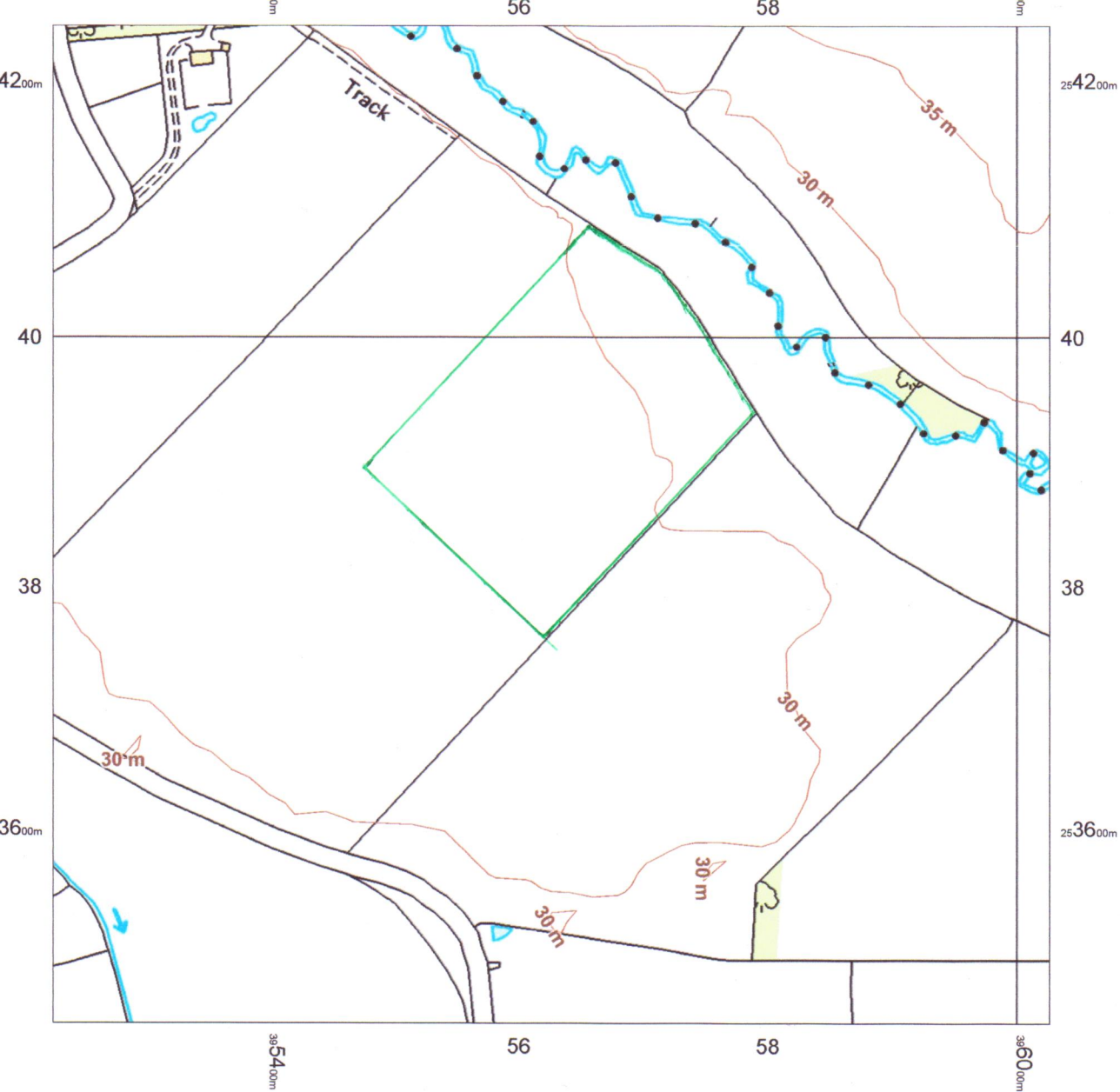
All staff are suitably qualified to work at the installation, any new staff are mentored until such time as training is given. Staff are trained in both Health and Safety and environmental awareness. All staff and Contractors are made aware of the "How to Comply Document" upon entry to the site. Both staff and contractors have defined roles.

### **Installation Plans**

All key plans are reviewed on an annual basis or following an incident, with details and dates recorded of any amendments. These will include Emergency, Noise, Odour and Site Closure Plans.

### **Site Security**

Site does not have a secure boundary fence, all fuel stores, poultry houses and all store rooms are kept locked and secure, preventing any unauthorised access.



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 16 April 2014, ID: HMC-00317236  
[www.themapcentre.com](http://www.themapcentre.com)

1:5000 scale print at A4, Centre: 395626 E, 253850 N

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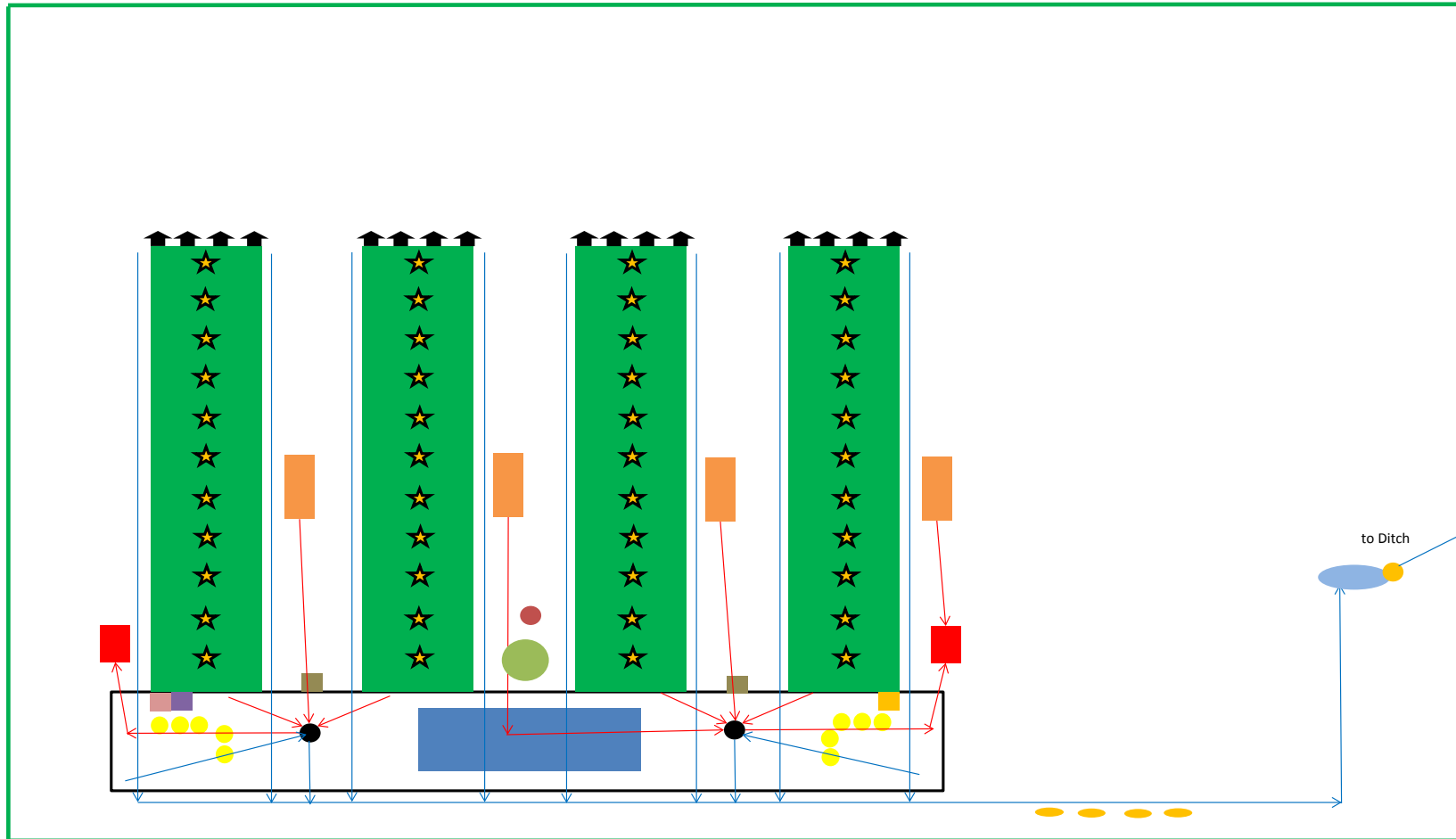
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Frogmore site/Drainage plan



North  
↗



- |                               |                                    |                  |            |
|-------------------------------|------------------------------------|------------------|------------|
| Feed Bins                     | High Velocity Roof Extraction Fans | Chemical store   | Water tank |
| Site Boundary                 | Gable Fans (summer cooling)        | Dirty Water Tank | Bore hole  |
| Concrete Area                 | Poultry Houses                     | 20,000 Itrs      |            |
| Bunded Fuel Tank              | Generator                          | Feed shed        |            |
| 1300ltr                       | Foul Water                         | Flow chamber     |            |
| LPG tanks 4000ltrs            | Clean Water                        | Swale            |            |
| Biomass boilers/woodchipstore | Drain including Diverter valve     | Heat exchanger   |            |

# **Fugitive Emissions**

**F C Jones & Co**

## **Frogmore Poultry Unit**

The main emissions from the poultry unit operated at Frogmore Poultry Unit will be: Ammonia, Dust, Odour and Noise.

There are no sensitive receptors within 400m of the installation.

The farm makes every effort to prevent or minimise these emissions to significantly reduce any potential impact on the surrounding area.

The table attached lists the various processes associated with Broiler production, the potential impact, severity and duration and measures in place to prevent or minimise emissions. In addition to the measures described in the table, extensive earth bunding, tree planting and mature hedges, help to reduce the impact of the poultry unit.

Screening from Environment Agency has not highlighted issues to statutory or non-statutory sites. See H1 assessment.

# **Fugitive Emissions/Plan**

## **Frogmore Farm**

**The attached table lists all emissions showing:**

- 1. Type of Emission**
- 2. Pathway**
- 3. Receptors**
- 4. Effects/Severity**
- 5. Risk management/techniques**



Source of Emission	Emission e.g. odour, noise, dust, ammonia, run-off, spillage	Receptor Air, water, land, Humans, plants	Description of Impact and Duration of impact i.e. short term (ST), medium (MT) or long term (LT)	Significance of negative impacts: major +++ moderate ++ minor + nil 0	Mitigation / Management Measures e.g. installation planning, technical measures
Livestock rearing incl cleaning out, feed storage, use of machinery	Ammonia	Air Land Plants	Direct toxic effect on trees (ST) Nutrient enrichment of soils (LT) Nutrient enrichment of arable land Increased acidification of soil close to housing (LT) Changes to sensitive ecosystems (LT)	+++ ++ 0 ++ +++	<ul style="list-style-type: none"> <li>• Feed targeted to maximise FCR and minimise amount of ammonia produced</li> <li>• Litter kept friable</li> </ul>
	Odour	Humans	Nuisance (ST)	++	<ul style="list-style-type: none"> <li>• Avoid overflow from feed and drinking systems</li> <li>• Avoid build up of stagnant water</li> <li>• Enclose dirty water collection systems</li> <li>• Empty dirty water tanks promptly</li> <li>• Empty and clean dirty water collection systems to avoid anaerobic conditions</li> <li>• Maintain drains</li> <li>• Maintenance and correct positioning of drinkers to avoid spillage</li> <li>• Avoid condensation within buildings through correct ventilation</li> <li>• Frequent removal of litter / manure / slurry</li> <li>• Spills cleaned up promptly</li> </ul>

<b>Livestock rearing incl cleaning out, feed storage, use of machinery</b>	Dust	Humans	Nuisance (ST) Contributes to odours (ST) Health issues – inhalation (LT)	+ + ++	<ul style="list-style-type: none"> <li>• Regular clearing of dust to prevent accumulations around fan exhausts</li> <li>• Minimise production of dust through Choice of bedding material e.g. wood shavings</li> <li>• Correct ventilation</li> <li>• Avoidance of flock disturbance</li> <li>• Humidity monitored</li> </ul>
		Plants	Covers leaves stopping photosynthesis (ST)	++	
		Land	Nutrient enrichment of soils (LT)	++	
		Water	Nutrient enrichment (MT)	+	
		Air	Impacts on air quality (ST)		
	Noise	Humans	Nuisance (ST)	++	<ul style="list-style-type: none"> <li>• Feed deliveries during reasonable hours</li> <li>• Neighbours notified of destocking</li> <li>• Buildings insulated</li> <li>• Equipment regularly maintained</li> <li>• Cleaning operations during daylight hours</li> <li>• Fans run intermittently</li> <li>• Roads and tracks maintained to minimise noise produced</li> <li>• Alarms tested at a reasonable hour</li> </ul>

<b>Livestock rearing incl cleaning out, feed storage, use of machinery</b>	Zoonoses Notifiable diseases	Humans Livestock	Biosecurity risks (ST)	++	<ul style="list-style-type: none"> <li>• Livestock monitored for signs of disease, incidents reported quickly</li> <li>• Strict biosecurity measures followed by all staff, contractors and visitors</li> </ul>
	Spillage of feed, litter, Wash water	Land	Nitrogen and Phosphorus levels in excess of crop requirements in soil (ST) Potential for increased mineral or metal content of soils (LT)	++  +	<ul style="list-style-type: none"> <li>• All wash water and yard washing contained in tanks</li> <li>• Avoid build up of stagnant water</li> <li>• Enclosed dirty water collection systems</li> <li>• Empty dirty water tanks prior to clean out</li> <li>• Spills cleaned up promptly</li> </ul>
		Water	Possible toxic effects on wildlife (ST) Increased biochemical oxygen demand (BOD) of watercourses (ST)	+++ +++	<ul style="list-style-type: none"> <li>• Disposal into dirty water tanks or into litter</li> </ul>

<b>Use of Vehicles</b>	Soil, Pressure of vehicle on land	Land	Soil compaction (ST) Transfer of soil across and off the installation (ST) Rutting of Soil	++ + ++	<ul style="list-style-type: none"> <li>• Trafficking avoided</li> <li>• Adequate hard standing for clean out operations</li> </ul>
	Spillage of contents	Water	Increased biochemical oxygen demand (BOD) of watercourses (ST) Nutrient leaching from soil to surface waters and groundwater (LT) Nutrient enrichment (eutrophication) of watercourses and groundwater	+++ +++ +++	<ul style="list-style-type: none"> <li>• Covered vehicles used</li> <li>• Vehicles maintained</li> <li>• Vehicle integrity checked</li> <li>• Brooms and shovels available</li> </ul>
	Odour Noise	Humans	Nuisance (ST)	++	<ul style="list-style-type: none"> <li>• Type and size of vehicle suitable to task</li> <li>• Loads covered or closed</li> <li>• Vehicles parked as close as possible to housing for loading</li> <li>• Depopulation scheduled for minimum disruption</li> </ul>

<b>Disposal of carcasses Incl. Fallen Stock Scheme</b>	Odour	Humans	Nuisance (ST)	++	<ul style="list-style-type: none"> <li>• Use of covered or sealed containers</li> <li>• Carcasses collected daily</li> </ul>
		Livestock	Biosecurity risks (ST)	++	<ul style="list-style-type: none"> <li>• Use of covered containers</li> <li>• Carcasses disposed of daily</li> <li>• Bait traps used</li> </ul>
	Pests	Humans	Nuisance caused by vermin or flies (ST) Biosecurity risks (ST)	+ ++	<ul style="list-style-type: none"> <li>• Use of covered/sealed containers</li> <li>• Carcasses disposed of daily</li> <li>• Bait traps used</li> <li>• Spills cleared up promptly</li> </ul>

<b>Source of Emission</b>	<b>Emission e.g. odour, noise, dust, ammonia, run-off, spillage</b>	<b>Receptor Air, water, land, Humans, plants</b>	<b>Description of Impact and Duration of impact i.e. short term (ST), medium (MT) or long term (LT)</b>	<b>Significance of negative impacts: major +++ moderate ++ minor + nil 0</b>	<b>Mitigation / Management Measures e.g. installation planning, technical measures</b>
<b>Litter/Wash water spreading</b>	Ammonia	Air Land Plants	Direct toxic effect on trees (LT) Nutrient enrichment of soils (LT) Increased acidification of soil close to housing (LT) Changes to sensitive ecosystems (LT)	+++ ++ ++ +++	<ul style="list-style-type: none"> <li>• Wash water spread by splash plate spreader</li> <li>• No spreading in adverse weather conditions</li> <li>• No spreading at weekends Bank Holidays</li> <li>• No spreading at night</li> <li>• No spreading close to neighbours houses</li> <li>• Temporary field heaps stored away from neighbours</li> <li>• Guidance followed from DEFRA codes</li> </ul>
	Nitrogen, phosphorus, and organic matter	Water	Increased biochemical oxygen demand (BOD) of watercourses (ST) Nutrient leaking from soil to surface waters and groundwater (LT) Nutrient enrichment (eutrophication) of watercourses and groundwater (LT)	+++ +++ +++	<ul style="list-style-type: none"> <li>• Manure management Plan followed</li> <li>• Compliance with NVZ requirements</li> <li>• Compliance with DEFRA codes of good agricultural practice for the protection of soil water and air</li> </ul>

Source of Emission	Emission e.g. odour, noise, dust, ammonia, run-off, spillage	Receptor Air, water, land, Humans, plants	Description of Impact and Duration of impact i.e. short term (ST), medium (MT) or long term (LT)	Significance of negative impacts: major +++ moderate ++ minor + nil 0	Mitigation / Management Measures e.g. installation planning, technical measures
	Nitrogen, phosphorus, and organic matter	Land	Nitrogen and Phosphorus levels in excess of crop requirements in soil (LT) Potential for increased mineral or metal content of soil (LT)	++  +	<ul style="list-style-type: none"> <li>• Manure management plan in place</li> <li>• NVZ compliant</li> </ul>
					<ul style="list-style-type: none"> <li>•</li> </ul>

Source of Emission	Emission e.g. odour, noise, dust, ammonia, run-off, spillage	Receptor Air, water, land, Humans, plants	Description of Impact and Duration of impact i.e. short term (ST), medium (MT) or long term (LT)	Significance of negative impacts: major +++ moderate ++ minor + nil 0	Mitigation / Management Measures e.g. installation planning, technical measures
<b>Storage of Fuel, chemicals etc.</b>	Fuel, chemicals	Water	Contamination of surface and groundwaters (ST) Killing of animals and plants (ST)	+++ +++	<ul style="list-style-type: none"> <li>• Bunded storage</li> <li>• Use of environmentally friendly chemical</li> </ul>
	Odour, health risk – skin contact, inhalation	Humans	Nuisance (ST) Human Health issues (ST)	++ +	<ul style="list-style-type: none"> <li>• Safety Data sheets available with chemicals/fuels</li> <li>• Accident action plan in place</li> <li>• Spill kits available</li> <li>• Removal of spillage as soon as possible</li> </ul>



Source of Emission	Emission e.g. odour, noise, dust, ammonia, run-off, spillage	Receptor Air, water, land, Humans, plants	Description of Impact and Duration of impact i.e. short term (ST), medium (MT) or long term (LT)	Significance of negative impacts: major +++ moderate ++ minor + nil 0	Mitigation / Management Measures e.g. installation planning, technical measures
Waste storage e.g. Dirty water Tanks and field heaps	Ammonia	Air	Direct toxic effect on trees (ST)	++	<ul style="list-style-type: none"> <li>Tanks covered</li> <li>Temporary field heaps stored away from neighbours</li> <li>Guidance followed from DEFRA codes</li> </ul>
		Land	Nutrient enrichment of soils (LT)	++	
		Plants	Increased acidification of soil close to housing (LT)	++	
			Changes to sensitive ecosystems (LT)	+++	
	Odour	Humans	Nuisance (MT)	++	<ul style="list-style-type: none"> <li>Temporary field heaps stored away from neighbours</li> <li>Tanks covered</li> <li>Compliance with DEFRA codes of good agricultural practice for the protection of soil water and air</li> </ul>
	Wash Water	Land	Nitrogen and Phosphorus levels in excess of crop requirements in soil (LT)	+	<ul style="list-style-type: none"> <li>Manure management plan in place</li> <li>NVZ compliant</li> <li>Low grade pollutant, minimal emissions</li> </ul>
			Potential for increased mineral or metal content of soil (LT)	+	
		Water	Increased biochemical oxygen demand (BOD) of watercourses (ST)	++	<ul style="list-style-type: none"> <li>Sealed tanks for both house and yard washings</li> <li>Tanks visually inspected before use</li> </ul>
			Nutrient enrichment (eutrophication) of watercourses and groundwater(LT)	++	
			Leaching from soil to surface/G. water	++	

Source of Emission	Emission e.g. odour, noise, dust, ammonia, run-off, spillage	Receptor Air, water, land, Humans, plants	Description of Impact and Duration of impact i.e. short term (ST), medium (MT) or long term (LT)	Significance of negative impacts: major +++ moderate ++ minor + nil 0	Mitigation / Management Measures e.g. installation planning, technical measures
<b>Biomass Exhaust/Oper ation</b>	Combustion Gases	Air Land Plants Humans	Direct toxic effect on trees (ST) Changes to sensitive ecosystems (LT)	++ ++	<ul style="list-style-type: none"> <li>Operated to manufacturer's guidance</li> <li>Regular servicing</li> </ul>
	Odour	Humans	Nuisance (MT)	+	<ul style="list-style-type: none"> <li>Operated to manufacturer's guidance</li> <li>Regular servicing</li> </ul>
	Noise	Humans	Nuisance (MT)	+	<ul style="list-style-type: none"> <li>Operated to manufacturer's guidance</li> <li>Regular servicing</li> </ul>

## Noise Assessment

<b>Hazard</b>	<b>Receptor</b>	<b>Pathway</b>	<b>Risk Management</b>	<b>Probability of exposure</b>	<b>Consequence</b>	<b>What is the overall risk</b>
Ventilation fans	400m South	Air	Fans operated intermittently Regular maintenance	Slight	Unlikely to cause annoyance	Slight
Feed/Fuel Deliveries	400m South	Air	Time restricted deliveries	medium	Potential to disrupt sleep	Slight
Alarm systems	400m South	Air	No audible alarms on site	None	Potential to disrupt sleep	None
Bird Catching	400m South	Air	Lorries routed away from village Use of plastic bird crates Level loading operating areas	Slight 12 – 18 days per year	Annoyance to village dwellings	Slight
Clean out operations	400m South	Air	Operations carried out during normal working hours	Slight	Unlikely to cause annoyance	Slight
Standby Generator	400m South	Air	Housed within insulated building Test runs in normal working time	Slight	Unlikely to cause annoyance	Slight



## Noise Management Plan

Potential Noise Problem	Minimisation Techniques	In Place Y/N	Completion Date
Ventilation Fans	Noise assessed during daily inspections Fans operated on an intermittent programme Regular end of cycle maintenance Earth bunding as a screen Tree or shrub screen	YES YES YES	
Feed Deliveries	Delivery lorries fitted with silencers Large capacity lorries to reduce no. of deliveries Road/track maintenance Delivery time restrictions	YES YES	continuous
Feeding Systems	Daily inspections Regular end of cycle maintenance	YES YES	
Fuel Deliveries	Time restricted if needed		
Alarm Systems	Audible alarms timed to normal working hours Use of pagers or mobile phones	YES	

Bird Catching	Notify neighbours in advance Catch teams fully trained Lorries scheduled to minimise duration of catch Doors operated for entry and exit of forklift Lorries parked as close as possible to doors to reduce forklift travel Screen curtains fitted to lorries	YES YES YES YES YES	
Clean out operations	Litter removal during normal working hours Trailers parked as close as possible to doors to reduce loader travel Large trailers used to reduce traffic Washing done during normal working hours	YES YES YES YES	
Maintenance/Repair	During normal working hours Routine end of cycle servicing	YES YES	
Set up/Placement	Normal working hours	YES	
Standby Generator	Test run during normal working hours	YES	

Signed

Date

Review Date

# Noise Management Plan

F C Jones & Co

Frogmore Poultry Unit

Frogmore poultry operations have sensitive receptors within 500m of the site boundary. The nearest being some 400m in a southerly direction. The site has no history of substantiated noise complaints within the last three years.

A walk around assessment will be conducted to establish possible sources of noise emissions, and consideration given to different operations occurring during the whole of the production cycle.

The main possible noise sources/operations are listed below:

1. Ventilation Fans
2. Feed Deliveries
3. Feeding Systems
4. Fuel Deliveries
5. Alarms Systems
6. Bird Catching
7. Clean out Operations
8. Maintenance + Repairs
9. Set up and Placement
10. Standby Generator testing

A table listing these sources with measures to control/reduce noise emissions is listed below.

In the event of a complaint a report would be filled in (example attached)

## **Non Technical Summary**

Frogmore farm will have a permit to rear 250,000 broilers in 4 poultry houses, houses are to be heated by Eight biomass units with a combined thermal input capacity of 1594kw. In addition to conserve energy a heat exchanger will be fitted to each house.

Birds will be housed at day old and de populated at around thirty-two to forty days of age with approximately seven days empty, which will give between 6 to 8.5 cycles per annum, this will be done on an all out all in basis.

Before bird arrival the houses will be pre-warmed by hot water blown air heaters. Floors will be covered to a minimum depth of 2 cm of bulk wood shavings. Temperature and humidity will be computer controlled and closely monitored on a daily basis to achieve a target level of 21° C post brooding and a relative humidity of 55-60%, this should achieve litter with a dry matter content of between 60-70%, which is important to minimising emissions. Ventilation is controlled by a negative pressure system using side mounted extraction fans with ridge vent air inlets. Water is via a nipple drinking system fitted with cups to reduce leakage and spills leading to drier litter.

Birds will be fed a minimum of three diets during their growth, with gradually reducing levels of protein and phosphorous as bird age increases.

Feed is delivered from the company UKASTA accredited feed mill and blown into bulk feed bins situated at the ends of the houses, from the feed bins the feed is augered into the houses and distributed to the birds via a pan feeding system.

At depletion the litter will be removed from the site and sold to third parties. The farm will then be pressure washed disinfected, dried out prior to the cycle beginning again.

Fallen stock during the production cycle will be collected and recorded daily. These will be collected regularly by a licensed collection agent under the National Fallen Stock Scheme.

The above measures are designed to reduce emissions, trees and hedges will trap dust particles reducing odour. Ammonia emissions will be reduced by reduced protein feed, maintaining good litter conditions with dry matter content above 60%. Containment of wash waters will prevent pollutants being released to the environment.

Management plans are in place to reduce odour and noise.

Records of tonnages of litter and wash water exported off site are recorded.



## Odour Assessment

HAZARD	RECEPTOR	PATHWAY	RISK MANAGEMENT	PROBABILITY OF EXPOSURE	CONSEQUENCE	WHAT IS THE OVERALL RISK
Poultry rearing	400m South	Air	Keep litter friable Non leaking drinker system Correct house temp and ventilation	slight	Odour annoyance to humans	Not significant
Depopulation	400m South	Air	Covered vehicles	Very slight	Odour annoyance to humans 18 nights/year	Not significant
De-littering	400m South	Air	Vehicles parked close to houses during loading Covered loads	slight	Odour annoyance to humans 6 days/year	Not significant
Cleaning operations	400m South	Air	Use of DEFRA approved chemicals	slight	Odour annoyance to humans 6 days/year	Not significant

# Odour Management Plan

F C Jones & Co

## Frogmore Poultry Unit

Milton poultry operations have sensitive receptors within 500m of the installation. The closest being some 400m away in an easterly direction.

The installation has no history of substantiated odour complaints relating to the operations at the installation within the last three years.

A walk around assessment will be conducted to identify sources and intensity of odour emissions at varying distances from the installation.

Consideration was given to prevailing weather conditions and operations at varying times during the production cycle.

1. Prevailing weather/wind direction from a west-southwest direction.
2. Odour production peak during catching and litter removal.

The following list identifies possible odour sources or operations:

1. Broiler House Ventilation Fan Outlets
2. Carcase Storage
3. Carcase Disposal
4. Litter Removal
5. Washing Operations
6. Litter Storage
7. Litter/slurry Spreading

Having identified the possible sources, the measures in place to minimise odour emissions have been given in the attached table.

In the event of a complaint, this would be recorded on the attached complaints log and a review conducted of the odour plan with any amendments added and the Environment Agency notified of the changes.

## Odour Management Plan

Potential Source	Minimisation Technique	Review Date
Broiler Production Housing	<p>Litter to be kept as dry and friable as possible</p> <p>Ventilation appropriate for bird welfare and to prevent a build up of humidity</p> <p>Staged protein reduction in diets for age</p> <p>Leak proof drinking system to prevent wet litter</p> <p>Drinking systems inspected twice daily as a minimum</p> <p>Additional bedding material applied during cycle to maintain dry litter</p> <p>Early disease detection as sick birds can cause poor/wet litter</p> <p>Water consumption monitored daily</p> <p>Humidity monitored daily</p> <p>Correct temperature maintained for bird age</p> <p>Adequate building insulation</p> <p>Integrity of buildings sound as to prevent the ingress of water</p> <p>Routine end of cycle maintenance</p> <p>Tree/ shrub planting as a screen</p> <p>Maintain site cleanliness</p> <p>Any spills dealt with promptly and correctly (see emergency plan)</p> <p>Site clean and foul water drainage systems kept clean</p>	
Carcases	<p>Mortalities collected daily</p> <p>Stored in sealed vermin proof containers</p> <p>Regular collection (frequency increased during summer months) by licensed agent under the national fallen stock scheme</p>	
Litter Removal	<p>Trailers parked as close as possible to doors to reduce dust being blown away</p> <p>Trailers not overfilled</p> <p>Trailers sheeted</p>	
Washing Operations	<p>Containment of all wash water</p> <p>Terminal hygiene plan followed</p> <p>Dilution rates adhered to</p> <p>Chemical product selection (if odorous use alternative approved product)</p> <p>Avoid weekends/bank holidays</p>	
Litter Storage	<p>Temporary field heaps should be sited away from sensitive receptors</p>	
Litter/slurry Spreading	<p>No spreading at weekends or bank holidays</p> <p>No spreading in still, high humidity conditions</p>	

	No spreading close to neighbours Strict compliance with manure spreading plan Incorporate as soon as possible (litter only)	
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### **Odour Complaint Form**

Installation Name	Date Recorded	Reference Number
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Name and Address of caller:	
Tel. No. of caller	
Location of caller in relation to Installation	
Time and Date of complaint	
Date, Time and duration of Offending odour	
Callers description of odour	
Has the caller any other Comments about the odour?	
Weather conditions	
Wind strength and direction	
Any previous complaints Relating to this odour?	
Any other relevant information	
Potential odour sources that could give rise to the complaint	
Operating conditions at the time offending odour occurred	
Follow up Date and time caller contacted	
Action taken	
Amendment requirement to Odour Management Plan	
Form completed by	
	Signed

**Table 1: Raw materials inventory**

Inventory of Raw Material	On approved lists	Quantity used (litres or kg/yr) p.a.	Quantity stored on site (kg) <b>normally</b>
a) Biocides (includes disinfectants, wood preservatives, slimicides)			
Biokill Disinfectant	Yes		
Biofoam E	Yes		
Bio VX Disinfectant	Yes		
Oocide	Yes		
Shift	Yes	600ltr	100ltr
GPC 8	Yes		
Bioclean Aqua	Yes	600ltr	100ltr
Kick Off	Yes		
Farm Fluid	Yes	600ltr	100ltr
Kick Start	Yes		
Formalin	Yes	4200ltr	700ltr
Ammonia	Yes		
Interkohast	Yes		
b) Pesticides (including herbicides, fungicides, insecticides, vertebrate control products, biological pesticides)			
Roundup	Yes	5ltr	5ltr
Headland Manifest	Yes		
c) Veterinary medicines (excluding dietary additives)			
Lincospectin	Yes		
Gumboro D78	Yes		
Vetremox	Yes		
IB Vaccine	Yes	2.2mill doses	250000 doses
Gumboro	Yes	2.2mill doses	250000 doses
Tylan	Yes		
d) Bedding types			
Wood Shavings	Yes	150tonnes	25 tonnes
e) Fuels & Oils			
Gas		30000ltr	16000ltr
Red Diesel		800ltr	1300ltr
Kerosene			
Woodchip		1200t	100t

## Routine Maintenance Schedule

Item Description	Frequency	Action	Date	Comments
Fuel Storage	Weekly	Check bunding and stocks		
Drainage System	Weekly	Ensure gulley's and sediment traps are clean Check guttering and downspouts. Ensure catchment tanks are empty prior to wash down. Check changeover/diverter valves and bungs for operation and integrity		
Buildings Integrity	Monthly	Visual check around outside of buildings and concrete areas		
Electrical Systems	Service each crop Daily during crop	Service by qualified electrician. Ensure correct daily operation		
Heating System	Service each crop Daily during crop	Routine maintenance Ensure correct daily operation		
Ventilation System	Service each crop Daily during crop	Routine maintenance Ensure correct daily operation		

Feeder System	Service each crop Daily during crop	Routine maintenance Ensure correct daily operation		
Drinker System	Service each crop Daily during crop	Clean and sanitise Adjust height daily, record water usage and check for leaks		
Generator	Service bi-annual Test run weekly	Service contract Check for any leaks		
House environment	Daily	Ensure correct temperature and humidity levels to maintain litter quality.		
Wash down Tanks	During wash down	Monitor levels during washing to maintain at least 300mm freeboard		



## Review Schedule

<b>Item Description</b>	<b>Frequency</b>	<b>Action</b>	<b>Date</b>	<b>Carried out by</b>	<b>Comments</b>
Emergency Plan	Annually or following An incident				
Odour Plan	Annually or complaint Received				
Noise Plan	Annually or complaint Received				
Water Review	Every four years				
Energy Review	Every four years				
Drainage Review	Within 12 months Of Permit issue				
Buildings Review	Within 12 months Of Permit issue				
Management Techniques Review	Within 12 months Of Permit issue				





# Site Closure Plan

## Frogmore Poultry Unit

Site closure plan would be implemented in a series of stages to cover all aspects of the operation of the Installation. Listed below are the relevant stages in order, with the appropriate steps and measures to render the site in a satisfactory condition for closure to the satisfaction of the regulator, for surrender of permit.

1. Litter removal
2. Cleaning operations
3. Housing
4. Fuel
5. Chemicals
6. Feed
7. Waste Materials
8. Services
9. Survey

### **1. Litter removal**

All litter will be removed by the operators staff or contractors, and taken off site for use on operator controlled land as fertiliser in compliance with the manure management plan, or sold with tonnages and destinations recorded.

### **2. Cleaning**

All housing, equipment and ancillary works will be pressure washed and disinfected. Storage tanks for wash waters will be emptied and then closed.

### **3. Housing**

Following cleaning all equipment will be stored securely with fan exhausts and ventilation shafts being covered to keep out pests.

### **4. Fuel**

Fuel suppliers will be contacted for the removal of any remaining fuel, and arrange for storage tanks to be rendered safe or removal.

### **5. Chemicals**

Surplus chemicals remaining would be taken to an operational site or returned to the supplier. Expired chemicals would be disposed of as per manufacturers recommendations.

#### **6. Feed**

Remaining feed would be collected by the supplier and taken to another operational site. The bins themselves would be cleaned and disinfected, before being sealed off.

#### **7. Waste materials**

All waste materials will be recorded and then collected by registered contractors and taken for disposal or reclamation. Storage receptacles will be returned where appropriate, areas for storage will be cleaned and disinfected.

#### **8. Services**

Utility services will be contacted in order that supplies can be shut off.

#### **9. Survey**

Upon completion of the above procedures, the condition of the site will be compared to the original Site Condition Report. This will then determine whether the operation of the installation has caused any pollution to the site.

Any pollution determined will be the responsibility of the operator, and remedied to the satisfaction of the regulator.

## Site Condition Report

1.0 SITE DETAILS	
Applicants Name	F C Jones & Co
Activity Address	Frogmore farm, Naunton Road, Upton Snodsbury, Worcestershire. WR7 4PD
National Grid Reference	395626,253850
Document Reference for Site Condition Report at permit application and surrender	30 <sup>th</sup> April 2014
	Appendix D Location Plan
	Appendix D Layout/Drainage Plan

2.0 Condition of the Land at Permit issue	
<p>Environmental setting including:</p> <p>Geology</p> <p>Hydrogeology</p> <p>Surface Waters</p>	<p>The poultry units lie on fairly level ground to the Southeast of Upton Snodsbury. Predominant land use is arable farming and grazing. Field pattern is semi small scale with a medium pattern of field boundaries. The nearest non-agricultural residence is situated at some 400 metres from the poultry houses in a southerly direction.</p> <p><b>Topography and Drainage</b></p> <p>Frogmore poultry operations lie on a flat area to the Southeast of Upton Snodsbury and Southwest of North Piddle, draining to the north east. The poultry houses are between 30 and 35 metres above sea level. With considerable tree planting around the units together with new hedges and woodland help to minimise the visual intrusion normally associated with poultry units.</p> <p><b>Geology and Hydrogeology</b></p> <p>Geology searches indicate the site is</p>

	<p>underlain with Blue Lias Formation and Charmouth Mudstone Formation for the majority of the site with a small section being Rugby Limestone member/mudstone and limestone interbedded.</p> <p>Searches on groundwater vulnerability show the installation situated over a Minor Aquifer Low, with the north eastern end of boundary over a Minor Aquifer High.</p> <p>The site is within a Nitrate Vulnerable Zone. The site is not situated in or within 250m of its boundary to a Ground Water/Source Protection Zone.</p> <p><b>Hydrology</b></p> <p>Piddle brook lies 40m to the north east of the installation boundary. Average rainfall for this area is 825 mm.</p> <p>An application for a licenced borehole on site will be submitted.</p>
<p><u>Pollution history including:</u></p> <p>Pollution incidents that may have affected land</p> <p>Historical land uses and associated contaminants</p> <p>Any visual/olfactory evidence of existing contamination</p> <p>Evidence of damage to pollution</p>	<p>None noted</p> <p>Polluting substances – None noted Previous use prior to 2014 – general agricultural use, grass and grazing</p> <p>None noted</p> <p>None noted</p>

prevention measures	
Evidence of historical contamination	N/A
3.0 Permitted Activities	<p>Planning permission is being sought for four poultry houses for Broiler chicken. This will give a total of 250,000 places. The working area where vehicles operate is laid to concrete. Dust deposited on hard standing by end gable fans is regularly swept up and disposed of in accordance with the DEFRA Code of Good Agricultural Practice for the Protection of Water. Feed is delivered in covered lorries and stored on site in vermin proof steel galvanised bins. Immediately following depopulation, litter is removed off site, and sold to third parties with Duty of Care letters held from all recipients giving assurances of adhering to the DEFRA Codes of Good Agricultural Practices and sufficient available spreading acreage. The houses are then washed and disinfected prior to the cycle beginning again. Underground storage tanks will have been installed to catch all wash waters. Dead birds are removed from the houses and stored in sealed containers awaiting collection from a licensed renderer Diesel fuel storage is in bunded tanks/storage areas.</p>
Non permitted activities undertaken	N/A
Document References	<p>Appendix D – Location Plan  Layout/Drainage Plan  Appendix G – H1 Assessment</p>
4.0 Changes to Activity	N/A
5.0 Measures taken to protect Land	<p>Site will be operated in compliance with “how to comply” routine maintenance schedules are followed and recorded and with any abnormal operations recorded.</p>
6.0 Pollution Incidents	N/A
7.0 Soil, gas and water quality monitoring	<p>No monitoring will be undertaken at the installation.</p>



## SITE OPERATIONS AND POLLUTION PREVENTION MEASURES

1.site operations (storage and use)	2. Substance	3. Relevant Activity	4. Possible Failure Mechanism and Potential for Pollution	5.History/Records or Visual Evidence of Leaks of Potentially Polluting Substances to Land that could result in ongoing emissions to land. Details of Pollution incidents/ Spills	6. Do Pollution prevention measures exist for relevant activity Y/N	7. Provide details of pollution prevention measures. To include primary, secondary or other	8. Testing and inspection of pollution prevention measures
Feed	Nutrients Phosphorus	Delivery to Storage	Spillage from bulk delivery lorry. Loss to land	None noted	Yes	Delivery in secure vehicle	Vehicle compliant with DOT. Regs
	Calcium Nitrogen	Transfer from delivery to Storage	Failure of Delivery pipe Loss to land	None noted	Yes	Deliveries monitored Spill equipment available	Pipe work regularly inspected
		Transfer to rearing units	Transfer pipe failure Loss to land	None noted	Yes	Spill equipment available eg. Bags/shovel/broom	Transfer pipes Checked twice daily

1.site operations (storage and use)	2. Substance	3. Relevant Activity	4. Possible Failure Mechanism and Potential for Pollution	5.History/Records or Visual Evidence of Leaks of Potentially Polluting Substances to Land that could result in ongoing emissions to land. Details of Pollution incidents/ Spills	6. Do Pollution prevention measures exist for relevant activity Y/N	7. Provide details of pollution prevention measures. To include primary, secondary or other	8. Testing and inspection of pollution prevention measures
Fuel	LPG/Gas	Storage tank(s)	Failure of containment. Loss to drainage/land	None noted	Yes	Tank. Collision protection	Integrity testing by Gas supplier
		Tanker delivery to storage	Spillage from road tanker. Loss to drainage/land	None noted	Yes	Delivery in secure vehicle	Tanker compliant with DOT Regs.
		Tanker transfer to storage	Failure of delivery pipe. Loss to land	None noted	Yes	Delivery monitored	Pipe work regularly inspected
		Supply pipe Work to Incinerator/ Heaters	Failure of underground pipeline. Loss to land	None noted	Yes	Approved BS Standard pipe used	Pressure/regulator gauges regularly checked
		Incinerator Heaters	Pipe failure. Loss to land	None noted	Yes	Preventative maintenance	Serviced by trained personnel

1.site operations (storage and use)	2. Substance	3. Relevant Activity	4. Possible Failure Mechanism and Potential for Pollution	5.History/Records or Visual Evidence of Leaks of Potentially Polluting Substances to Land that could result in ongoing emissions to land. Details of Pollution incidents/ Spills	6. Do Pollution prevention measures exist for relevant activity Y/N	7. Provide details of pollution prevention measures. To include primary, secondary or other	8. Testing and inspection of pollution prevention measures
Fuel	Gas Oil	Delivery to Storage	Spillage from Road Tanker on installation. Loss to drainage/land	None noted	Yes	Delivery in secure vehicle	Tanker compliant to DOT. Regs.
		Transfer from delivery to Storage	Failure of delivery pipe. Loss to drainage/land	None noted	Yes	Delivery in secure vehicle	Pipe/hose maintained by fuel company
		Storage	Containment Failure. Loss to drainage/land	None noted	Yes	Tank Plastic double skinned	Monthly visual inspection
		Supply Pipework to Generator Incinerator Heaters	Failure of pipe work Underground/surface. Loss to drainage/land	None noted	Yes	Underground steel pipe Use of BS Standard surface pipe	
		Generator Incinerator	Spillage within generator/incinerator Area. Loss to land	None noted	Yes	Pipe work Proprietary absorbent spill kit	6 Monthly maintenance inspection

1.site operations (storage and use)	2. Substance	3. Relevant Activity	4. Possible Failure Mechanism and Potential for Pollution	5.History/Records or Visual Evidence of Leaks of Potentially Polluting Substances to Land that could result in ongoing emissions to land. Details of Pollution incidents/ Spills	6. Do Pollution prevention measures exist for relevant activity Y/N	7. Provide details of pollution prevention measures. To include primary, secondary or other	8. Testing and inspection of pollution prevention measures
Litter	Nutrients Ammonia Nitrate	Storage in rearing unit During cycle	Cracking in concrete floor. Loss to land	None noted	Yes	Impermeable floor	Visual inspection after each cycle
	Heavy Metals	Transfer from rearing unit	Spillage from trailers/lorries. Loss to land	None noted	Yes	Loading on concrete area. Loads sheeted Trailers/lorries not overloaded	Visual monitoring of loading procedures

1.site operations (storage and use)	2. Substance	3. Relevant Activity	4. Possible Failure Mechanism and Potential for Pollution	5.History/Records or Visual Evidence of Leaks of Potentially Polluting Substances to Land that could result in ongoing emissions to land. Details of Pollution incidents/ Spills	6. Do Pollution prevention measures exist for relevant activity Y/N	7. Provide details of pollution prevention measures. To include primary, secondary or other	8. Testing and inspection of pollution prevention measures
Biocides (All DEFRA approved)	Disinfectants Detergents	Delivery to Storage on Site	Spillage from delivery vehicle. Loss to land	None noted	Yes	Delivery in secure vehicle	Vehicle compliant with DOT. Regs.
		Storage of unused Biocides	Container failure Theft. Loss to land	None	Yes	Secure Store Secondary containment	Visual twice weekly inspection
		Transfer from storage to other site areas	Spillage from transport vehicle. Loss to land	None	Yes	Spill kits available	Spill kits checked weekly
		Areas treated	Unauthorised usage Over application. Loss to land	None	Yes	Application by qualified personnel only	Documented Records
		Storage of used Biocides	N/A				

1. site operations (storage and use)	2. Substance	3. Relevant Activity	4. Possible Failure Mechanism and Potential for Pollution	5. History/Records or Visual Evidence of Leaks of Potentially Polluting Substances to Land that could result in ongoing emissions to land. Details of Pollution incidents/ Spills	6. Do Pollution prevention measures exist for relevant activity Y/N	7. Provide details of pollution prevention measures. To include primary, secondary or other	8. Testing and inspection of pollution prevention measures
Wash Waters/dirty water	Nutrients Metals Biocides	Wash Water from poultry houses	Cracked concrete Seepage to land	None noted	Yes	Impermeable base	Visual inspection after each cycle
		Wash Water From Yard (no biocide)	Cracked concrete Diverter/Bung Seepage to land/site drainage	None noted	Yes	Impermeable base. Appointed person	Visual inspection. Records
		Pipe work from Yard/Houses to Tanks	Pipe failure Loss to land	None noted	Yes	Sealed pipe work	Visual, before use.
		Below ground storage	Containment Failure overflow Loss to land or site drainage	None	Yes	Underground tank. Inspection before use	Visual, before use.
		Transfer from storage off Site	Pipe failure, tanker spillage Loss to land, site drainage	None	Yes	Secure vehicle	Tanker and pipe work regularly maintained

1.site operations (storage and use)	2. Substance	3. Relevant Activity	4. Possible Failure Mechanism and Potential for Pollution	5.History/Records or Visual Evidence of Leaks of Potentially Polluting Substances to Land that could result in ongoing emissions to land. Details of Pollution incidents/ Spills	6. Do Pollution prevention measures exist for relevant activity Y/N	7. Provide details of pollution prevention measures. To include primary, secondary or other	8. Testing and inspection of pollution prevention measures
Fallen Stock	Carcasses	Transfer to Storage	Negligible				
		Storage	Containment failure. Loss to land	None	Yes	Carcasses in sealed plastic bags. Stored in covered, vermin proof containers.	Documented Records.
		Transfer to collection Point	Negligible				Fallen stock scheme documentation

## Supporting Information

<b>Appendix 1</b>	<b>Part A</b>
<b>Appendix 2</b>	<b>Part B2</b>
<b>Appendix 3</b>	<b>Part B3</b>
<b>Appendix 4</b>	<b>Part F</b>
<b>Appendix A</b>	<b>Boiler Emission Data/RHI Certification</b>
<b>Appendix B</b>	<b>Non Technical Summary</b>
<b>Appendix C</b>	<b>Site Condition Report</b>
<b>Appendix D</b>	<b>Site Location/Layout/Drainage Plans</b>
<b>Appendix E</b>	<b>Management Summary/Operating Stand</b>
<b>Appendix F</b>	<b>Energy/Water/Waste Efficiency</b>
<b>Appendix G</b>	<b>H1 Assessment</b>
<b>Appendix H</b>	<b>Fugitive Emissions</b>
<b>Appendix I</b>	<b>Additional Partners</b>
<b>Appendix J</b>	<b>Odour/Noise Plans</b>
<b>Appendix K</b>	<b>Site Closure Plan</b>
<b>Appendix L</b>	<b>Raw Materials</b>



# **WASTE MANAGEMENT PLAN**

**SITE**                      **Frogmore Poultry Unit**

**ADDRESS**                **Frogmore Farm  
Naunton Road  
Upton Snodsbury  
Worcestershire  
WR7 4PD**

**DATE**                      **30/04/2014**

**Exemption Registration No. ....**

## **INDEX**

- 1. Objective**
- 2. Waste Identification**
- 3. Quantities produced**
- 4. Possible reductions**
- 5. Storage**
- 6. Disposal Methods**
- 7. Records**

# **1. OBJECTIVE**

To examine the complete process of Broiler Production to ensure that any waste produced by the operations is dealt with in compliance with the new Agricultural Waste Regulations 2006.

## **2. Waste Identification**

Main types of waste produced will be;

1. Paper and Cardboard – generated from chick boxes/tray liners, corrugated rolls separating chicks from walkway during placement, some packaging boxes, paper hand towel.
2. Plastics – this will be in the form of plastic containers (eg. Empty disinfectant containers), packaging (shaving bale wraps), disposable coveralls.
3. Glass – light bulbs, fluorescent tubes.
4. Fallen stock.

## **3. Quantities**

Per crop will produce approximately:

1. Variable amounts of packaging boxes and paper towel.
2. 200 kgs of plastic wrap, 100 disinfectant/detergent containers, 12 coveralls.
3. Variable, NB – Fluorescent tubes would be returned to Company stores by operator for collection. (hazardous waste)
4. Expected mortality 3%

## **4. Possible Reductions**

In general there is little scope for reduction as economic pressures on the business will be the main driving force in waste reduction.

1. Limited possibilities with paper and cardboard for reductions, possibly get chick suppliers to switch to reusable plastic chick trays.
2. Potential for reduction in plastics by the use of large bulk bales or on larger sites using bulk deliveries for initial base layer, correct ventilation for size and number of birds will reduce amount of top up bales needed.  
The terminal hygiene program used will dictate detergent and disinfectant container quantities.
3. Light bulbs /tubes – use of low energy/long lasting.

## **5. Storage**

The Agricultural Waste Regulations 2006 permit the storage of Non-Hazardous waste for a period of up to twelve months. Waste stored must be in a secure place, which will prevent material blowing away or causing any form of pollution to the environment.

## **6. Disposal**

The preferred method of disposal is to be sent for recycling, the local Environment Office can give details of licensed premises able to accept a variety of wastes for recycling.

If sent for disposal, this must be through a licensed carrier and taken to a registered landfill site.

Fallen stock should be either, incinerated in a DEFRA approved incinerator or by collection by a licensed carrier under the National Fallen Stock Scheme.

## **7. Records**

Recycled waste is sent back to the company's field stores for storage prior to reclamation.

Records must be kept of quantities, movement dates, destination and method of disposal.

All licensed waste centre's/carriers will issue transfer notes for waste taken.

Recording sheet attached.

## Pre-application Report

To: Kinsey Hern

Pre-application number: EPR/FP3533ZX/A001

### **Re: Frogmore Farm**

Naunton Road  
Upton Snodsbury  
Worcestershire  
WR7 4PD

Date Completed – 12/09/2012

Thank you for seeking advice before submitting an application for an Environmental Permit.

We have completed an initial ammonia screening assessment for your proposal to identify if you will need to submit a detailed modelling assessment with your application.

The screening assessment is based on your proposal to operate a farm which is permitted to stock 250,000 broiler places.

### **Summary of the assessment:**

**Based on the information you have provided you do not need to submit detailed modelling with your application.** Further information about the screening results are provided in detail in Annex 1.

Please include this report in your H1 Environmental Risk Assessment and submit with your completed application form to the address given below.

For an example H1 Environmental Risk Assessment refer to the example Intensive Farming EPR application available on the Environment Agency Website:

<http://www.environment-agency.gov.uk/business/sectors/40057.aspx>

### **Applying for your permit**

You will need to complete application form parts A, B2 and B3 and F.

Your application should be sent to:

Permitting Support Centre  
Environment Agency  
Quadrant 2

99 Parkway Avenue  
Parkway Business Park  
Sheffield  
S9 4WF

If you need further information about this screening assessment or applying for your permit please contact the following officer:

Screening Officer



Pre-application nature conservation data are correct at the time of screening. We will consider all nature conservation sites using best available information at the time of permitting. Our GIS data are updated regularly, and we are occasionally made aware of additional nature conservation sites by other organisations which we will consider when determining a permit.

The Environment Agency takes care to ensure that the conclusions of the screening assessment are correct at the time of preparation but reserves the right to change the basis of the assessment in the light of technical developments or changes in Environment Agency procedures.

# Annex 1 Ammonia Screening Results

## Screening Input

Grid Reference used for the assessment: 395626, 253850 (with a 75m buffer)

### Animal numbers and types

Animal numbers and types, housing systems, manure and slurry storage assessed are listed below. The animal numbers and emission factors are based on an interpretation of the information provided by the applicant during the pre-application process and have been used in this initial risk assessment to identify if modelling is necessary.

Category of livestock	Housing system	Number of poultry places	Ammonia Emission Factor (kg NH <sub>3</sub> /animal place/year)
Broilers	Fan ventilated fully littered floor, non-leaking drinkers  Roof ventilation only (vents greater than 5.5 metres high, fan efflux velocity greater than 7 m/s)*	250,000	0.034

\* this can include gable end fans that are used for heat extraction only during the summer months

If you decide to alter your proposal by increasing the number of animal places or by changing the animal housing type or by increasing the manure or slurry storage you will need to request a new screening assessment.

## Screening Overview

This screening assessment has considered any Special Areas of Conservation (SAC), Special Protection Areas (SPA) and Ramsar sites within 10km; any Sites of Special Scientific Interest (SSSI) within 5km and also any National Nature Reserves (NNR), Local Nature Reserves (LNR), ancient woodlands and local wildlife sites (LWS) within 2km of the farm.

We have used the Environment Agency's Ammonia Screening Tool (AST v4.3) to assess the impact of your proposal at those sites identified within the above distance criteria.

We have applied a two stage screening criteria to the ammonia screening tool results:

For SAC, SPA, Ramsar and SSSIs the screening assessment has taken into account other intensive farms that could act in combination with the proposal.

Where the ammonia screening tool predicts that emissions of ammonia or ammonia deposition (nutrient nitrogen or acid) will be <Y% (see Table 1 below) of the relevant Critical Level or Critical Load, the proposal screens out of the requirement for an ammonia assessment.

Further modelling is required where:

- emissions of ammonia or ammonia deposition (nutrient nitrogen or acid) are in excess of Z% of the relevant Critical Level (ammonia) or Critical Load (nutrient nitrogen or acid) at any particular designated site;
- there is the potential for an in-combination effect with existing farms at a SAC, SPA, Ramsar and/or SSSI if emissions are > Y% of the critical level or critical load;
- the original permit for the installation required an Improvement Condition to reduce ammonia emissions;
- your proposal is within 250m of a nature conservation site.

**Table 1 Screening thresholds**

Designation	Y%	Z%
SAC, SPA, Ramsar	4	20
SSSI	20	50
NNR, LNR, LWS, ancient woodland	50	100

### **Screening Results**

The ammonia impacts from the proposal screened out and therefore detailed modelling is not required.

[REDACTED]

---

**From:** steve raasch [stephenraasch@gmail.com]  
**Sent:** 15 May 2014 14:54  
**To:** [REDACTED]  
**Subject:** Re: Application EPR/FP3533ZX/A001 - Frogmore Poultry Unit

Hi [REDACTED]

Sorry, yes the H1 assessment comprises the noise, odour assessment along with the screening from yourselves.

Regards

Steve

On 15 May 2014 14:52, [REDACTED] wrote:

Hi Steve

Thanks for your email.

I'm just doing a quick check to ensure that all of the documents that you have listed in the application are actually present. Can you clarify which document (or documents) comprises the H1 Risk Assessment as I can't actually see a document titled as such? Does the H1 document comprise of the noise assessment, odour assessment and fugitive emissions documents?

Many thanks

[REDACTED]

---

**From:** steve raasch [<mailto:stephenraasch@gmail.com>]  
**Sent:** 14 May 2014 07:39  
**To:** [REDACTED]  
**Subject:** Re: Application EPR/FP3533ZX/A001 - Frogmore Poultry Unit

Hi [REDACTED]

Hope that there are not too many errors in the application, let me know if you need any further information.



Regards

Steve

On 13 May 2014 16:49, [REDACTED] > wrote:

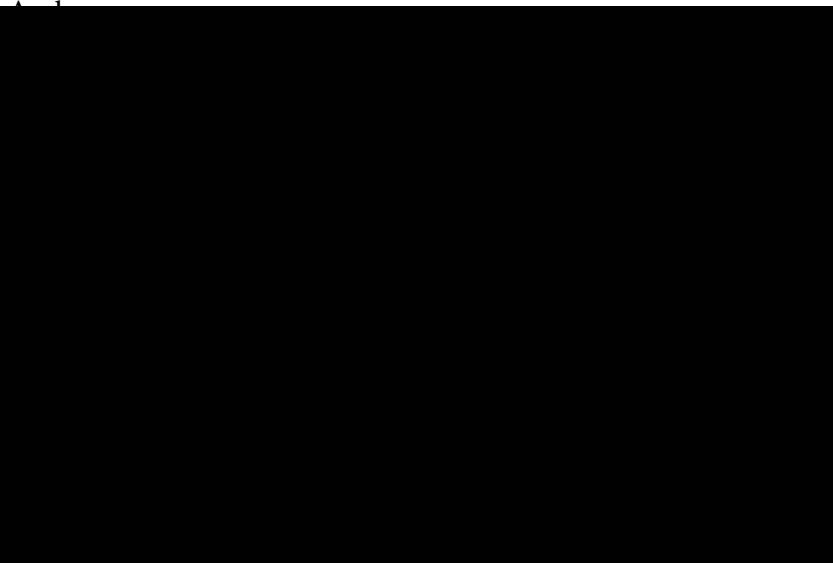
Dear Stephen

I would like to take this opportunity to introduce myself as the permitting officer who has been allocated the application from 'Hern, Hern and Hern' for Frogmore Poultry Unit.

I have just been allocated this piece of work so have no questions or comments at this stage but I just wanted to introduce myself. I will be in touch in due course to let you know whether I can duly make the application or not.

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Kind regards



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[REDACTED]

---

**From:** steve raasch [stephenraasch@gmail.com]  
**Sent:** 16 May 2014 12:24  
**To:** [REDACTED]  
**Subject:** Re: Application EPR/FP3533ZX/A001 - Frogmore Poultry Unit  
**Attachments:** Impact Cover Sheet.doc; Noise Assessment.docx; Noise Management Plan (2).doc; Odour Assessment.docx; Odour Management (1).doc

Hi [REDACTED]

Please see amended documents with the sensitive receptor to the north west.

Regards

Steve

On 16 May 2014 12:07, [REDACTED] wrote:

Hi Steve

Thanks for the confirmation below.

I'm just carrying out my duty making checks and just wanted to check something with you. It has been stated within the Fugitive Emissions document that there are no sensitive receptors within 400m of the installation. However, there is a property (looks like a farm) approximately 370m to the north west of the proposed installation boundary that doesn't appear to have been identified; does this belong to the applicant? A property in excess of 400m has been identified in your risk assessments, which lies to the south. This has been referred to in the noise management plan. However, another receptor has been identified in the odour management plan, which lies "400m away in an easterly direction." I think that this may be a mistake as I cannot identify any such receptor on my systems. Is this supposed to refer to the receptor which is situated to the south?

Many thanks for your help.

Kind regards

[REDACTED]

---

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**To:** [REDACTED]

**Subject:** Re: Application EPR/FP3533ZX/A001 - Frogmore Poultry Unit

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**Sent:** 14 May 2014 07:39

**To:** [REDACTED]

**Subject:** Re: Application EPR/FP3533ZX/A001 - Frogmore Poultry Unit

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Regards

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I have just been allocated this piece of work so have no questions or comments at this stage but I just wanted to introduce myself. I will be in touch in due course to let you know whether I can duly make the application or not.

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[REDACTED]

[REDACTED]n



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[REDACTED]

---

**From:** Steve Raasch [stephenraasch@gmail.com]  
**Sent:** 19 May 2014 15:51  
**To:** [REDACTED]  
**Subject:** Re: Application EPR/FP3533ZX/A001 - Frogmore Poultry Unit

Hi [REDACTED]

Apologies that I missed your phone calls, will be available about 9.00 am Tuesday. Non-tech summary incorrect should be high velocity roof fans, will amend and resend.

Regards

Steve

Sent from my iPhone

On 19 May 2014, at 14:10, [REDACTED] wrote:

Good afternoon Steve

I've tried giving you a call this morning and this afternoon but unfortunately I was unable to reach you.

One further question from me at this stage: When the pre-app ammonia screening was done in September 2012, the housing system was described as "Roof ventilation only (vents greater than 5.5 metres high, fan efflux velocity greater than 7 m/s)." I note that in the non technical summary submitted with the application the ventilation system is described as being "controlled by a negative pressure system using side mounted extraction fans with ridge vent air inlets." Can you confirm that the information in the non technical summary is correct? The discrepancy between the criteria by which the screening was carried out in 2012 and the information in the non technical summary may mean that we have to carry out the pre-app ammonia screening again.

Another point that I should make at this moment is that our charging scheme was recently reviewed and changed and applications received after the 22<sup>nd</sup> April are subject to the new charges. The fee received with this application was **£3650** and the amended fee is now **£3750**. Therefore the application will be not duly made because of this. However, please **do not** send any additional fee at this stage. I will ask our Permitting and Support Centre (PSC) to send a not duly made letter, but I do not want to do this until all of my checks are complete i.e. there may be other not duly made points that need adding to the letter.

I have a appointment this afternoon and I'm therefore leaving the office shortly, however, I would like to give you a call tomorrow (I'm conscious that we haven't spoken on the phone yet!) to discuss the application. Is there a suitable time for you?

Many thanks

[REDACTED]

---

**From:** steve raasch [<mailto:stephenraasch@gmail.com>]  
**Sent:** 16 May 2014 14:06  
**To:** [REDACTED]  
**Subject:** Re: Application EPR/FP3533ZX/A001 - Frogmore Poultry Unit



Thanks [REDACTED] you too.

Regards

Steve

On 16 May 2014 14:02, [REDACTED] [ent-agency.gov.uk](mailto:[REDACTED]@ent-agency.gov.uk)> wrote:

Hi Steve

Many thanks for that. I'll continue my checks and contact you on Monday.

Have a good weekend.

Kind regards

[REDACTED]

---

**From:** steve raasch [mailto:[stephenraasch@gmail.com](mailto:stephenraasch@gmail.com)]  
**Sent:** 16 May 2014 12:24

**To:** [REDACTED]  
**Subject:** Re: Application EPR/FP3533ZX/A001 - Frogmore Poultry Unit

Hi [REDACTED]

Please see amended documents with the sensitive receptor to the north west.

Regards

Steve

On 16 May 2014 12:07, [REDACTED] [nt-agency.gov.uk](mailto:[REDACTED]@nt-agency.gov.uk)> wrote:

Hi Steve

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I'm just carrying out my duty making checks and just wanted to check something with you. It has been stated within the Fugitive Emissions document that there are no sensitive receptors within 400m of the installation. However, there is a property (looks like a farm) approximately 370m to the north west of the proposed installation boundary that doesn't appear to have been identified; does this belong to the applicant? A property in excess of 400m has been identified in your risk assessments, which lies to the south. This has been referred to in the noise management plan. However, another receptor has been identified in the odour management plan, which lies "400m away in an easterly direction." I think that this may be a mistake as I cannot identify any such receptor on my systems. Is this supposed to refer to the receptor which is situated to the south?

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[\[REDACTED\]  
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**Subject:** Re: Application EPR/FP3533ZX/A001 - Frogmore Poultry Unit

Hi [REDACTED]

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Regards

Steve

On 13 May 2014 16:49, [REDACTED] [nt-agency.gov.uk](#)> wrote:

Dear Stephen

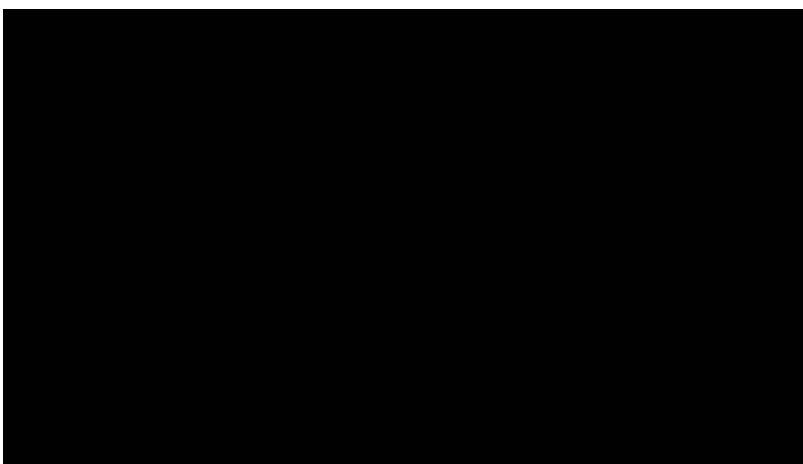
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A [REDACTED]



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This message has been scanned and no issues discovered.

[REDACTED]

---

**From:** steve raasch [stephenraasch@gmail.com]  
**Sent:** 18 June 2014 13:25  
**To:** [REDACTED]  
**Subject:** Re: Frogmore Farm - Request for further information

Hi [REDACTED]

Can confirm as our discussion earlier, please disregard the example odour modelling, in discussion with the applicant we will conduct odour modelling for the proposed installation given the concerns raised at this location.

Acceptable that Duly Made will be completed when this modelling and data files have been submitted, would hope to have this by end of June.

The area surrounding the poultry houses to the north, east and west will be grassed areas acting as soakaways.

Regards

Steve

On 18 June 2014 13:10, Stephen, Andrew <[andrew.stephen@environment-agency.gov.uk](mailto:andrew.stephen@environment-agency.gov.uk)> wrote:

Hi Steve

As discussed this morning there are still a few outstanding points with regards to the Not duly Made questions posed.

As we discussed, the odour modelling sent through as detailed in your email below will be disregarded as this farm is currently not operational and the modelling was carried out for fewer birds than is proposed for Frogmore Farm (200,000 opposed to 250,000). Can you confirm that you are happy to withdraw this modelling report?

You have indicated that you intend to carry out detailed modelling at Frogmore Farm to answer the following not duly made question:

**11. Odour management:**

B) Please provide evidence that there is negligible risk of odour pollution beyond the installation boundary for 250,000 broilers? For example, has some form of impact assessment been carried out for other farms of a similar size, operation and for similar distances to nearby receptors, or has odour modelling for this site (for 250,000 broilers) been carried out? If you do submit odour modelling, please also submit the electronic data input files.



As I made clear in our phone call, we are not insisting that modelling is carried out at this stage, but if you feel that this method best answers the above question, then that is your choice. When the report is submitted please also submit the relevant data files. Can you confirm that you understand that the application will not be duly made until the above question is answered?

As we also discussed, the modelling needs to reflect the 'worst case scenario' and that the information used to carry out the modelling accurately reflects the appropriate measures that will be used on the farm. During the determination of the application, the modelling data will be examined in combination with the Odour Management Plan. Depending on this assessment, we may need to revisit the odour modelling and OMP as necessary.

In addition to the above, can you confirm that the 3 sides of the sheds where concrete is not present (i.e. the northern, eastern and western sides), are grassed areas which act as soakaways?

For your information and for future reference please note that the Technical Standards document that has been provided doesn't reflect in full that which was provided in the example application document sent through when the application was not duly made. Below the 'Slurry spreading and manure management planning –off-site-activity' section there are a number of subsequent sections: Emissions and monitoring, fugitive emissions, dust, carcass management, flies, bunding and containment, agriculture fuel oil and other chemical storage, foodstuff, odour, noise and vibration.

I look forward to hearing from you.

Kind regards

[Redacted signature]

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**From:** steve raasch [mailto:[stephenraasch@gmail.com](mailto:stephenraasch@gmail.com)]  
**Sent:** 18 June 2014 10:41  
**To:** [Redacted]  
**Subject:** Odour Frogmore

Hi [Redacted]

Please see attached odour modelling for a similar unit, is not too far away from Frogmore and would have same met data and terrain.

Page 15 shows an OS map showing the odour plume and the distance concentrations.

Page 16 shows the levels at receptors, none quite match the same distances however the paragraph below states that the odour unit concentration falls below 3 at 250m from site, this would demonstrate that odour pollution beyond site boundary at the nearest receptor would be well within the bounds of acceptability.

The grid reference for the outfall from swale/attenuation pond 395727,254037.

This may move marginally as this is a greenfield site.

Regards

Steve

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# **Fugitive Emissions**

**F C Jones & Co**

## **Frogmore Poultry Unit**

The main emissions from the poultry unit operated at Frogmore Poultry Unit will be: Ammonia, Dust, Odour and Noise.

There are sensitive receptors within 400m of the installation.

The farm makes every effort to prevent or minimise these emissions to significantly reduce any potential impact on the surrounding area.

The table attached lists the various processes associated with Broiler production, the potential impact, severity and duration and measures in place to prevent or minimise emissions. In addition to the measures described in the table, extensive earth bunding, tree planting and mature hedges, help to reduce the impact of the poultry unit.

Screening from Environment Agency has not highlighted issues to statutory or non-statutory sites. See H1 assessment.

## Noise Assessment

<b>Hazard</b>	<b>Receptor</b>	<b>Pathway</b>	<b>Risk Management</b>	<b>Probability of exposure</b>	<b>Consequence</b>	<b>What is the overall risk</b>
Ventilation fans	370 North west	Air	Fans operated intermittently Regular maintenance	Slight	Unlikely to cause annoyance	Slight
Feed/Fuel Deliveries	370 North west	Air	Time restricted deliveries	medium	Potential to disrupt sleep	Slight
Alarm systems	370 North west	Air	No audible alarms on site	None	Potential to disrupt sleep	None
Bird Catching	370 North west	Air	Lorries routed away from village Use of plastic bird crates Level loading operating areas	Slight 12 – 18 days per year	Annoyance to village dwellings	Slight
Clean out operations	370 North west	Air	Operations carried out during normal working hours	Slight	Unlikely to cause annoyance	Slight
Standby Generator	370 North west	Air	Housed within insulated building Test runs in normal working time	Slight	Unlikely to cause annoyance	Slight



## Noise Management Plan

Potential Noise Problem	Minimisation Techniques	In Place Y/N	Completion Date
Ventilation Fans	Noise assessed during daily inspections Fans operated on an intermittent programme Regular end of cycle maintenance Earth bunding as a screen Tree or shrub screen	YES YES YES	
Feed Deliveries	Delivery lorries fitted with silencers Large capacity lorries to reduce no. of deliveries Road/track maintenance Delivery time restrictions	YES YES	continuous
Feeding Systems	Daily inspections Regular end of cycle maintenance	YES YES	
Fuel Deliveries	Time restricted if needed		
Alarm Systems	Audible alarms timed to normal working hours Use of pagers or mobile phones	YES	

Bird Catching	Notify neighbours in advance Catch teams fully trained Lorries scheduled to minimise duration of catch Doors operated for entry and exit of forklift Lorries parked as close as possible to doors to reduce forklift travel Screen curtains fitted to lorries	YES YES YES YES YES	
Clean out operations	Litter removal during normal working hours Trailers parked as close as possible to doors to reduce loader travel Large trailers used to reduce traffic Washing done during normal working hours	YES YES YES YES	
Maintenance/Repair	During normal working hours Routine end of cycle servicing	YES YES	
Set up/Placement	Normal working hours	YES	
Standby Generator	Test run during normal working hours	YES	

Signed

Date

Review Date

# Noise Management Plan

F C Jones & Co

Frogmore Poultry Unit

Frogmore poultry operations have sensitive receptors within 500m of the site boundary. The nearest being some 370m in a north westerly direction. The site has no history of substantiated noise complaints within the last three years.

A walk around assessment will be conducted to establish possible sources of noise emissions, and consideration given to different operations occurring during the whole of the production cycle.

The main possible noise sources/operations are listed below:

1. Ventilation Fans
2. Feed Deliveries
3. Feeding Systems
4. Fuel Deliveries
5. Alarms Systems
6. Bird Catching
7. Clean out Operations
8. Maintenance + Repairs
9. Set up and Placement
10. Standby Generator testing

A table listing these sources with measures to control/reduce noise emissions is listed below.

In the event of a complaint a report would be filled in (example attached)



## **Non Technical Summary**

Frogmore farm will have a permit to rear 250,000 broilers in 4 poultry houses, houses are to be heated by Eight biomass units with a combined thermal input capacity of 1594kw. In addition to conserve energy a heat exchanger will be fitted to each house.

Birds will be housed at day old and de populated at around thirty-two to forty days of age with approximately seven days empty, which will give between 6 to 8.5 cycles per annum, this will be done on an all out all in basis.

Before bird arrival the houses will be pre-warmed by hot water blown air heaters. Floors will be covered to a minimum depth of 2 cm of bulk wood shavings. Temperature and humidity will be computer controlled and closely monitored on a daily basis to achieve a target level of 21° C post brooding and a relative humidity of 55-60%, this should achieve litter with a dry matter content of between 60-70%, which is important to minimising emissions. Ventilation is controlled by a negative pressure system using high velocity roof mounted extraction fans with side wall air inlets. Water is via a nipple drinking system fitted with cups to reduce leakage and spills leading to drier litter.

Birds will be fed a minimum of three diets during their growth, with gradually reducing levels of protein and phosphorous as bird age increases.

Feed is delivered from the company UKASTA accredited feed mill and blown into bulk feed bins situated at the ends of the houses, from the feed bins the feed is augered into the houses and distributed to the birds via a pan feeding system.

At depletion the litter will be removed from the site and sold to third parties. The farm will then be pressure washed disinfected, dried out prior to the cycle beginning again.

Fallen stock during the production cycle will be collected and recorded daily. These will be collected regularly by a licensed collection agent under the National Fallen Stock Scheme.

The above measures are designed to reduce emissions, trees and hedges will trap dust particles reducing odour. Ammonia emissions will be reduced by reduced protein feed, maintaining good litter conditions with dry matter content above 60%. Containment of wash waters will prevent pollutants being released to the environment.

Management plans are in place to reduce odour and noise.

Records of tonnages of litter and wash water exported off site are recorded.

## Odour Assessment

HAZARD	RECEPTOR	PATHWAY	RISK MANAGEMENT	PROBABILITY OF EXPOSURE	CONSEQUENCE	WHAT IS THE OVERALL RISK
Poultry rearing	370 North west	Air	Keep litter friable Non leaking drinker system Correct house temp and ventilation	slight	Odour annoyance to humans	Not significant
Depopulation	370 North west	Air	Covered vehicles	Very slight	Odour annoyance to humans 18 nights/year	Not significant
De-littering	370 North west	Air	Vehicles parked close to houses during loading Covered loads	slight	Odour annoyance to humans 6 days/year	Not significant
Cleaning operations	370 North west	Air	Use of DEFRA approved chemicals	slight	Odour annoyance to humans 6 days/year	Not significant

# Odour Management Plan

F C Jones & Co

## Frogmore Poultry Unit

Frogmore poultry operations have sensitive receptors within 500m of the installation. The closest being some 370m away in a north westerly direction.

The installation has no history of substantiated odour complaints relating to the operations at the installation within the last three years.

A walk around assessment will be conducted to identify sources and intensity of odour emissions at varying distances from the installation.

Consideration was given to prevailing weather conditions and operations at varying times during the production cycle.

1. Prevailing weather/wind direction from a west-southwest direction.
2. Odour production peak during catching and litter removal.

The following list identifies possible odour sources or operations:

1. Broiler House Ventilation Fan Outlets
2. Carcase Storage
3. Carcase Disposal
4. Litter Removal
5. Washing Operations
6. Litter Storage
7. Litter/slurry Spreading

Having identified the possible sources, the measures in place to minimise odour emissions have been given in the attached table.

In the event of a complaint, this would be recorded on the attached complaints log and a review conducted of the odour plan with any amendments added and the Environment Agency notified of the changes.

## Odour Management Plan

Potential Source	Minimisation Technique	Review Date
Broiler Production Housing	<p>Litter to be kept as dry and friable as possible</p> <p>Ventilation appropriate for bird welfare and to prevent a build up of humidity</p> <p>Staged protein reduction in diets for age</p> <p>Leak proof drinking system to prevent wet litter</p> <p>Drinking systems inspected twice daily as a minimum</p> <p>Additional bedding material applied during cycle to maintain dry litter</p> <p>Early disease detection as sick birds can cause poor/wet litter</p> <p>Water consumption monitored daily</p> <p>Humidity monitored daily</p> <p>Correct temperature maintained for bird age</p> <p>Adequate building insulation</p> <p>Integrity of buildings sound as to prevent the ingress of water</p> <p>Routine end of cycle maintenance</p> <p>Tree/ shrub planting as a screen</p> <p>Maintain site cleanliness</p> <p>Any spills dealt with promptly and correctly (see emergency plan)</p> <p>Site clean and foul water drainage systems kept clean</p>	
Carcases	<p>Mortalities collected daily</p> <p>Stored in sealed vermin proof containers</p> <p>Regular collection (frequency increased during summer months) by licensed agent under the national fallen stock scheme</p>	
Litter Removal	<p>Trailers parked as close as possible to doors to reduce dust being blown away</p> <p>Trailers not overfilled</p> <p>Trailers sheeted</p>	
Washing Operations	<p>Containment of all wash water</p> <p>Terminal hygiene plan followed</p> <p>Dilution rates adhered to</p> <p>Chemical product selection (if odorous use alternative approved product)</p> <p>Avoid weekends/bank holidays</p>	
Litter Storage	<p>Temporary field heaps should be sited away from sensitive receptors</p>	
Litter/slurry Spreading	<p>No spreading at weekends or bank holidays</p> <p>No spreading in still, high humidity conditions</p>	

	No spreading close to neighbours Strict compliance with manure spreading plan Incorporate as soon as possible (litter only)	
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### **Odour Complaint Form**

Installation Name	Date Recorded	Reference Number
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Name and Address of caller:	
Tel. No. of caller	
Location of caller in relation to Installation	
Time and Date of complaint	
Date, Time and duration of Offending odour	
Callers description of odour	
Has the caller any other Comments about the odour?	
Weather conditions	
Wind strength and direction	
Any previous complaints Relating to this odour?	
Any other relevant information	
Potential odour sources that could give rise to the complaint	
Operating conditions at the time offending odour occurred	
Follow up Date and time caller contacted	
Action taken	
Amendment requirement to Odour Management Plan	
Form completed by	
	Signed



Mr Kinsey Hern  
Upper House  
Lyonshall  
Kington  
Herefordshire  
HR5 3JN

Our ref: EPR/FP3533ZX/A001

09<sup>th</sup> June 2014

Dear Mr Hern

## We need more information about your application

**Application reference: EPR/FP3533ZX/A001**

**Operator: Hern; Hern; Hern**

**Facility: Frogmore Poultry Unit**

Thank you for your application received on 06<sup>th</sup> May 2014.

I need to ask you for some more information before I can do any more work on it.

1. **Application Fee:** Our charging scheme was recently reviewed and applications received after the 22<sup>nd</sup> April are subject to the new charges. The application fee for a non-accredited farming installation is now **£3750**. You have paid the old fee of **£3650**. Please can you provide an additional **£100.00** to enable me to progress with the application.
2. **Advert Fee:** In Section 4 of the Environmental Permitting Charging Scheme & Guidance– What we charge for, page 36, it states the following: *Where we need to advertise your application in accordance with our public participation statement (see our website) in a newspaper, we will need to recover our costs of placing the advert and will levy an advertising charge of £500 for each advertisement.* As this site is a Site of High Public Interest (SHPI) we will have to advertise the application in a local newspaper. As such, please provide an additional **£500** to enable the appropriate level of advertisement to take place.
3. **Environmental Impact Assessment:** In part B3, Part 5a of the application it is stated that an environmental impact assessment has been carried out. Please provide a copy of this environmental statement.
4. **Ventilation:**
  - a) Please confirm that the high velocity roof fans due to be used on site have vents greater than **5.5 metres** high and the fan efflux velocity is greater than **7m/s**.
  - b) In addition please confirm that the gable end fans are located *only* at the

north of each of the poultry houses, as is implied by the site/drainage plan description and that these fans are used for temperature control during periods of hot weather and are for infrequent use.

- c) What management procedures are in place for the dust that may accumulate at the gable ends?
5. **Heat Exchangers:** Please confirm that the condensate from the heat exchangers will be collected in a specific tank or wash water tank and treated in the same manner as the wash water from the poultry housing at the end of the crop cycle, and that the overall operation of the exchangers will be in accordance with the Environment Agency's attached position statement titled 'Heat exchangers and condensate management September 2011'?
6. **Site Drainage:**
- a) Please confirm if the areas immediately adjacent to the four poultry houses are grassed or concreted. If this area is concreted, can you confirm the pathway (e.g. surface/underground drains, French drains, etc) to the swale.
  - b) With regards to the flow chamber at the swale, how does this work?
  - c) In addition can you please confirm the location of the outlet to the ditch from the swale to the north east of the installation (where the swale drains to) and where this ditch ultimately drains to (a named river or other surface water?).
  - d) The site/drainage plan provided does not detail yard drainage at the northern end of the poultry houses

With regard to answering the above questions a revised site drainage plan would be useful, including any grassed areas which act as soakaways, yard surface water drainage at the northern end of the poultry houses, and the location of the outlet to the ditch from the swale.

7. **Bunding:** Please confirm that the operator shall bund the agricultural fuel oil storage facilities to comply with the requirements of S3.2 of SGN How to Comply – Intensive Farming, Version 2.
8. **Foot baths:** Please confirm that the operator shall manage the foot baths and the disposal of spent disinfectants in order to comply with the requirements of S3.2 of SGN How to Comply – Intensive Farming, Version 2.
9. **Chemical storage:** Please confirm that the operator shall ensure that methods are implemented to prevent, or where that is not practicable minimise, the potential for diffuse pollution from the pesticides and veterinary medicines store so it is capable of retaining spillage, resistant to fire, frost free and secure and that this plan takes into account the appropriate measures in S3.2 of SGN How to Comply – Intensive Farming, Version 2.
10. **Feed storage:** Please confirm that the operator shall ensure that methods are implemented to prevent, or where that is not practicable minimise, the potential for diffuse pollution from the containment of foodstuffs and that foodstuff storage vessels are protected from collision damage.

11. **Odour management:**



- a) Please revise the Odour Management Plan (OMP) to ensure that all points raised in the Poultry Industry Good Practice Checklist, Version 2, August 2013 (See attached), and the OMP section (Appendix 9) of the example application form (see attached), are addressed. For example, the manufacture and selection of feed is not addressed in the OMP provided with the application, nor is there anything with regards to monitoring or contingencies within the designated Odour Management Plan. Please note that we may still require further revisions to the OMP once we have assessed the revised submission fully during determination of the application.
- b) Please provide evidence that there is negligible risk of odour pollution beyond the installation boundary for 250,000 broilers? For example, has some form of impact assessment been carried out for other farms of a similar size, operation and for similar distances to nearby receptors, or has odour modelling for this site (for 250,000 broilers) been carried out? If you do submit odour modelling, please also submit the electronic data input files.

If you need advice about how to complete the form, please contact your local area office. Call 03708 506 506 and ask to speak to your local area office or your site officer.

Please reply by 23<sup>rd</sup> June 2014. If we don't hear from you we must return your application and fee.

If you email or write to us please quote the application reference EPR/FP3533ZX/A001 on any correspondence and send it to the relevant address below.

When we receive the missing items we'll continue to check the details in your application. If there's enough there for us to begin the process of deciding whether or not we can grant your application we say the application is 'duly made' and we'll let you know this by letter.

Please quote our reference if you contact us. If you have any questions please phone me on [REDACTED] or email [REDACTED]

Yours sincerely

Permitting Support  
Permitting Support Centre