Headquarters,
Johnstown Castle Estate,
County Wexford, Ireland

GREENHOUSE GAS EMISSIONS PERMIT

Permit Register Number: IE-GHG148-10418-3

Operator: Wexford Proteins Limited
Ryland Lower
Bunclody
Wexford
Y21 E1T6

Installation Name: Wexford Proteins Ltd

Site Name: Wexford Proteins Limited

Location: Ryland Lower
Bunclody
Wexford
Y21 E1T6
Ireland

Introductory Note

This introductory note does not form a part of the Greenhouse Gas Emissions Permit.

This Greenhouse Gas Emissions Permit authorises the holder to undertake named activities resulting in emissions of Carbon Dioxide from the listed emission sources. It also contains requirements that must be met in respect of such emissions, including monitoring and reporting requirements. This Greenhouse Gas Emissions Permit places an obligation on the Operator to surrender allowances to the Agency equal to the annual reportable emissions of carbon dioxide equivalent from the installation in each calendar year, no later than four months after the end of each such year.

Contact with Agency:

If you contact the Agency about this Greenhouse Gas Emissions Permit please quote the following reference: Greenhouse Gas Emissions Permit Nº IE-GHG148-10418.

All correspondence in relation to this permit should be addressed to:

Email: help.ets@epa.ie

By Post: Climate Change Unit, Environmental Protection Agency
P.O. Box 3000, Johnstown Castle Estate,
Co. Wexford

Updating of the permit:

This Greenhouse Gas Emissions Permit may be updated by the Agency, subject to compliance with Condition 2. The current Greenhouse Gas Emissions Permit will normally be available on the Agency's website at www.epa.ie and ETSWAP.

Surrender of the permit:

Before this Greenhouse Gas Emissions Permit can be wholly or partially surrendered, a written application must be made to the on-line ETS portal, and written permission received from, the Agency through ETSWAP.

Transfer of the permit or part of the permit:

Before this Greenhouse Gas Emissions Permit can be wholly or partially transferred to another Operator a joint written application to transfer this Greenhouse Gas Emissions Permit must be made (by both the existing and proposed Operators) to, and written permission received from, the Agency through the on-line ETS portal ETSWAP.

Licence held pursuant to the Environmental Protection Agency Act 1992, as amended. (as of the date of this permit)**:**

IPC/IE Licence Register Number
P0047-03

Status Log

Current Permit

Permit number	Date application received	Date Permit issued	Comment
IE-GHG148-10418-3	02 September 2016	09 September 2016	Transfer of permit from Slaney Proteins to Wexford Proteins Limited. Update of installation name and site name.

Previous Permits

Permit number	Change Type	Date application received	Date Permit issued	Comment
IE-GHG148-10418-1	GHG Permit Application	20 September 2013	05 November 2013	
IE-GHG148-10418-2	GHG Variation	09 October 2014	20 April 2015	Inclusion of the additional source stream tallow (F5)

End of Introductory Note

Glossary of Terms

For the purposes of this permit the terms listed in the left hand column shall have the meaning given in the right hand column below:

The Agency	Environmental Protection Agency.
Agreement	Agreement in writing.
Allowance	Permission to emit to the atmosphere one tonne of carbon dioxide equivalent during a specified period issued for the purposes of Directive 2003/87/EC by the Agency or by a designated national competent authority of a Member State of the European Union.
Annual Reportable Emissions	Reportable Emissions of carbon dioxide made in any calendar year commencing from 1 January 2005 or the year of commencement of the activity, whichever is the later.
A & V Regulation	Commission Regulation (EU) No 600/2012 of 21 June 2012 on the verification of greenhouse gas emission reports and tonne-kilometre reports and the accreditation of verifiers pursuant to Directive 2003/87/EC of the European Parliament and of the Council and any amendments or revisions thereto.
Category A Installation	As defined in Article 19.2 (a) of the M&R Regulation.
Category B Installation	As defined in Article 19.2 (b) of the M&R Regulation.
Category C Installation	As defined in Article 19.2 (c) of the M&R Regulation.
The Directive	Directive 2003/87/EC of the European Parliament and of the Council of 13 October 2003 establishing a scheme for greenhouse gas emission allowance trading within the Community and amending Council Directive 96/61/EC.
Emissions	The release of greenhouse gases into the atmosphere from sources in an installation.
EPA	Environmental Protection Agency.
Fall-Back Methodology	As defined in Article 22 of the M&R Regulation.
GHG	Greenhouse gas.
GHG Permit	Greenhouse gas emissions permit.
Greenhouse Gas	Any of the gases in Schedule 2 of the Regulations.
IPC/IE	Integrated Pollution Control/Industrial Emissions.
Installation	Any stationary technical unit where one or more activities listed in Schedule 1 to the Regulations are carried out. Also any other directly associated activities which have a technical connection with the activities carried out on that site and which could have an effect on emissions and pollution. References to an installation include references to part of an installation.

Installation with low emissions	As defined in Article 47 of the M&R Regulation.
Major Source Streams	As defined in Article 19.3 (c) of the M&R Regulation.
M&R Regulation	Commission Regulation (EU) No 601/2012 of 21 June 2012 on the monitoring and reporting of greenhouse gas emissions pursuant to Directive 2003/87/EC of the European Parliament and of the Council and any amendments or revisions thereto.
Mis-statement	An omission, misrepresentation or error in the Operators reported data, not considering the uncertainty permissible pursuant to Article 12(1)(a) of Regulation (EU) no 601/2012.
N/A	Not applicable.
Monitoring Plan	The Plan submitted and approved in accordance with Condition 3.1 of this permit and attached at Appendix 1.
Non-conformity	Any act or omission by the Operator, either intentional or unintentional, that is contrary to the greenhouse gas emissions permit and the requirements of the Monitoring Plan.
The National Administrator	The person so designated in accordance with the requirements of any Regulations adopted as provided for under Article 19.3 of Directive 2003/87/EC.
The Operator (for the purposes of this permit)	Wexford Proteins Limited
"operator"	Any person who operates or controls an installation or to whom decisive economic power over the functioning of the installation has been delegated.
Person	Any natural or legal person.
Reportable emissions	The total releases to the atmosphere of carbon dioxide (expressed in tonnes of carbon dioxide equivalent) from the emission sources specified in Table 2 and arising from the Schedule 1 activities which are specified in Table 1.
The Regulations	European Communities (Greenhouse Gas Emissions Trading) Regulations 2012 (S.I. No 490 of 2012) and any amendments or revisions thereto.
The Verifier	A legal person or another legal entity carrying out verification activities pursuant to Regulation (EU) No 600/2012 and accredited by a national accreditation body pursuant to Regulation (EC) No 765/2008 and Regulation (EU) No 600/2012 or a natural person otherwise authorised, without prejudice to Article 5(2) of Regulation (EC) No 765/2008, at the time a verification report is issued.
The Registry	The Registry as provided for under Article 19 of Directive 2003/87/EC.

Schedule 1	Schedule 1 to the Regulations.

Reasons for the Decision

The Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of this permit, the Operator is capable of monitoring and reporting emissions in accordance with the requirements of the Regulations.

Activities Permitted

Pursuant to the Regulations the Agency transfers this Greenhouse Gas Emissions Permit, subject to any subsequent revisions, corrections or modifications it deems appropriate, to:

The Operator:

Wexford Proteins Limited
Ryland Lower
Bunclody
Wexford
Y21 E1T6

Company Registration Number: 588252

from

The Former Operator:

Slaney Proteins
Rylands Lower

Bunclody
Wexford

to carry out the following

Categories of activity:

Annex 1 Activity
Combustion of fuels in installations with a total rated thermal input exceeding 20 MW (except in installations for the incineration of hazardous or municipal waste)

at the following installation(s):

Wexford Proteins Ltd **Installation number:** 109

located at

Ryland Lower
Bunclody
Wexford
Y21 E1T6
Ireland

subject to the five conditions contained herein, with the reasons therefor and associated tables attached thereto.

In accordance with Joint Declaration made to the Agency on 02 September 2016, *Wexford Proteins Limited* is deemed to have assumed and accepted all liabilities, requirements and obligations provided for in or arising under the permit, regardless of how and in respect of what period, including the period 2005-2016, prior to the transfer of the permit, that may arise.

Conditions

Condition 1. The Permitted Installation

1.1 This permit is being granted in substitution for the previous GHG permit granted to the Operator as listed in the Status Log of this GHG permit.

1.2 The Operator is authorised to undertake the activities and/or the directly associated activities specified in Table 1 below resulting in the emission of carbon dioxide:

Table 1 - Activities which are listed in Schedule 1 of the Regulations and other directly associated activities carried out on the site:

Installation No.: 109

Activity Description
Combustion of fuels in installations with a total rated thermal input exceeding 20 MW (except in installations for the incineration of hazardous or municipal waste)

Directly Associated Activity Description
(S1) Biofiltration (odour abatement)

1.3 Carbon dioxide from Schedule 1 activities shall be emitted to atmosphere only from the emission sources as listed in Table 2 below:

Table 2 Emission Sources and Capacities:

Emission Source Reference	Emission Source Description	Capacity	Capacity Units
SP-1	Boiler 1	7.71	MW
SP-2	Boiler 2	6.85	MW
SP-3	Boiler 3	6.97	MW

1.4 The activity shall be controlled, operated and maintained so that emissions of carbon dioxide shall take place only as set out in this GHG Emissions Permit. The permit does not control emissions of gases other than carbon dioxide. All agreed plans, programmes and methodologies required to be carried out under the terms of this permit, become part of this permit.

1.5 This GHG Permit is for the purposes of GHG emissions permitting under the European Communities (Greenhouse Gas Emissions Trading) Regulations 2012 and any amendments to the same only and nothing in this permit shall be construed as negating the Operator's statutory obligations or requirements under any other enactments or regulations unless specifically amended by the Regulations.

1.6 Any reference in this permit to 'installation' shall mean the installation as described in the Greenhouse Gas Emissions Permit application and any amendments approved by the Agency.

Reason: To describe the installation and clarify the scope of this permit.

Condition 2. Notification

2.1 No alteration to, or reconstruction in respect of, the activity or any part thereof which would, or is likely to, result in a change in:

2.1.1 the nature or functioning of the installation;

2.1.2 the capacity of the installation as detailed in this permit;

2.1.3 the fuels used at the installation;

2.1.4 the range of activities to be carried out at the installation

that may require updating of the GHG permit shall be carried out or commenced without prior notice to and without the prior written agreement of the Agency.

2.2 The Operator shall notify the Agency in writing of the cessation of all or part of any activity listed in Table 1 of this permit no later than one month from the date of cessation or by 31 December of the year of cessation, whichever is sooner.

2.3 The Operator shall apply for an update of this GHG Permit where there is a change to the Operator name and/or registered address of the Operator, within seven days of the change.

2.4 For installations or parts of installations which have not come into operation when the application for this permit was made the Operator shall notify the Agency of the date of commencement of the activity within seven days of commencement.

2.5 The Operator shall notify the Agency in writing within three days of becoming aware of any factors which may prevent compliance with the conditions of this permit.

2.6 The Operator shall submit to the Agency by 21 January of each year a declaration of operability. The declaration submitted shall be in the format required by the Agency.

2.7 All notifications required under Condition 2 above shall be made to the address given in the Explanatory Note included with this permit.

2.8 The Operator shall submit to the Agency by 31 December of each year all relevant information about any planned or effective changes to the capacity, activity level and operation of an installation. The information submitted shall be in the format required by the Agency.

Reason: To provide for the notification of updated information on the activity.

Condition 3. Monitoring and Reporting

3.1 The Operator shall monitor and record greenhouse gas emissions on site in accordance with the M&R Regulation and the approved Monitoring Plan attached at Appendix 1 to this GHG permit and in compliance with any other guidance approved by the Agency for the purposes of implementing the Directive and/or the Regulations.

3.2 The Operator shall modify the monitoring plan in any of the following situations:

3.2.1 new emissions occur due to new activities carried out or due to the use of new fuels or materials not yet contained in the monitoring plan;

3.2.2 the change of availability of data, due to the use of new measurement instrument types, sampling methods or analysis methods, or for other reasons, leads to higher accuracy in the determination of emissions;

3.2.3 data resulting from the previously applied monitoring methodology has been found incorrect;

3.2.4 changing the monitoring plan improves the accuracy of the reported data, unless this is technically not feasible or incurs unreasonable costs;

3.2.5 the monitoring plan is not in conformity with the requirements of the M&R Regulation and the Agency requests a change;

3.2.6 it is necessary to respond to the suggestions for improvement of the monitoring plan contained in the verification report.

The Operator shall notify any proposals for modification of the monitoring plan to the Agency without undue delay. Any significant modifications of the monitoring plan, as defined in Article 15 of the M&R Regulation, shall be subject to approval by the Agency. Where approved these changes shall be implemented within a timeframe agreed by the Agency.

3.3 Temporary changes to the monitoring methodology:

3.3.1 Where it is for technical reasons temporarily not feasible to apply the tier in the monitoring plan for the activity data or each calculation factor of a fuel or material stream as approved by the Agency, the Operator shall apply the highest achievable tier until the conditions for application of the tier approved in the monitoring plan have been restored. The Operator shall take all necessary measures to allow the prompt restoration of the tier in the approved monitoring plan. The Operator shall notify the temporary change to the monitoring methodology without undue delay to the Agency specifying:

(i) The reasons for the deviation from the tier;

(ii) in detail, the interim monitoring methodology applied by the Operator to determine the emissions until the conditions for the application of the tier in the monitoring plan have been restored;

(iii) the measures the Operator is taking to restore the conditions for the application of the tier in the approved monitoring plan;

(iv) the anticipated point in time when application of the approved tier will be resumed.

3.3.2 A record of all non-compliances with the approved monitoring plan shall be maintained on-site and shall be available on-site for inspection by authorised persons of the Agency and/or by the Verifier at all reasonable times.

3.4 The Operator shall appoint a Verifier to ensure that, before their submission, the reports required by Condition 3.5 below are verified in accordance with the criteria set out in Schedule 5 of the Regulations, the A&V Regulation and any more detailed requirements of the Agency.

3.5 The written report of the verified annual reportable emissions and the verification report in respect of each calendar year shall be submitted to the Agency by the Operator no later than 31 March of the following year. The reports shall be in the format required by the Agency and meet the criteria set out in the M&R and A&V Regulations.

3.6 The Operator shall enter the verified annual reportable emissions figure for the preceding year into the Registry no later than 31 March of the following year. This figure shall be electronically approved by the Verifier in the registry no later than 31 March of each year.

3.7 Where an Operator is applying the Fall-Back methodology, the Operator shall assess and quantify each year the uncertainties of all parameters used for the determination of the annual emissions in accordance with the ISO Guide to the Expression of Uncertainty in Measurement or another equivalent internationally accepted standard and include the verified results in the written report of the verified annual reportable emissions to be submitted to the Agency by 31 March each year.

3.8 An Operator shall submit to the Agency for approval a report containing the information detailed in (i) or (ii) below, where appropriate, by the following deadlines:

(a) for a category A installation, by 30 June every four years;

(b) for a category B installation, by 30 June every two years;

(c) for a category C installation, by 30 June every year.

(i) Where the Operator does not apply at least the tiers required pursuant to the first subparagraph of Article 26(1) and to Article 41(1) of the M&R Regulation, the Operator shall provide a justification as to why it is technically not feasible or would incur unreasonable costs to apply the required tiers. Where evidence is found that measures needed for reaching those tiers have become technically feasible and do not incur unreasonable costs, the Operator shall notify the Agency of appropriate modifications to the monitoring plan and submit proposals for implementing appropriate measures and its timing.

(ii) Where the Operator applies a fall-back monitoring methodology, the Operator shall provide a justification as to why it is technically not feasible or would incur unreasonable costs to apply at least tier 1 for one or more major or minor source streams. Where evidence is found that measures needed for reaching at least tier 1 for those source streams have become technically feasible and do not incur unreasonable costs, the Operator shall notify the Agency of appropriate modifications to the monitoring plan, submit proposals and a timeframe for implementing appropriate measures.

3.9 Where the verification report states outstanding non conformities, misstatements or recommendations for improvements the Operator shall submit a report to the Agency for approval by 30 June of the year in which the verification report is issued. This requirement does not apply to the Operator of an installation with low emissions where the verification report contains recommendations for improvements only. The report shall describe how and when the Operator has rectified or plans to rectify the non-conformities identified and to implement recommended improvements. Where recommended improvements would not lead to an improvement of the monitoring methodology this must be justified by the Operator. Where the recommended improvements would incur unreasonable costs the Operator shall provide evidence of the unreasonable nature of the costs. The Operator shall implement the improvements specified by the Agency in response to the report submitted in accordance with this Condition in accordance with a timeframe set by the Agency.

3.10 The Operator shall make available to the Verifier and to the Agency any information and data relating to emissions of carbon dioxide which are required in order to verify the reports referred to in Condition 3.5 above or as required by the Agency to facilitate it in establishing benchmarks and/or best practice guidance.

3.11 Provision shall also be made for the transfer of environmental information, in relation to this permit, to the Agency's computer system, as may be requested by the Agency.

3.12 The Operator shall retain all information as specified in the M&R Regulation for a period of at least 10 years after the submission of the relevant annual report. This shall include all annual emissions reports submitted by the Former Operator(s) in respect of the installation.

3.13 A record of independent confirmation of capacities listed in this permit shall be available on-site for inspection by authorised persons of the Agency at all reasonable times.

3.14 The Operator shall keep records of all modifications of the monitoring plan. The records shall include the information specified in Article 16.3 of the M&R Regulation.

3.15 The Operator shall ensure that members of the public can view a copy of this permit and any reports submitted to the Agency in accordance with this permit at all reasonable times. This

requirement shall be integrated with the requirements of any public information programme approved by the Agency in relation to any other permit or licence held by the Operator for the site.

3.16 Any discrepancies with regard to reports submitted by the Former Operator(s) in respect of this installation become the liability of the Operator.

Reason: To provide for monitoring and reporting in accordance with the Regulations.

Condition 4. Allowances

4.1 Surrender of Allowances

4.1.1 The Operator shall, by 30 April in each year, surrender to the Agency, or other appropriate body specified by the Agency, allowances equal to the annual reportable emissions in the preceding calendar year.

4.1.2 The number of allowances to be surrendered shall be the annual reportable emissions for the preceding calendar year plus such allowances as may be necessary to cover any earlier calendar year in respect of which allowances remain outstanding and due, including any liabilities arising from the period before the permit was transferred. This includes allowances to cover the amount of any annual reportable emissions in respect of which allowances were not surrendered in accordance with Condition 4.1.1 in the previous year, and the amount of any reportable emissions which were discovered during the previous year to have been unreported in reports submitted under Condition 3 in that or in earlier years.

4.1.3 In relation to activities or parts of activities which have ceased to take place and have been notified to the Agency in accordance with Condition 2.2 above, the Operator shall surrender to the Agency allowances equal to the annual reportable emissions from such activities in the preceding calendar year or part thereof, together with such allowances as may be necessary to cover any earlier calendar year in respect of which allowances remain outstanding and due as described in Condition 4.1.2 above.

4.1.4 The Operator may, from 2008 onwards, subject to the provisions of the Regulations and the relevant National Allocation Plan for that compliance year, surrender emission reduction units (ERUs) and certified emission reduction units (CERs) in place of allowances.

4.2 The holding, transfer, surrender and cancellation of allowances shall be in accordance with the requirements of any Regulations adopted as provided for under Article 19.3 of Directive 2003/87/EC, any amendment or revision to the same and any guidance issued by the Agency or the National Administrator.

4.3 The Operator shall provide the National Administrator with all the necessary information for the opening of an Operator holding account for the installation described in Condition 1 of this permit within twenty working days of the issue of this permit, unless such an account is already open.

Reason: To provide for the surrendering, holding, transfer and cancellation of allowances in respect of reported emissions.

Condition 5. Penalties

5.1 Any Operator who fails to comply with Condition 4.1 above shall be subject to the provisions of the Regulations, including, but not limited to the payment of penalties.

Reason: To provide for the payment of excess emissions penalties as required under the Regulations.

Sealed by the seal of the Agency on this the 09 September 2016:

PRESENT when the seal of the Agency was affixed hereto:

_____

Ms. Annette Prendergast
Inspector/ Authorised Person

Appendix 1 to Greenhouse Gas Emissions Permit Number IE-GHG148-10418

Monitoring Plan

1. Guidelines & Conditions

1. Directive 2003/87/EC as amended by Directive 2009/29/EC (hereinafter "the (revised) EU ETS Directive") requires operators of installations which are included in the European Greenhouse Gas Emission Trading Scheme (the EU ETS) to hold a valid GHG emission permit issued by the relevant Competent Authority and to monitor and report their emissions and have the reports verified by an independent and accredited verifier.

The Directive can be downloaded from:

http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CONSLEG:2003L0087:20090625:EN:PDF

2. The Monitoring and Reporting Regulation (Commission Regulation (EU) No 601/2012) (hereinafter the "MRR") defines further requirements for monitoring and reporting.

The MRR can be downloaded from:

http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2012:181:0030:0104:EN:PDF

Article 12 of the MRR sets out specific requirements for the content and submission of the monitoring plan and its updates. Article 12 outlines the importance of the Monitoring plan as follows:

The monitoring plan shall consist of a detailed complete and transparent documentation of the monitoring methodology of a specific installation [or aircraft operator] and shall contain at least the elements laid down in Annex I.

Furthermore Article 74(1) states:

Member States may require the operator and aircraft operator to use electronic templates or specific file formats for submission of monitoring plans and changes to the monitoring plan as well as for submission of annual emissions reports tonne-kilometre data reports verification reports and improvement reports. Those templates or file format specifications established by the Member States shall at least contain the information contained in electronic templates or file format specifications published by the Commission

3. All Commission guidance documents on the Monitoring and Reporting Regulation will be published at the link below as they become available:

http://ec.europa.eu/clima/policies/ets/monitoring/index_en.htm

(a) Information sources:

EU Websites:

EU-Legislation: http://eur-lex.europa.eu/en/index.htm
EU ETS general: http://ec.europa.eu/clima/policies/ets/index_en.htm

Monitoring and Reporting in the EU ETS: http://ec.europa.eu/clima/policies/ets/monitoring/index_en.htm

Environmental Protection Agency Website:

http://www.epa.ie

Environmental Protection Agency Contact:

GHGpermit@epa.ie

2. Application Details

The Installation Name, Site Name and the address of the site of the installation are detailed below. The Site Name and address can be updated from the Organisation Details Page on the ETSWAP website. The Installation Name can only be updated by your Competent Authority.

Installation name	Wexford Proteins Ltd
Site name	Wexford Proteins Limited
Address	Ryland Lower Bunclody Wexford Y21 E1T6 Ireland
Grid reference of site main entrance	E 293109, N 154787
Licence held pursuant to the Environmental Protection Agency Act 1992, as amended.	Yes

IPC/IE Licence Register Number	Licence holder	Competent body
P0047-03	Slaney Foods International and Slaney Proteins	Environmental Protection Agency

Has the regulated activity commenced at the Installation?	Yes
Date of Regulated Activity commencement	01 January 2008

This information is only required to identify the first relevant reporting year of an installation. If the installation was in operation from the beginning of 2008 and held a Greenhouse Gas Emissions Permit from this point, 1 January 2008 will be used where the actual date of commencement is not readily known.

3. About the Operator

The information about the "Operator" is listed below. The "Operator" is defined as the person who it is proposed will have control over the relevant Regulated Activities in the installation in respect of which this application is being made.

(b) Operator Details

The name of the operator and where applicable the company registration number are detailed below. These details can only be updated by the Environmental Protection Agency.

Operator name	Wexford Proteins Limited
Company Registration Number	588252

Operator Legal status

The legal status of the operator is:	Company / Corporate Body

(c) Company / Corporate Body

Is the trading / business name different to the operator name?	No

Details of the individual authorised to submit this application on behalf of the company / corporate body.

Title	[redacted]
Forename	
Surname	
Position	Project Engineer

Registered office address

Address Line 1	Ryland Lower
Address Line 2	N/A
City/Town	Bunclody
County	Wexford
Postcode	Y21 E1T6

Principal office address

Is the principal office address different to the registered office address?	No

Holding company

Does the company belong to a holding company?	Yes
Holding company name	Lanber Holdings

Holding company address

Address Line 1	Ryland Lower
Address Line 2	N/A
City/Town	Bunclody
County	Wexford
Postcode	Y21 E1T6
Company registration number	81314
Is the holding company principal address different to the	No

holding company address?

(d) Operator Authority

Does the operator named above have the authority and ability to:

a.	manage site operations through having day-to-day control of plant operation including the manner and rate of operation	Yes
b.	ensure that permit conditions are effectively complied with	Yes
c.	control monitor and report specified emissions	Yes
d.	be responsible for trading in Allowances so that at the end of a reporting period allowances can be balanced against reported emissions.	Yes

4. Service Contact

e. Service Contact

Name [redacted]

Address / Email Address [redacted]

5. Installation Activities

f. Installation Description

Below is a description of the installation and its activities, a brief outline description of the site and the installation and the location of the installation on the site. The description also includes a non-technical summary of the activities carried out at the installation briefly describing each activity performed and the technical units used within each activity.

Wexford Proteins Limited is a Category 3 rendering plant, processing animal by-products from the slaughtering industry to produce meat & bonemeal, and tallow. It shares a site with Slaney Foods International, a beef abattoir and cutting plant, at Ryland Lower, Bunclody, Co. Wexford, Ireland.

Wexford Proteins Limited uses three steam generating boilers, with an aggregate combustion capacity exceeding 20MW thermal input, to cook and sterilise the raw material in strict accordance with the Animal By-Products Regulations. The raw material is fed into continuous cookers where it is cooked using indirect high pressure steam. The cook process yields a solid greave and tallow oil.

The solid greave is pressed in high pressure presses to remove oil. The resulting meat & meal is batch sterilised in a pressure vessel, milled and loaded directly into trailers for dispatch. The tallow oil is collected from the cookers and presses and filtered to remove any solid particles present. The tallow oil is also sterilised in a batch process and stored.

The fuels used at Wexford Proteins Limited are mineral fuel oil, tallow oil and propane gas for ignition. The fuels producing carbon dioxide are the fuel oil, tallow and to a very minor extent, propane gas due to the small quantity used for ignition of boilers only. Tallow oil when used as a fuel is regarded as carbon neutral. (IE - Bio-liquid with zero carbon rating)

g. Annex 1 Activities

The table below lists the technical details for each Annex 1 activity carried out at the installation.

Note that 'capacity' in this context means:

- Rated thermal input (for combustion installations) which is defined as the rate at which fuel can be burned at the maximum continuous rating of the installation multiplied by the calorific value of the fuel and expressed as megawatts thermal.
- Production capacity for those specified Annex I activities for which production capacity determines ETS eligibility.

Annex 1 Activity	Total Capacity	Capacity units	Specified Emissions
Combustion of fuels in installations with a total rated thermal input exceeding 20 MW (except in installations for the incineration of hazardous or municipal waste)	21.53	MW	Carbon Dioxide

h. Site Diagram

The table below lists attachments (if available) that provide a simple diagram showing emissions sources source streams sampling points and metering/measurement equipment.

Attachment	Description
Site Diagram Slaney Proteins.pdf	Site Diagram of Slaney Proteins
Site Diagram 2014.pdf	Site Diagram with tallow included

i. Estimated Annual Emissions

Detail of the estimated annual emission of CO_2 equivalent. This information enables categorisation of the installation in accordance with Article 19 of the MRR and is based on the average verified annual emissions of the previous trading period data OR if this data is not available or is inappropriate a conservative estimate of annual average emissions including transferred CO_2 excluding CO_2 from biomass.

Estimated Annual Emissions (tonnes $CO_{2(e)}$)	2000
Justification for the use of a conservative estimate of CO_2 emissions.	During the first four years of Phase II the predominant fuel used in the boilers was 100% bioliquid, namely tallow, with 0 carbon rating. In 2012, fuel oil use has been increased and with a consequential decrease in tallow oil use. In Phase III tallow oil usage will cease altogether and be totally replaced by fuel oil. Therefore a conservative estimate of CO2 emissions was used for Phase III, as the verified emissions of Phase II were considered inappropriate. The estimate was based on using an annual quantity of fuel oil which would produce approximately 2000 tonnes of CO2.

Installation Category: A

6. Emissions Details

j. About your emissions

Annex I of the Monitoring and Reporting Regulations (MRR) requires that monitoring plans include a description of "the installation" and activities to be carried out and monitored including a list of emission sources and source streams. The information provided in this template relates to the Annex I activity(ies) comprised in the installation in question and should relate to a single installation. It includes any activities carried out by the operator and does not include related activities carried out by other operators.

k. Emission Sources

The table below lists all the emission sources at the installation, which may include directly associated activities/excluded activities.

Emission Source Reference	Emission Source Description

Emission Source Reference	Emission Source Description
SP-1	Boiler 1
SP-2	Boiler 2
SP-3	Boiler 3
S1	Biofiltration (odour abatement)

The table below lists the emission sources which are linked to the Regulated Activities at the installation.

Emission Source Reference	Emission Source Description
SP-1	Boiler 1
SP-2	Boiler 2
SP-3	Boiler 3

l. Emission Points

The table below lists all the emission points at the installation, which may include directly associated activities/excluded activities.

Emission Point Reference	Emission Point Description
EP1	Stack 1 (Boiler 1)
EP2	Stack 2 (Boiler 2)
EP3	Stack 3 (Boiler 3)
EP4	Biofiltration (odour abatement)

m. Source Streams (fuels and/or materials)

The table below lists the source streams which are used in Schedule 1 Activities at the installation.

Source Stream Reference	Source Stream Type	Source Stream Description
F1 (Processed fuel oil)	Combustion: Other gaseous & liquid fuels	Processed Fuel Oil
F2 (Fuel Oil)	Combustion: Other gaseous & liquid fuels	Fuel Oil
F3 (LPG)	Combustion: Commercial standard fuels	Liquefied Petroleum Gases
F4	Other	Biofiltration
F 5 (Tallow)	Combustion: Other gaseous & liquid fuels	Tallow

n. Emissions Summary

The table below provides a summary of the emission source and source stream details in the installation.

Source streams (Fuel / Material)	Emission Source Refs.	Emission Point Refs.	Annex 1 Activity
F1 (Processed fuel oil)	SP-1,SP-2,SP-3	EP1,EP2,EP3	Combustion of fuels in installations with a total rated thermal input exceeding 20 MW (except in installations for the incineration of hazardous or municipal waste)
F2 (Fuel Oil)	SP-1,SP-2,SP-3	EP1,EP2,EP3	Combustion of fuels in installations with a total rated thermal input exceeding 20 MW (except in installations for the incineration of hazardous or municipal waste)
F3 (LPG)	SP-1,SP-2,SP-3	EP1,EP2,EP3	Combustion of fuels in installations with a total rated thermal input exceeding 20 MW (except in installations for the incineration of hazardous or municipal waste)
F 5 (Tallow)	SP-1,SP-2,SP-3	EP1,EP2,EP3	Combustion of fuels in installations with a total rated thermal input exceeding 20 MW (except in installations for the incineration of hazardous or municipal waste)

o. Excluded Activities

Certain activities that result in greenhouse gas emissions may be excluded under the EU ETS Directive for example truly mobile sources such as vehicle emissions.

Do you have any excluded activities which need to be identified in your monitoring plan? Yes

Detail of these activities:

Source Stream Refs	Emission Source Ref	Emission Point Ref
F4	S1	EP4

7. Low Emissions Eligibility

p. Low Emissions Eligibility

The operator may submit a simplified monitoring plan for an installation where no nitrous oxide activities are carried out and it can be demonstrated that:

(a) the average verified annual emissions of the installation during the previous trading period was less than 25 000 tonnes $CO_{2(e)}$ per year or;

(b) where this data is not available or inappropriate a conservative estimate shows that emissions for the next 5 years will be less than 25 000 tonnes $CO_{2(e)}$ per year.

Note: the above data shall include transferred CO_2 but exclude CO_2 stemming from biomass.

Does the installation satisfy the criteria for installations with low emissions (as defined by Article 47 of the MRR)?	Yes

If the installation is an installation with low emissions as defined above there are a number of special provisions which may be applied to provide a simplified monitoring plan. These provisions are set out in Article 47 of the MRR.

8. Monitoring Approaches

q. Monitoring Approaches

Emissions may be determined using either a calculation based methodology ("calculation") or measurement based methodology ("measurement") except where the use of a specific methodology is mandatory according to the provisions of the MRR. [MRR Article 21].

Note: the operator may subject to competent authority approval combine measurement and calculation for different sources. The operator is required to ensure and demonstrate that neither gaps nor double counting of reportable emissions occurs.

Please specify whether or not you propose to apply the following monitoring approaches. Select all monitoring approaches that are applicable to you. The consecutive sections will become mandatory based on the selected approaches.

Calculation	Yes
Measurement	No
Fall-back approach	No
Monitoring of N_2O	No
Monitoring of PFC	No
Monitoring of transferred / inherent CO_2	No

9. Calculation

r. Approach Description

The calculation approach including formulae used to determine annual CO_2 emissions:

The calculation approach used at the installation is done according to the following sequence:

a) for all fossil fuels, appropriate default values for calculation factors are used. The activity data is summed up, then the calculation formula applied acccording to Article 24 (1). Usage data for fuel oil is determined using weigh bridge dockets for fuel deliveries and stock level changes between start and end of year fuel stock.

b) usage data for LPG is based on the number of gas cylinder units purchased during the year. It is a de-minimus fuel as it qualifies as less than 1000 tonnes of fossil fuel each year.

c) usage data for tallow generated on site is based on the sum of all weights of tallow transferred to the burn tank. NCV and the carbon content for tallow is based on laboratory analysis of the tallow oil . The energy content and emissions for the tallow burned is calculated from this information.

d) usage data for tallow imported to the site is determined using weighbridge dockets for tallow deliveries and stock level changes between the start and end of year. NCV and the carbon content for imported tallow is based on laboratory analysis of the tallow oil carried out in the past. The energy content and emissions for the imported tallow is based on this information.

e) the emissions for all source streams are added to give the annual emissions of CO2 for the installation.

All details on source streams (determination of activity data, detemination of calculation factors) are outlined in other sections of this monitoring plan.

s. Measurement Devices

Below is a description of the specification and location of the measurement systems used for each source stream where emissions are determined by calculation

Also a description of all measurement devices including sub-meters and meters used to deduct non-Annex I activities to be used for each source and source stream.

Source Stream Refs.	Emission Source Refs.	Measurement Device Ref.	Type of Measurement Device	Measurement Range	Metering Range Units	Specified Uncertainty (+/- %)	Location
F 5 (Tallow),F1 (Processed fuel oil),F2 (Fuel Oil)	SP-1,SP-2,SP-3	MD1	Weighbridge	0-50000	kg	0.12	Weighbridge
F1 (Processed fuel oil),F2 (Fuel Oil)	SP-1,SP-2,SP-3	MD2	Pressure Guage	0-47000	litres	5	Fuel Oil Tank
F3 (LPG)	SP-1,SP-2,SP-3	MD3	Gas cylinder	34	Kg	N/A	LPG gas cylinder storage area
F3 (LPG)	SP-1,SP-2,SP-3	MD4	Gas cylinder	47	kg	N/A	LPG Gas cylinder storage area
F 5 (Tallow)	SP-1,SP-2,SP-3	MD5	Pressure guage transmitter	0-22020 kg	kg	7.5	Burn Tank
F 5 (Tallow)	SP-1,SP-2,SP-3	MD 6	Level gauge	0-52537kg	Kg	7.5	Imported tallow tank

Source Stream Refs.	Measurement Device Ref.	Determination Method	Instrument Under Control Of	Conditions Of Article 29(1) Satisfied	Invoices Used To Determine Amount Of Fuel Or Material	Trade Partner And Operator Independent
F 5 (Tallow),F1 (Processed fuel oil),F2 (Fuel Oil)	MD1	Batch	Operator	N/A	N/A	N/A
F1 (Processed fuel	MD2	Batch	Operator	N/A	N/A	N/A

Source Stream Refs.	Measurement Device Ref.	Determination Method	Instrument Under Control Of	Conditions Of Article 29(1) Satisfied	Invoices Used To Determine Amount Of Fuel Or Material	Trade Partner And Operator Independent
oil),F2 (Fuel Oil)						
F3 (LPG)	MD3	Batch	Trade partner	Yes	Yes	Yes
F3 (LPG)	MD4	Batch	Trade partner	Yes	Yes	Yes
F 5 (Tallow)	MD5	Batch	Operator	N/A	N/A	N/A
F 5 (Tallow)	MD 6	Batch	Operator	N/A	N/A	N/A

t. Applied Tiers

The table below identifies the tiers applied against the relevant input data for each source stream and confirms whether a standard (MRR Article 24) or mass balance (MRR Article 25) approach is applied.

(i) The highest tiers as defined in Annex II of the MRR should be used by Category B and C installations to determine the activity data and each calculation factor (except the oxidation factor and conversion factor) for each major source stream. Category A installations should apply as a minimum the tiers listed in Annex V.

(ii) Operators may apply a tier one level lower than those referred to in sub paragraph (i) above for Category C installations and up to two levels lower for Category A and B installations with a minimum of tier 1 if the operator can demonstrate to the satisfaction of the competent authority that this is not technically feasible or would lead to unreasonable cost to apply the higher tier. The justification for not applying the higher tier should be recorded when completing the tier table.

(iii) The competent authority may allow an operator to apply even lower tiers than those referred to in the sub paragraph (ii) with a minimum of tier 1 for a transition period of up to three years if the operator can demonstrate to the satisfaction of the competent authority that this is not technically feasible or would lead to unreasonable cost to apply the higher tier and provides an improvement plan detailing how and by when at least the tier referred to in sub paragraph (ii) will be achieved. The improvement plan should be referenced in subsequent table and provided to the competent authority at the time of submission of this plan.

(iv) For minor source streams operators shall apply the highest tier which is technically feasible and will not lead to unreasonable costs with a minimum of tier 1 for activity data and each calculation factor. For de-minimis source streams operators may use conservative estimations rather than tiers unless a defined tier can be achieved without additional effort (MRR Article 26(2)).

(v) Installations with low emissions as identified in section 6(d) may apply as a minimum tier 1 for determining activity data and calculation factors for all source streams unless higher accuracy is achievable without additional effort.

* Note 1: For commercial standard fuels the minimum tiers listed in Annex V of the MRR may be applied for all activities in all installations.

* Note 2: If you are intending to apply a fall-back approach please complete the table below and select "n/a" for the tiers to be applied for each source stream where a fall-back approach is used. Section 10 "Fall-back" must also be completed for these source streams.

* Note 3: For biomass or mixed fuels the emission factor is the preliminary emission factor as defined in Definition 35 Article 3 of the MRR.

Source Stream Refs.	**Emission Source Refs.**	**Measurement Device Refs.**	**Overall Metering Uncertainty (less than +/- %)**	**Applied Monitoring Approach**	**Activity Data Tier Applied**	**Net Calorific Value Tier Applied**	**Emission Factor Tier Applied**	**Carbon Content Tier Applied**	**Oxidation Factor Tier Applied**	**Conversion Factor Tier Applied**	**Biomass Fraction Tier Applied**	**Estimated Emissions $tCO_{2(e)}$**	**% of Total Estimated Emissions**	**Source Category**	**Highest Tiers Applied**	**Justification for not applying the highest tiers**	**Improvement Plan Reference (where applicable)**
F1 (Processed fuel oil)	SP-1,SP-2,SP-3	MD1, MD2	<7.5%	Standard	1	1	1	N/A	1	N/A	N/A	1800	90	Minor	Yes	n/a	n/a
F2 (Fuel Oil)	SP-1,SP-2,SP-3	MD1, MD2	<7.5%	Standard	1	2a	2a	N/A	1	N/A	N/A	0	0	Minor	Yes	n/a	n/a
F3 (LPG)	SP-1,SP-2,SP-3	MD3, MD4	N/A	Standard	No tier	2a	2a	N/A	1	N/A	N/A	0.5	0.02	De-minimis	Yes	n/a	n/a
F 5 (Tallow)	SP-1,SP-2,SP-3	MD1, MD5, MD 6	<7.5%	Standard	1	1	1	N/A	1	N/A	1	199.5	9.98	Minor	Yes	n/a	n/a

Total Estimated Emissions for Calculation (tonnes $CO_{2(e)}$) 2000

u. Applied tiers

Applied tiers for each source stream

Source Stream Ref.	Emission Source Refs.	Activity Data Tier Applied	Net Calorific Value Tier Applied	Emission Factor Tier Applied	Carbon Content Tier Applied	Oxidation Factor Tier Applied	Conversion Factor Tier Applied	Biomass Fraction Tier Applied
F1 (Processed fuel oil)	SP-1,SP-2,SP-3	1	1	1	N/A	1	N/A	N/A
F2 (Fuel Oil)	SP-1,SP-2,SP-3	1	2a	2a	N/A	1	N/A	N/A
F3 (LPG)	SP-1,SP-2,SP-3	No tier	2a	2a	N/A	1	N/A	N/A
F 5 (Tallow)	SP-1,SP-2,SP-3	1	1	1	N/A	1	N/A	1

v. Justification for Applied tiers

Justifications for the applied tiers for each major source stream where highest tiers are not currently achieved.

Source Stream Ref.	**Emission Source Refs.**	**Justification for the applied tier**	**Improvement Plan Reference (where applicable)**
N/A	N/A	N/A	N/A

10. Calculation Factors

w. Default Values

The table below lists, for each parameter, where default values are to be used for calculation factors.

Source Stream Refs.	Emission Source Refs.	Parameter	Reference Source	Default Value applied (where appropriate)
F1 (Processed fuel oil)	SP-1,SP-2,SP-3	NCV	Supplier 'Technical Document'	41.92 MJ/kg
F1 (Processed fuel oil)	SP-1,SP-2,SP-3	EF	Supplier 'Technical Document'	75 t CO2 /TJ
F2 (Fuel Oil),F3 (LPG)	SP-1,SP-2,SP-3	NCV, EF, Oxidation Factor	Country Specific Net Calorific Values and CO2 Emission Factors for use in the Annual Installation Emissions Report	n/a
F 5 (Tallow),F1 (Processed fuel oil)	SP-1,SP-2,SP-3	OxF	MRR Annex II, Section 2.3	1
F 5 (Tallow)	SP-1,SP-2,SP-3	NCV	Past laboratory analysis (Article 31 (e))	n/a
F 5 (Tallow)	SP-1,SP-2,SP-3	EF	Past Laboratory Analysis (Article 31 (e))	n/a

Sampling and Analysis

Do you undertake sampling and analysis of any of the parameters used in the calculation of your CO_2 emissions? Yes

x. Analysis

The table below lists, for each source stream, where calculation factors are to be determined by analysis.

Source Stream Refs.	**Emission Source Refs.**	**Parameter**	**Method of Analysis**	**Frequency**	**Laboratory Name**	**Laboratory ISO17025 Accredited**	**Evidence Reference**
F 5	SP-1,SP-2,SP-3	Carbon Content	Butterworth In-house method BLM0G	Annual	Butterworth Laboratories	Yes	n/a
F 5	SP-1,SP-2,SP-3	NCV	Butterworth In-house method BLM84	Annual	Butterworth Laboratories	Yes	n/a

Detail about the written procedures for the above analysis.

Where a number of procedures are used details of an overarching procedure which covers the quality assurance of analyses methods and links together individual analytical methods is listed.

Title of procedure	Procedure for determining the NCV and Carbon Content of tallow
Reference for procedure	Section 6.5.17
Diagram reference	N/A
Brief description of procedure. The description should cover the essential parameters and operations performed	The procedure describes how the NCV and the carbon content of tallow determined using an external ISO 17025 accredited laboratory
Post or department responsible for the procedure and for any data generated	Environmental Manager
Location where records are kept	Environmental Manager's Office
Name of IT system used	N/A
List of EN or other standards applied	N/A

y. Sampling Plan

Details about the procedure covering the sampling plan for the analysis table above.

The procedure below covers the elements of a sampling plan as required by Article 33 of the MRR. Where a number of procedures are used, details of an overarching procedure which covers the sampling methods and links together individual sampling methods are listed.

Attachment	**Description**
6.5.16 Sampling Plan for the Analysis of Tallow.doc	Sampling Plan for the Analysis of Tallow
GHG148Tallowanalysis.pdf	Tallow analysis for NCV and carbon content
GHG1480215Testing Single.pdf	Laboratory Accreditation Schedule

Title of procedure	Sampling Plan for the Analysis of Tallow
Reference for procedure	Section 6.5.16
Diagram reference	N/A
Brief description of procedure. The description should cover the essential parameters and operations performed	This procedure describes the frequency of collecting tallow samples, their storage, and preparation for dispatch for analysis.
Post or department responsible for the procedure and for any data generated	Environmental Manager
Location where records are kept	Environmental Manager's Office
Name of IT system used	N/A
List of EN or other standards applied	N/A

z. Sampling Plan Appropriateness

The procedure to be used to revise the appropriateness of the sampling plan.

Title of procedure	Procedure to maintain sampling plant appropriateness
Reference for procedure	Section 6.5.18
Diagram reference	N/A
Brief description of procedure. The description should cover the essential parameters and operations performed	The sampling plan is checked to ensure that sampling is appropriate when tallow is being burned as a fuel.
Post or department responsible for the procedure and for any data generated	Environmental Manager
Location where records are kept	Environmental Manager's Office
Name of IT system used	N/A
List of EN or other standards applied	N/A

Are stock estimates carried out as part of the emission calculations?	No

aa. Tracking Instruments

The procedure used to keep track of instruments installed in the installation used for determining activity data.

Title of procedure	Recording, Maintenance and Calibration of Equipment
Reference for procedure	6.5.09
Diagram reference	N/A
Brief description of procedure.	This procedure details the recording, maintenance and calibration of all equipment used to determine CO2 emissions.
Post or department responsible for the procedure and for any data generated	Environment
Location where records are kept	Environment Office
Name of IT system used	N/A
List of EN or other standards applied	N/A

11. Management

bb. Monitoring and Reporting Responsibilities

Responsibilities for monitoring and reporting emissions from the installation are listed below:

Relevant job titles/posts and provide a succinct summary of their role relevant to monitoring and reporting are listed below.

Job Title / Post	**Responsibilities**
Environmental Manager	Overall reporting of CO2 emissions to the competent authority and implementation of the MRR on site.
Administrative Coordinator	Weekly data collection for fuel use.
Accounts Manager	Management of invoices of fuel purchases.
Plant Operations Manager	Fuel purchasing, fuel combustion and stocktaking
Weighbridge Administration	Recording weight and time of deliveries of fuel on weighbridge dockets.
Plant Manager	Deciding on which fuel types and fuel quantities are used, and procuring weighbridge calibration services.

Attachment	**Description**
N/A	N/A

cc. Assignment of Responsibilities

Details of the procedure used for managing the assignment of responsibilities for monitoring and reporting within the installation and for managing the competencies of responsible personnel in accordance with Article 58(3)(c) of the MRR:

This procedure identifies how the monitoring and reporting responsibilities for the roles identified above are assigned and how training and reviews are undertaken.

Title of procedure	Procedure for the Management of Responsibilities
Reference for procedure	6.5.12
Diagram reference	N/A
Brief description of procedure. The description should cover the essential parameters and operations performed	This procedure details the responsiblities of the Environmental Manager, Administrative Coordinator, Accounts Manager, Plant Operations Manager, Weighbridge Administration and Plant Manager, as desribed above, which are relevant to data flow for the purposes of MRR. The competency to carry out there function is assessed and any training needs addressed.
Post or department responsible for the procedure and for any data generated	Environment
Location where records are kept	Environment Office
Name of IT system used	N/A
List of EN or other standards applied	N/A

dd. Monitoring Plan Appropriateness

Details of the procedure used for regular evaluation of the monitoring plan's appropriateness covering in particular any potential measures for the improvement of the monitoring methodology:

Title of procedure	Monitoring Plan Appropriateness
Reference for procedure	6.5.06
Diagram reference	N/A
Brief description of procedure. The description should cover the essential parameters and operations performed	This procedure describes how the monitoring plan is evaluated for continued suitability for the implementation of the MRR. It decribes how source streams, uncertainity thresholds and any improvements within the requirements of the MRR, are assessed for suitability and addressed where required.
Post or department responsible for the procedure and for any data generated	Environmental Manager
Location where records are kept	Environment Office
Name of IT system used	N/A
List of EN or other standards applied	N/A

ee. Data Flow Activities

Details of the procedures used to manage data flow activities in accordance with Article 57 of the MRR:

Title of procedure	Procedure of Data Flow Activities
Reference for procedure	6.5.01
Diagram reference	N/A
Brief description of procedure. The description should cover the essential parameters and operations performed	This procedure describes how data flow for the reporting of CO2 emissions is operated. It lists the inputs: purchased fuel weight data; invoices; weighbridge dockets; tallow weight data; stocktake records; and appropriate calculation factors. It describes the control of such data and the generation of the outputs of annual activity totals; calculation of CO2 produced, completed annual emissions report and verification.
Post or department responsible for the procedure and for any data generated	Environmental Manager
Location where records are kept	Environment Office
Name of IT system used	N/A
List of EN or other standards applied	N/A
List of primary data sources	Weighbridge dockets, fuel purchase invoices, tallow weight data; stocktaking records.
Description of the relevant processing steps for each specific data flow activity. Identify each step in the data flow and include the formulas and data used to determine emissions from the primary data. Include details of any relevant electronic data processing and storage systems and other inputs (including manual inputs) and confirm how outputs of data flow activities are recorded	Input: Weighbridge recording of fuel delivered on weighbridge docket. Control: Dockets collected and checked against fuel invoices during the year. Output: Weigbridge weights and dates recorded on a spreadsheet for end of year calculations. Input: Weight of tallow produced on site transferred to burn tank for combustion Output: Log of tallow burning Input: Stocktakes are taken at year end for all source streams. Control: Witnessed and recorded. Output: Stocktake record for determining annual batch activity data. Input: End of year totals for all source streams. Control: Totals determined and adjustments made for year end stocktakes in January. Output: Annual activity data.

Input Annual activity data; appropriate calculation factors; emissions calculation spreadsheet

Control: Calculation of previous year CO2 emitted in January

Output: Completed annual emissions reporting template.

Input: Completed annual emissions reporting template

Control: Submitted to verifier

Output: Verified emissions report.

Input: Verified emissions report

Control: Submit to EPA

Output: Completion of annual reporting obligations.

Submit relevant documents to record data flow activities

Attachment	**Description**
N/A	N/A

ff. Assessing and Controlling Risks

Details of the procedures used to assess inherent risks and control risks in accordance with Article 58 of the MRR:

Title of procedure	Assessing and Controlling Risks
Reference for procedure	6.5.10
Diagram reference	N/A
Brief description of procedure. The description should cover the essential parameters and operations performed	This procedure describes how risk is assessed for probability of error occurring in usage data generated from the weighbridge weighing and recording, measuring equipment, calculation factors and reporting. It assesses the severity of such errors on the accurate reporting of CO2 emissions. The risk is thus decided as low, moderate or high. The procedure describes this for inherent and control risks.

Post or department responsible for the procedure and for any data generated	Environmental Manager
Location where records are kept	Environment Office
Name of IT system used	N/A
List of EN or other standards applied	N/A

gg. Quality Assurance of Metering / Measuring Equipment

Details of the procedures used to ensure quality assurance of measuring equipment in accordance with Article 58 and 59 of the MRR.

Title of procedure	Procedure for Quality Assurance
Reference for procedure	6.5.08
Diagram reference	N/A
Brief description of procedure. The description should cover the essential parameters and operations performed	This procedure describes how the quality control of measuring equipment is maintained. It lists the measuring equipment, the weighbridge; fuel oil tank pressure level gauge; tallow storage tank; tallow burn tank pressure gauge transmitter; LPG gas cylinders. Measuring equipment ouput data is checked so that the level of accuracy of tier 1 is achieved. The accuracy of weights of fuel oil and imported tallow (minor source stream) is verified by the accuracy of the weighbridge. The annual calibration of the weighbridge is checked to ensure accuracy. The weight of tallow produced on site (minor source stream) is verified by calibration of the burn tank pressure gauge transmitter. LPG gas (a demininis source stream) cylinders are a traded standard weight. Stocktaking measuring equipment is checked for appropriate accuracy. Appropriate corrective action is taken where non-compliance with required performance is identified for measurement equipment.
Post or department responsible for the procedure and for any data generated	Environmental Manager
Location where records are kept	Environment Office
Name of IT system used	N/A
List of EN or other standards applied	N/A

hh. Quality Assurance of Information Technology used for Data Flow Activities

Details of the procedures used to ensure quality assurance of information technology used for data flow activities in accordance with Article 58 and 60 of the MRR:

Title of procedure	Procedure for Quality Assurance
Reference for procedure	6.5.02
Diagram reference	N/A
Brief description of procedure. The description should cover the essential parameters and operations performed	This procedure describes the quality assurance of Information Technology used for Data Flow activities is

	tested for quality assurance. Individual PCs, where data relevant to collection of data and reporting of CO2 emisions is stored, are password protected by the individual using them, and the information is backed up by the IT department. The IT system is security protected by anti-virus software and in the event of a system information loss, recovery of information is enabled through the back-up system.
Post or department responsible for the procedure and for any data generated	Environmental Manager
Location where records are kept	Environment Office
Name of IT system used	N/A
List of EN or other standards applied	N/A

ii. Review and Validation of Data

Details of the procedures used to ensure regular internal reviews and validation of data in accordance with Articles 58 and 62 of the MRR.

Title of procedure	Procedure for the Review and Validation of Data
Reference for procedure	6.5.03
Diagram reference	N/A
Brief description of procedure. The description should cover the essential parameters and operations performed	This procedure describes how data is reviewed and validated. Vertical audits are performed which compare the current year's activity data and emissions calculations with previous years so as to identify unusual trends or anomalies. Horizontal audits are performed annually which compare input data and output data. Fuel weights delivered are compared with invoices and usage data.
Post or department responsible for the procedure and for any data generated	Environmental Manager
Location where records are kept	Environment Office
Name of IT system used	N/A
List of EN or other standards applied	N/A

jj. Corrections and Corrective Actions

Details of the procedures used to handle corrections and corrective actions in accordance with Articles 58 and 63 of the MRR:

Title of procedure	Implementation of Corrective Action
Reference for procedure	6.5.04
Diagram reference	N/A
Brief description of procedure. The description should cover the essential parameters and operations performed	This procedure describes how data flow activities and control activities are assessed, and how errors are identified and determined. It also decribes how appropriate corrective action is performed and data corrected.

Post or department responsible for the procedure and for any data generated	Environmental Manager
Location where records are kept	Environment Office
Name of IT system used	N/A
List of EN or other standards applied	N/A

kk. Control of Outsourced Activities

Details of the procedures used to control outsourced processes in accordance with Articles 59 and 64 of the MRR.

Title of procedure	Control of Outsourced activities
Reference for procedure	6.5.11
Diagram reference	N/A
Brief description of procedure. The description should cover the essential parameters and operations performed	This procedure describes how outsourced activities such as calibration are controlled. It states the standards required for such activities and how checks are performed on the data received.
Post or department responsible for the procedure and for any data generated	Environmental Manager
Location where records are kept	Environment Office
Name of IT system used	N/A
List of EN or other standards applied	N/A

ll. Record Keeping and Documentation

Details of the procedures used to manage record keeping and documentation:

Title of procedure	Procedure for Record Keeping and Documentation
Reference for procedure	6.5.05
Diagram reference	N/A
Brief description of procedure. The description should cover the essential parameters and operations performed	This procedure details the requirements for holding documentation relating to the MRR implementation. It details the list of documentation required which includes documentation relating to monitoring plans, reports, verification reports, audits, procedures and activity data. Data is held for 10 years on file in hardcopy format in the Environment Office. Softcopy copies are held on file on the Environmental Manager's PC. All data and information stipulated in Annex IX of the Monitoring and Reporting Regulation (MRR) of relevance to the installation in accordance with the requirements of Article 66 of the MRR is maintained and made readily available upon request of the EPA or Verifier.
Post or department responsible for the procedure and for any data generated	Environment
Location where records are kept	Environment Office

Name of IT system used	N/A
List of EN or other standards applied	N/A

mm. Risk Assessment

The results of a risk assessment that demonstrates that the control activities and procedures are commensurate with the risks identified:

Attachment	Description
N/A	N/A

nn. Environmental Management System

Does your organisation have a documented Environmental Management System?	Yes
Is the Environmental Management System certified by an accredited organisation?	No

12. Changes in Operation

oo. Changes in Operation

Article 24(1) of Commission Decision 2011/278/EC requires that Member States must ensure that all relevant information about any planned or effective changes to the capacity activity level and operation of an installation is submitted by the operator to the competent authority by 31 December each year. Article 12(3) of the MRR further provides that Member States may require information to be included in the monitoring plan of an installation for the purposes of meeting these requirements.

Details of the procedure used to ensure regular reviews are carried out to identify any planned or effective changes to the capacity activity level and operation of the installation that have an impact on the installation's allocation:

The procedure specified below cover the following:

- planning and carrying out regular checks to determine whether any planned or effective changes to the capacity activity level and operation of an installation are relevant under Commission Decision 2011/278/EC; and
- Procedures to ensure such information is submitted to the competent authority by 31 December of each year.

Title of procedure	Changes of Operation
Reference for procedure	6.5.07
Diagram reference	N/A
Brief description of procedure. The description should cover the essential parameters and operations performed	This procedure describes how any changes, planned or otherwise, to capacity, activity level or operation are checked for regularly. It describes how, if such changes are identified, this information should be communicated to the EPA by 31 December each year, by completing and submitting the application form amending amounts allocated.
Post or department responsible for the procedure and for any data generated	Environmental Manager
Location where records are kept	Environment Office
Name of IT system used	N/A

13. Abbreviations

pp. Abbreviations Acronyms or definitions

Abbreviations acronyms or definitions that have been used in this monitoring plan:

Abbreviation	**Definition**
CO2	Carbon dioxide
MRR	Monitoring and Reporting Regulation
EPA	Environmental Protection Agency

14. Additional Information

Any other information:

Attachment	**Description**
20LS Joint Technical Document.pdf	NCV and EF for F1 (processed Fuel Oil)
Metering Uncertainty for the Weighbridge.pdf	Metering Uncertainty for the weighbridge
GHG 148 Permit Application Review Response.pdf	Appication Review Response
Wexford Proteins Ltd Certificate of Incorporation.pdf	Wexford Proteins Ltd Certificate of Incorporation

Attachment	Description
Joint Declaration for Permit_Transfer_IRL_ETS_013_3 SProteins to WexProteinsLtd.xls	Joint Declaration for Permit Transfer Slaney Proteins to Wexford Proteins Ltd
ghg 148i_20160907120256.pdf	scan copy signed declaration for transfer and certified cert

15. Confidentiality

qq. Confidentiality Statement

It is the Environmental Protection Agency's policy to make information received by it in the course of its work open to inspection by any person on request. This is in accordance with the provisions of the European Communities (Access to Information on the Environment) Regulations 2007 to 2011.

In the event that you considered that some of the information being submitted of a confidential nature, then the nature of this information and the reasons why it should be considered confidential, with reference to the European Communities (Access to Information on the Environment) Regulations 2007 to 2011 and any amendments must be explicitly requested using the facility below. The Board of the Environmental Protection Agency will consider the requests and if the information can be deemed as confidential and necessary.

Notwithstanding any request for confidentiality, the Environmental Protection Agency explicitly reserves the right to release data to the Commission, including emissions and allocations to the public, on the basis that the data will be used for the purposes foreseen in Directive 2003/87/EC of the European Parliament and of the Council of 13 October 2003 establishing a scheme for greenhouse gas emission allowance trading within the Community and amending Council Directive 96/61/EC.

Please tick this box if you consider that any part of your form should be treated as commercially confidential/sensitive: false

END of Appendix I.