

ATTACHMENT

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MUNSTER

PROTEINS

LTD

IPPC

LICENSE.

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This licence was amended on 24<sup>th</sup> May 2006 under Section 82(11) of the Environmental Protection Agency Acts, 1992 & 2003. The details of the amendment must be read in conjunction with this licence. The amendment document is entitled S82(11)AmendmentA.



Headquarters,  
Johnstown Castle Estate,  
County Wexford, Ireland

## INTEGRATED POLLUTION CONTROL REVISED LICENCE

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<b>Licence Register Number:</b>	586
<b>Licensee:</b>	Munster Proteins Limited t/a Waterford Proteins
<b>Location of Activity:</b>	Christendom Ferrybank Waterford

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## Glossary of Terms

The Agency	Environmental Protection Agency.
The Licensee	Munster Proteins Limited t/a Waterford Proteins, Christendom, Ferrybank, Waterford.
AER	Annual Environmental Report.
Annually	All or part of a period of twelve consecutive months.
Animal By-Products	Any carcase or part of any animal or fish or any product of animal origin not intended for direct human consumption with the exception of animal excreta and catering waste (S.I. No. 257 of 1994).
BATNEEC	Best Available Technology Not Entailing Excessive Cost.
Biannually	All or part of a period of six consecutive months.
Biennially	Once every two years.
BOD	5 day Biochemical Oxygen Demand.
BSE	Bovine Spongiform Encephalopathy
COD	Chemical Oxygen Demand.
Daily	During all days of plant operation, and in the case of emissions, when emissions are taking place; with no more than 1 measurement on any one day.
Day	Any 24 hour period.
Daytime	0800 hrs to 2200 hrs.
dB(A)	Decibels (A weighted).
DO	Dissolved Oxygen.
EMP	Environmental Management Programme.
EPA	Environmental Protection Agency
EWC	European Waste Catalogue (94/3/EEC, see also Agency Guidance Note on the EWC)
Fallen Animals	Shall have the same meaning as the term 'dead animal' in the definition of Specified Risk Material (SRM)
Fortnightly	At least 20 measurements in a calendar year with no more than one measurement in any one week.
IPC	Integrated Pollution Control.
kPa	kilo Pascals.



Leq	Equivalent continuous sound level.
Local Authority	Kilkenny County Council.
Location of Activity	Christendom, Ferrybank, Waterford.
Mass Flow Limit	An Emission Limit Value which is expressed as the maximum mass of a substance which can be emitted per unit time. The limit is usually expressed in kilograms per hour (kg/h).
Mass Flow Threshold	A mass flow rate, above which, a concentration limit applies. The rate is usually expressed in kilograms per hour (e.g. at mass flow rates > 2 kg/h).
Monthly	At least 12 times per year at approximately monthly intervals.
Night-time	2200 hrs to 0800 hrs.
Noise sensitive location	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
Odour sensitive location	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires that odour must not result in significant impairment or interference.
PER	Pollution Emission Register.
ppm	Parts per million.
Quarterly	All or part of a period of three consecutive months beginning on the first day of January, April, July or October.
Regional Fisheries Board	Southern Regional Fisheries Board
Specified Risk Material (SRM)	The tissues referred to in Annex I of Commission Decision of 20 June 2000 regulating the use of material presenting risks as regards transmissible spongiform encephalopathies and amending Decision 94/474/EC. Unless otherwise specified it does not include products containing or derived from these tissues. Where specified risk materials (SRM) are not removed from dead animals not slaughtered for human consumption, the parts of the body containing the SRM or the entire body shall be treated as SRM.
Standard Methods	As detailed in "Standard Methods for the Examination of Water and Wastewater", (prepared and published jointly by A.P.H.A., A.W.W.A & W.E.F) 19th Ed. 1995, American Public Health Association, 1015 Fifteenth Street, N.W., Washington DC 20005, USA.
TA Luft	Technical Instructions on Air Quality Control - TA Luft in accordance with art. 48 of the Federal Immission Control Law (BlmSchG) dated 15 March 1974 (BGBl. I p.721). Federal Ministry for Environment, Bonn 1986 and amendments.
Waste disposal operation	Means any of the operations included in the Third Schedule to the Waste Management Act 1996.

Waste recovery operation	Means any of the operations included in the Fourth Schedule to the Waste Management Act 1996.
Weekly	During all weeks of plant operation, and in the case of emissions, when emissions are taking place; with no more than one measurement in any one week.
WWTP	Waste Water Treatment Plant.

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## ***Reasons for the Decision***

The Agency is satisfied, on the basis of the information available that, subject to compliance with the conditions of this licence, any emissions from the activity will comply with and not contravene any of the requirements of Section 83(3) of the Environmental Protection Agency Act, 1992.

In reaching this decision the Agency has considered the application and supporting documentation received from the licensee, all submissions and objections received and the report of its inspectors.

## ***Activities Licensed***

In pursuance of the powers conferred on it by the Environmental Protection Agency Act, 1992, the Agency hereby grants a revised licence to:

Munster Proteins Limited t/a Waterford Proteins, Christendom, Ferrybank, Waterford

under Section 88(2) of the said Act to carry on the following activity

:- the rendering of animal by-products

at Christendom, Ferrybank, Waterford, subject to the following sixteen Conditions, with the reasons therefor and associated schedules attached thereto.

# Conditions

## Condition 1. Scope

- 1.1 The activity shall be controlled, operated, and maintained and emissions shall take place as set out in this Integrated Pollution Control (IPC) licence. All programmes required to be carried out under the terms of this licence, become part of this licence.
- 1.2 No alteration to, or reconstruction in respect of, the activity or any part thereof which would, or is likely to, result in
- (a) a material change or increase in:
- 1.2.1 The nature or quantity of any emission,
- 1.2.2 The abatement/treatment or recovery systems,
- 1.2.3 The range of processes to be carried out,
- 1.2.4 The fuels, raw materials (animal by-products), intermediates, products or wastes generated, or
- (b) any changes in:
- 1.2.5 The site management and control with adverse environmental significance,
- shall be carried out or commenced without prior notice to, and without the prior written agreement of, the Agency.
- 1.3 This licence is for the purposes of IPC licensing under the EPA Act, 1992 only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.
- 1.4 Any reference in this licence to 'site' shall mean the plan area edged in black and labelled 'Site Plan, Drawing No. WP/95/115 EPA 2 II' provided as part of the original IPC licence application.
- 1.5 This licence has been granted in substitution for IPC licence granted to the licensee on 12 June 1997 and bearing Register No: 40. This revised licence replaces the previous IPC licence.
- 1.6 Having regard to the nature of the works and arrangements necessary in connection with the Activity and without prejudice to the provisions of Section 90(2)(b) of the EPA Act of 1992, this licence shall have effect for three years and one month from the date the licence is granted.

*Reason: To clarify the scope of this licence.*

## Condition 2. Management of the Activity

- 2.1 The licensee shall establish and maintain an Environmental Management System (EMS) which shall fulfil the requirements of this licence. The EMS shall assess all operations and review all practicable options for the use of cleaner technology, cleaner production and the reduction and minimisation of waste, and shall include as a minimum those elements specified in the Conditions 2.2 to 2.9 below:
- 2.2 A schedule of Environmental Objectives and Targets



- 2.2.1 The licensee shall prepare a schedule of Environmental Objectives and Targets. The schedule shall include time frames for the achievement of set targets. The schedule shall address a five year period as a minimum. The schedule shall be reviewed annually and amendments thereto notified to the Agency for agreement as part of the Annual Environmental Report (AER) (See also Condition 2.8).
- 2.2.2 The licensee shall have regard to those matters listed in the appropriate section of *Schedule 5(i) Recording and Reporting* to the Agency when establishing the schedule of Objectives and Targets.
- 2.3 Environmental Management Programme (EMP)
- 2.3.1 The licensee shall, not later than one month from the date of grant of this licence, submit to the Agency for agreement an EMP, including a time schedule, for achieving the Environmental Objectives and Targets prepared under Condition 2.2. Once agreed the EMP shall be established and maintained by the licensee. It shall include:
- (i) designation of responsibility for targets,
  - (ii) the means by which they may be achieved,
  - (iii) the time within which they may be achieved.
- The EMP shall be reviewed annually and amendments thereto notified to the Agency for agreement as part of the Annual Environmental Report (AER) (Condition 2.8).
- 2.3.2 A report on the programme, including the success in meeting agreed targets, shall be prepared and submitted to the Agency as part of the AER. Such reports shall be retained on-site for a period of not less than seven years and shall be available for inspection by authorised persons of the Agency.
- 2.4 Documentation
- 2.4.1 The licensee shall establish and maintain an environmental management documentation system which shall be to the satisfaction of the Agency.
- 2.4.2 The licensee shall issue a copy of this licence to all relevant personnel whose duties relate to any condition of this licence.
- 2.5 Corrective Action
- 2.5.1 The licensee shall establish procedures to ensure that corrective action is taken should the specified requirements of this licence not be fulfilled. The responsibility and authority for initiating further investigation and corrective action in the event of a reported non-conformity with this licence shall be defined.
- 2.6 Awareness and Training
- 2.6.1 The licensee shall establish and maintain procedures for identifying training needs, and for providing appropriate training, for all personnel whose work can have a significant effect upon the environment. Appropriate records of training shall be maintained.
- 2.6.2 Personnel performing specifically assigned tasks shall be qualified on the basis of appropriate education, training and/or experience, as required.

## 2.7 Responsibilities

2.7.1 The licensee shall ensure that a person in charge, as defined under the terms of the Environmental Protection Agency Act, 1992 shall be available on-site at all times when the activity is in operation. The person in charge shall also be available to meet with authorised persons of the Agency at all reasonable times.

## 2.8 Communications

2.8.1 The licensee shall put in place a programme to ensure that members of the public can obtain information concerning the environmental performance of the licensee at all reasonable times. This programme shall, within one month of date of grant of the licence, be submitted to the Agency for approval.

2.8.2 The licensee shall submit to the Agency, eighteen months from the date of grant of this licence, and annually thereafter, an AER which shall be to the satisfaction of the Agency. This report shall include as a minimum the information specified in *Schedule 5(i) Recording and Reporting to the Agency* and shall be prepared in accordance with any relevant guidelines issued by the Agency.

## 2.9 Vermin Control

2.9.1 The licensee shall maintain strict and continuous vermin control at the site of the activity.

**Reason:** *To make provision for management of the activity on a planned basis having regard to the desirability of ongoing assessment, recording and reporting of matters affecting the environment.*

## Condition 3. Interpretation

3.1 Emission limit values for emissions to atmosphere in this licence shall be interpreted in the following way:-

### 3.1.1 For Non-Continuous Monitoring:

- (i) For any parameter where, due to sampling/analytical limitations, a 30 minute sample is inappropriate, a suitable sampling period should be employed and the value obtained therein shall not exceed the emission limit value.
- (ii) For flow, no hourly or daily mean value, calculated on the basis of appropriate spot readings, shall exceed the relevant limit value.
- (iii) For all other parameters, no 30 minute mean value shall exceed the emission limit value.

3.2 Emission limit values for waste waters in this licence shall be interpreted in the following way:-

### 3.2.1 Continuous monitoring:

- (i) No flow value shall exceed the specified limit.

### 3.2.2 Non-Continuous Monitoring:

- (i) No pH value shall deviate from the specified range.
- (ii) No temperature value shall exceed the limit value.
- (iii) For parameters other than pH, temperature and flow, eight out of ten consecutive results, calculated as daily mean concentration or mass emission values on the basis of flow proportional composite sampling, shall not exceed the emission limit value. No individual result similarly calculated shall exceed 1.2 times the emission limit value.
- (iv) For parameters other than pH, temperature, and flow, no grab sample value shall exceed 1.2 times the emission limit value.

### 3.3 Noise

- 3.3.1 Noise from the activity shall not give rise to sound pressure levels (Leq,15 minute) measured at noise sensitive locations of the activity which exceed the limit value(s) by more than 2 dB(A).

**Reason:** To clarify the interpretation of emission limit values fixed under the licence.

## Condition 4. Notification

- 4.1 The licensee shall notify the Agency by both telephone and facsimile, if available, to the Agency's Headquarters in Wexford, or to such other Agency office as may be specified by the Agency, as soon as practicable after the occurrence of any of the following:

- 4.1.1 Any release of environmental significance to atmosphere from any potential emission point.
- 4.1.2 Any emission which does not comply with the requirements of this licence.
- 4.1.3 Any malfunction or breakdown of control equipment or monitoring equipment which is likely to lead to loss of control of the abatement system.
- 4.1.4 Any incident with the potential for environmental contamination of surface water or groundwater, or posing an environmental threat to air or land, or requiring an emergency response by the Local Authority.

The licensee shall include as part of the notification, date and time of the incident, details of the occurrence, and the steps taken to minimise the emissions and avoid recurrence.

- 4.2 The licensee shall make a record of any incident as set out in Condition 4.1 above. The notification given to the Agency shall include details of the circumstances giving rise to the incident and all actions taken to minimise the effect on the environment and minimise wastes generated.
- 4.3 A summary report of reported incidents shall be submitted to the Agency as part of the AER. The information contained in this report shall be prepared in accordance with any relevant guidelines issued by the Agency.



- 4.4 In the case of any incident as set out in Conditions 4.1.1, 4.1.2 and/or 4.1.4 above the licensee shall notify the Waterford City Council as soon as practicable after such an incident.
- 4.5 In the case of any incident as set out in Condition 4.1.4 above the licensee shall notify the Local Authority as soon as practicable after such an incident.
- 4.6 In the case of any incident as set out in Condition 4.1.4 above which relates to discharges to water, the licensee shall notify the Southern Regional Fisheries Board as soon as practicable after such an incident.

**Reason:** To provide for the notification of incidents and update information on the activity.

## Condition 5. Emissions to Atmosphere

- 5.1 No specified emission to the atmosphere shall exceed the emission limit value set out in *Schedule 1(i) Emissions to Atmosphere*, subject to Condition 3 of this licence. There shall be no other emission to the atmosphere of environmental significance.
- 5.2 All equipment, including backup equipment, specified in *Schedule 1(ii) Emissions to Atmosphere: Abatement/Treatment Control* of this licence shall be provided on-site. All treatment/abatement, control and monitoring equipment shall be calibrated and maintained when in use or as otherwise approved by the Agency under the Environmental Management Programme.
- 5.3 Monitoring and analyses of each emission shall be carried out as specified in *Schedule 1(iii) Monitoring of Emissions to Atmosphere* of this licence. A report on the results of this monitoring shall be submitted to the Agency on a quarterly basis.
- 5.4 The licensee shall, not later than two months from the date of grant of this licence, submit proposals to the Agency for agreement to undertake an odour assessment of the site of the activity. The odour assessment shall include but is not limited to,
- the identification and quantification of all significant odour sources,
  - an evaluation of the suitability and adequacy of the odour abatement system(s),
  - odour dispersion modelling.
- The proposals shall also include a time-scale for completing the assessment. A report on this assessment shall be submitted to the Agency for approval, within two months of date of undertaking the assessment.
- 5.5 The odour assessment report (referred to in Condition 5.4) shall make recommendations as appropriate. Any such recommendations arising out of the report shall be carried out within a time-scale to be approved by the Agency.
- 5.6 Test programme:
- 5.6.1 The licensee shall prepare, to the satisfaction of the Agency, a programme to demonstrate negative pressure throughout all buildings where animal by-products, SRM, intermediates or finished products are deposited, stored, processed or manufactured to ensure that there is no significant escape of odours. The programme shall also establish all

criteria for the operation and control of negative pressure. This programme shall be submitted to the Agency, not later than four months from the date of grant of this licence and prior to the processing of SRM.

- 5.6.2 This programme, following agreement with the Agency, shall be completed within two months of date of agreement and prior to the processing of SRM .
- 5.6.3 A report on the test programme shall be submitted to the Agency within one month of completion.
- 5.7 The licensee shall, not later than one month from the date of grant of this licence submit proposals to the Agency, to assess the effectiveness of the air curtain at the intake door versus the air lock system at the main entrance to the animal by-products and SRM intake building, and demonstrate the effectiveness to the satisfaction of the Agency. If the air curtain system currently employed is found to be unsatisfactory, the licensee shall submit an air lock system proposal to the Agency within four months.
- 5.8 The licensee shall ensure that all air emissions from on-site tallow storage tanks are vented to odour abatement plant. In addition all tallow transport tankers shall be vented to odour abatement plant or back vented. A report on the venting of emissions to air abatement plant shall be submitted to the Agency within one month of date of grant of the licence.
- 5.9 A summary report of emissions to atmosphere shall be submitted to the Agency as part of the AER. The information contained in this report shall be prepared in accordance with any relevant guidelines issued by the Agency.
- 5.10 Boilers shall be operated so as to give a smoke colour less than or equal to shade number 1 on the Ringelmann chart except during periods of start up. Such start up periods shall not exceed 30 minutes in any 24 hour period.
- 5.11 Boilers shall be inspected and maintained annually. Boiler combustion efficiency, SO<sub>x</sub>, NO<sub>x</sub> and CO emissions for the on site boilers shall be tested and the results reported annually as part of the AER.
- 5.12 Where practicable odorous gas streams should be combusted in the boiler subject to compliance with all national emission standards on NO<sub>x</sub>.
- 5.13 Boilers
- (a) Unless alternative measures are carried out, with the agreement of the Agency, to ensure adequate dispersion of the boiler emissions, fuel oil of less than 0.25% sulphur content shall only be used in the boilers.
  - (b) Without prejudice to (a) and subject to any agreed alternative measures referred to therein, the maximum sulphur content of any fuel oil permitted to be combusted in any on-site boiler is 1% by weight.
- 5.14 The license shall maintain a record of all fuel oil deliveries to the site of the activity. Such records shall include suppliers delivery note and the quantity and percentage sulphur content.
- 5.15 Tallow oil derived from the processing of SRM on-site maybe used as fuel in the on-site boiler subject to the prior written agreement of the Agency.
- 5.16 The licensee shall ensure that all operations on-site shall be carried out in a manner such that air emissions and/or odours do not result in significant



impairment of, or significant interference with amenities or the environment beyond the site boundary and at odour sensitive locations.

- 5.17 The licensee shall prepare a programme, to the satisfaction of the Agency, for the monitoring of fugitive emissions to air. This programme shall be submitted to the Agency for agreement, within one month of the date of grant of this licence and shall be commenced within one month of the date of such approval or such other time as the Agency may allow.
- 5.18 The licensee shall, not later than six months from the date of grant of this licence, submit to the Agency for approval, proposals to further treat gases from the rendering and product cooling processes. These proposals shall examine appropriate technical options including but not limited to recuperative thermal oxidation.

**Reason:** *To provide for the protection of the environment by way of control, limitation, treatment and monitoring of emissions.*

## Condition 6. Emissions to Waste Water Treatment

- 6.1 Process waste water from the site shall be discharged to the waste water treatment plant of AIBP Limited, t/a AIBP Waterford.
- 6.2 No specified emission to AIBP Limited, t/a AIBP Waterford WWTP shall exceed the emission limit values set out in *Schedule 2(i) Emissions to Waste Water Treatment* subject to Condition 3 of this licence. There shall be no other emissions of environmental significance.
- 6.3 The control and monitoring equipment shall be calibrated and maintained at all times when in use, or as otherwise approved by the Agency under the EMP.
- 6.4 Monitoring and analysis of each emission shall be carried out as specified in *Schedule 2(ii) Monitoring of Waste Water Emissions* of this licence. A report on the results of this monitoring shall be submitted to the Agency quarterly.
- 6.5 The licensee shall, prior to the processing of SRM, provide a system to ensure that all wash waters arising from vehicles, trailers, containers, storage areas, equipment used for the collection, transfer and handling of animal by-products and SRM, as well as all runoff arising from animal by-product and SRM shall be collected, conveyed and subjected to heat treatment on-site to achieve the minimum requirements set down in the First Schedule of S.I. No. 182 of 2000 prior to passing off-site to the waste water treatment plant. The heat treatment process shall be validated, monitored and recorded in accordance with the Third Schedule of S.I. No. 182 of 2000.
- 6.6 The licensee shall, prior to the processing of SRM, install a screen to remove suspended material from the waste water stream prior to heat treatment detailed in Condition 6.5 of this licence. The screen shall have perforations of less than 4 mm and shall be self cleaning. All screenings derived during the processing of SRM shall be returned for processing with raw material.
- 6.7 The licensee shall, prior to the processing of SRM, install a screen to remove suspended material from the condensate stream prior to its discharge to off-site effluent treatment. The screen shall have perforations of less than 4 mm and shall be self cleaning. All screenings derived during the rendering of SRM shall be returned for processing with raw material.

- 6.8 All liquid wastes arising from the air washers, humidifiers, biofilters, chemical scrubber and boiler blowdown shall be directed to the waste water collection and treatment system.
- 6.9 A summary report of waste water emissions shall be submitted to the Agency as part of the AER. The information contained in this report shall be prepared in accordance with any relevant guidelines issued by the Agency.
- 6.10 No substance shall be discharged in a manner, or at a concentration which, following initial dilution, causes tainting of fish or shellfish.

*Reason: To provide for the protection of the environment by way of control, limitation, treatment and monitoring of emissions.*

## Condition 7. Materials Handling

- 7.1 No bovine animal or animal parts/products, which have been tested positive for BSE, shall be processed at this facility.
- 7.2 Animal by-products and SRM shall be transported from the point of production to the site of the activity as soon as practicable. The licensee shall, where possible, ensure that: during the period April to September inclusive animal by-products and SRM delivered to the site from IPC licensed slaughtering facilities shall not be more than 24 hours old; and that animal by-products and SRM received from all other facilities shall not be more than 48 hours old. Animal by-products and SRM older than 48 hours may only be accepted for processing on the basis that adequate refrigeration or alternative method approved by the Agency, is provided. Records of deliveries including delays shall be maintained on site for inspection.
- 7.3 Animal by-products and SRM shall be processed as soon as practicable but not later than 24 hours after receipt at the site of the activity.
- 7.4 The licensee shall record details of all deliveries of animal by-products and SRM transported to the site of the activity, to include particulars of transporter, origin and date of dispatch, date of delivery, weight as well as adequacy of covering.
- 7.5 The licensee shall maintain a monthly record of the total quantity of animal by-product and SRM delivered to the site as well as the quantity of meat and bone meal and tallow oil produced. This record shall be submitted to the Agency monthly.
- 7.6 All vehicles, trailers and containers used for the transport of animal by-products and SRM to the site of the activity shall be totally enclosed. The design shall be such as to avoid the emission of any nuisance odour or spillage of any liquid or solid matter.
- 7.7 All vehicles, trailers and containers used for the transport of animal by-products and SRM to the site of the activity shall be washed down and shall have their coverings replaced prior to leaving the confines of the intake building. All vehicles shall pass through a wheel wash after exiting the material intake building and prior to leaving the site of the activity.
- 7.8 The licensee shall, prior to the processing of SRM, put in place a programme to ensure that all vehicles, trailers and containers delivering animal by-products and SRM to the site of the activity are adequately contained and covered.



- 7.9 Animal by-products and SRM for processing shall be uncovered, unloaded and deposited within the confines of the intake building. Animal by-products and SRM shall not be uncovered or deposited or stored in the open yard.
- 7.10 There shall be no liquid materials passed through the process without the prior written agreement of the Agency.
- 7.11 Animal by-products or SRM arising from depopulated herds or cohorts of BSE infected animals; animal by-products or SRM arising from a disease outbreak listed under the Diseases of Animals Act, 1966, Part III Diseases of Animals and Poultry, Class A and/or Class B; shall not be processed at the facility, except with the written prior agreement of the Agency.
- 7.12 All areas where animal by-products and SRM are deposited and stored shall be constructed so that the surfaces are impervious and laid to fall to drains with all necessary collection tank(s).
- 7.13 The integrity of all buildings where animal by-products, SRM, intermediates or finished products are deposited, stored, processed or manufactured shall be maintained to prevent the uncontrolled release of ventilation air to the atmosphere.
- 7.14 Negative pressure shall be maintained throughout all buildings where animal by-products, SRM, intermediates or finished products are deposited, stored, processed or manufactured to ensure that there is no significant escape of fugitive odours.
- 7.15 Doors shall be close fitting and remain closed other than for the movement of personnel and materials, during the carrying on of the activity. Personnel doors shall be fitted with self closing mechanisms. Doors other than personnel doors shall have closing mechanisms fitted such that collection/delivery vehicles or personnel cannot over ride them and leave doors open during these services.
- 7.16 All outside yard surfaces shall be kept clean and spillages shall be cleaned up immediately.
- 7.17 The licensee shall, prior to the processing of SRM, ensure that all meat and bone meal and tallow oil, except that destined for thermal destruction, arising from the processing of SRM is heat treated to achieve the requirements set down in the First Schedule of S.I. No. 182 of 2000. The heat treatment process shall be validated, monitored and recorded in accordance with the Third Schedule of S.I. No. 182 of 2000.
- 7.18 All fallen bovine animals arriving for processing shall be transferred, as soon as practicable following offloading, to a dedicated storage area to await testing prior to processing.
- 7.19 No fallen bovine animals, over 30 months old (and subject to ongoing review by the Agency), shall be processed at the facility without having first been tested negative for the presence of the abnormal protease-resistant form of a normal host protein.
- 7.20 The licensee shall submit to the Agency for approval a programme to ensure that all fallen bovine animals, over 30 months old (and subject to ongoing review by the Agency), arriving at the site are tested for the presence of the abnormal protease-resistant form of a normal host protein. The programme shall as a minimum address the handling, testing, storage, record keeping and traceability (on a per animal scale) as well as detailing how positive material is to be handled for removal off-site to an approved contractor. The programme shall identify quarantine areas for the storage of fallen animals awaiting test result confirmation as well as positive material awaiting removal off-site.

- 7.21 The licensee shall, prior to the processing of fallen animals, provide for the implementation of the programme agreed with the Agency under Condition 7.20 of this licence.
- 7.22 The processing and handling of meat and bone meal shall be carried out in an enclosed area and in a manner which does not give rise to dust emissions to atmosphere.
- 7.23 All meat and bone meal derived from the processing of SRM shall be bagged and sealed prior to removal off-site. There shall be only interim/temporary bulk storage in enclosed silos on-site of meat and bone meal derived from processing SRM. Other bulk transport methods may be used only with the prior written approval of the Agency.
- 7.24 Meat and bone meal and/or tallow oil derived from the processing of SRM for removal off-site shall be transported in sealed covered containers or vehicles in such a way as to prevent loss or spillage.
- 7.25 Notwithstanding the requirements of Condition 1.2 of this IPC licence and prior to the provision of alternative arrangements to treat gases from the processes (refer Condition 5.18), the maximum quantity of animal by-products and/or SRM to be accepted at the site of the activity for processing shall not exceed 375 tonnes on any one day. Following commissioning of the new gas treatment system, a revised maximum quantity of animal by-products and/or SRM to be accepted at the site, is to be submitted to the Agency for approval, in accordance with the provisions of Condition 1.2 of this licence.

Reason: *By way of control, limitation, treatment and monitoring of emissions to provide for the protection of the environment.*

## Condition 8. Waste Management

- 8.1 Disposal or recovery of waste shall take place only as specified in *Schedule 3(i) High Risk/Hazardous Wastes for Disposal/Recovery* and *Schedule 3(ii) Other Wastes for Disposal/Recovery* of this licence and in accordance with the appropriate National and European legislation and protocols. No other waste shall be disposed of/recovered either on-site or off-site without prior notice to, and prior written agreement of, the Agency.
- 8.2 Waste sent off-site for recovery or disposal shall only be conveyed to a waste contractor, as agreed by the Agency, and only transported from the site of the activity to the site of recovery/disposal in a manner which will not adversely affect the environment.
- 8.3 The licensee shall prior to
- (a) receiving fallen animals for processing, provide the Agency with full details of the measures to be adopted for the disposal off-site of BSE positive material which may arise from on-site testing,
  - (b) the removal of meat and bone meal and/or tallow oil off-site for disposal, provide full details to the Agency relating to the disposal/recovery of this material.
- 8.4 A full record, which shall be open to inspection by authorised persons of the Agency at all times, shall be kept by the licensee on matters relating to the waste



management operations and practices at this site. This record shall as a minimum contain details of the following:

- 8.4.1 The names of the agent and transporter of the waste.
- 8.4.2 The name of the persons responsible for the ultimate disposal/recovery of the waste.
- 8.4.3 The ultimate destination of the waste.
- 8.4.4 Written confirmation of the acceptance and disposal/recovery of any hazardous waste consignments sent off-site.
- 8.4.5 The tonnages and EWC Code for the waste materials listed in *Schedule 3(i) High Risk/Hazardous Wastes for Disposal/Recovery* and *Schedule 3(ii) Other Wastes for Disposal/Recovery*, sent off-site for disposal/recovery.
- 8.4.6 Details of any rejected consignments.
- 8.4.7 The tonnages and EWC Code for the waste materials listed *Schedule 3(i) High Risk/Hazardous Wastes for Disposal/Recovery* and *Schedule 3(ii) Other Wastes for Disposal/Recovery*

A copy of this Waste Management record shall be submitted to the Agency as part of the AER for the site.

*Reason: To provide for the disposal/recovery of waste and the protection of the environment.*

## Condition 9. Noise

- 9.1 Activities on-site shall not give rise to noise levels off-site, at noise sensitive locations, which exceed the following sound pressure limits (Leq,15 minute) subject to Condition 3 of this licence:
  - 9.1.1 Daytime: 55 dB(A),
  - 9.1.2 Night-time: 45 dB(A).
- 9.2 There shall be no clearly audible tonal component or impulsive component in the noise emission from the activity at any noise sensitive location.
- 9.3 The licensee shall carry out a noise survey annually and report the survey results as part of their AER.

*Reason: To provide for the protection of the environment by control of noise.*

## Condition 10. Energy Use

- 10.1 The licensee shall carry out an audit of the energy efficiency of the site within one year of the date of grant of this licence. The licensee shall consult with the Agency on the nature and extent of the audit and shall develop an audit programme to the satisfaction of the Agency. The audit programme shall be submitted to the Agency in writing at least one month before the audit is to be carried out. A copy of the



audit report shall be available on-site for inspection by authorised persons of the Agency and a summary of the audit findings shall be submitted as part of the Annual Environmental Report. The energy efficiency audit shall be repeated at intervals of not more than 3 years or as required by the Agency.

- 10.2 The audit shall identify all opportunities for energy use reduction and efficiency and the recommendations of the audit will be incorporated into the schedule of Environmental Objectives and Targets under Condition 2.2 above.

**Reason:** To provide for the efficient use of energy in all site operations.

## Condition 11. Non-Process Water

### 11.1 Surface water

11.1.1 A visual examination of the surface water discharges shall be carried out daily. A log of such inspections shall be maintained.

11.1.2 The licensee shall monitor surface water discharges in accordance with *Schedule 4(i) Surface Water Discharge Monitoring* of this licence. A report on the results of this monitoring shall be submitted to the Agency quarterly and a summary report shall be submitted as part of the AER.

11.1.3 No potentially polluting substance or matter shall be permitted to discharge to off-site surface waters or off-site storm drains.

11.1.4 In the event that any analyses or observations made on the quality or appearance of surface water runoff should indicate that contamination has taken place, the licensee shall

- (i) carry out an immediate investigation to identify and isolate the source of the contamination,
- (ii) put in place measures to prevent further contamination and to minimise the effects of any contamination on the environment,
- (iii) and notify the Agency as soon as is practicable.

### 11.2 Firewater Retention.

11.2.1 The licensee shall carry out a risk assessment to determine if the activity should have a fire-water retention facility. The licensee shall submit the assessment and a report to the Agency on the findings and recommendations of the assessment within six months from the date of grant of this licence.

11.2.2 In the event that a significant risk exists for the release of contaminated fire-water, the licensee shall, based on the findings of the risk assessment, prepare and implement, with the approval of the Agency, a suitable risk management programme. The risk management programme shall be fully implemented within three months from date of notification by the Agency.

11.2.3 The licensee shall have regard to the Environmental Protection Agency Draft Guidance Note to Industry on the Requirements for Fire-Water

Retention Facilities when implementing Conditions 11.2.1 and 11.2.2 above.

11.3 Groundwater

11.3.1 No potentially polluting substance or matter shall be permitted to discharge to ground or groundwater under the site.

11.4 Facilities for the Protection of Groundwater and Surface Water

11.4.1 All tank and drum storage areas, including tallow storage areas shall be rendered impervious to the materials stored therein. In addition, tank and drum storage areas shall as a minimum be bunded, either locally or remotely, to a volume not less than the greater of the following;

- (i) 110% of the capacity of the largest tank or drum within the bunded area,
- (ii) 25% of the total volume of substance which could be stored within the bunded area.

Drainage from bunded areas shall be diverted for collection and safe disposal. All bunds shall be tested at least once every three years. A report on such tests shall be included in the AER.

11.4.2 The integrity and water tightness of all the bunding structures and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated by the licensee to the satisfaction of the Agency and shall be reported to the Agency not later than twelve months of the date of grant of this licence.

11.4.3 The licensee shall, prior to receiving SRM for processing,

- (i) submit to the Agency for approval proposals to test and demonstrate the suitability, adequacy, integrity and water tightness of all areas used to store animal by-products and SRM, including tank(s) used to collect run-off and washings from animal by-products and SRM.
- (ii) carry out the test referred to in (i) above to the satisfaction of the Agency. All areas used to store animal by-products and SRM, including tank(s) used to collect animal by-products run-off and washings, shall be tested at least once every three years. A report on such tests shall be included in the AER.

11.4.4 The loading and unloading of materials shall be carried out in designated areas protected against spillage and leachate run-off. While awaiting disposal, all materials shall be collected and stored in designated areas protected against spillage and leachate run - off.

11.4.5 All pump sumps or other treatment plant chambers from which spillage might occur shall be fitted with high liquid level alarms prior to the processing of SRM.

11.4.6 The licensee shall undertake a programme of testing and inspection of underground tanks and pipelines to ensure that all underground effluent and foul sewer pipes are tested at least once every three years. A report on such tests shall be included in the AER.



- 11.4.7 An inspection for leaks on all flanges and valves on over-ground pipes used to transport materials other than water shall be carried out weekly. A log of such inspections shall be maintained.
- 11.4.8 All flanges and valves on over-ground pipes used to transport materials other than uncontaminated water, where no permanent provision for containment of leaks is provided, shall be subject to weekly visual inspection or otherwise monitored for leaks to the satisfaction of the Agency. All such inspections shall be recorded in a log which shall be available for inspection by Agency.
- 11.4.9 The licensee shall have in storage an adequate supply of containment booms and suitable absorbent material to contain and absorb any spillage.

**Reason:** To provide for the protection of surface waters and groundwater.

## Condition 12. Monitoring

- 12.1 The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out in Schedules:-  
*Schedule 1(ii) Emissions to Atmosphere: Abatement/Treatment Control,*  
*Schedule 1(iii) Monitoring of Emissions to Atmosphere,*  
*Schedule 2(ii) Monitoring of Waste Water Emissions,*  
*Schedule 4(i) Surface Water Discharge Monitoring,*  
of this licence.
- 12.2 The licensee shall prepare a programme, to the satisfaction of the Agency, for the identification and reduction of fugitive emissions to air. This programme shall be included in the Environmental Management Programme.
- 12.3 The licensee shall maintain a water meter on the water supply serving the site of the facility. Records of daily water usage shall be maintained on-site and a summary record shall be submitted annually as part of the AER.
- 12.4 Where the ability to measure a parameter is affected by mixing before emission, then, with prior written agreement from the Agency, the parameter may be assessed before mixing takes place.
- 12.5 All automatic monitors and samplers shall be functioning at all times (except during maintenance and calibration) when the activity is being carried on unless alternative sampling or monitoring has been agreed in writing by the Agency for a limited period. In the event of the malfunction of any continuous monitor, the licensee shall contact the Agency as soon as practicable, and alternative sampling and monitoring facilities shall be put in place. Prior written agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.
- 12.6 Monitoring and analysis equipment shall be operated and maintained as necessary so that monitoring accurately reflects the emission or discharge.

- 12.7 The frequency, methods and scope of monitoring, sampling and analyses, as set out in this licence, may be amended with the written agreement of the Agency following evaluation of test results.
- 12.8 The licensee shall install on all emission points such sampling points or equipment, including any data-logging or other electronic communication equipment, as may be required by the Agency. All such equipment shall be consistent with the safe operation of all sampling and monitoring systems.
- 12.9 The licensee shall provide safe and permanent access to the following sampling and monitoring points:
- 12.9.1 Waste waters as discharged from the site.
  - 12.9.2 Emission to atmosphere sampling points.
  - 12.9.3 Waste storage areas on-site.
  - 12.9.4 Surface waters discharge.
- and safe access to any other sampling and monitoring points required by the Agency.
- 12.10 The licensee shall maintain in a prominent location on the site a windsock, or other wind direction indicator, which shall be visible from the public roadway outside the site. In addition, the licensee shall maintain on-site a meteorological station for the purposes of continuously recording wind direction and speed, as well as barometric pressure.

**Reason:** To ensure compliance with the requirements of other conditions of this licence by provision of a satisfactory system of measurement and monitoring of emissions.

### Condition 13. Recording and Reporting to the Agency

- 13.1 The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence.
- 13.2 The licensee shall record all incidents which affect the normal operation of the activity and which may create an environmental risk.
- 13.3 The licensee shall record all complaints of an environmental nature related to the operation of the activity. Each such record shall give details of the date and time of the complaint, the name of the complainant and give details of the nature of the complaint. A record shall also be kept of the response made in the case of each complaint. The licensee shall submit a report to the Agency, during the month following such complaints, giving details of any complaints which arise. A summary of the number and nature of complaints received shall be included in the AER.
- 13.4 The format of all records required by this licence shall be to the satisfaction of the Agency. Records shall be retained on-site for a period of not less than seven years and shall be available for inspection by the Agency at all reasonable times.
- 13.5 Reports of all recording, sampling, analyses, measurements, examinations, calibrations and maintenance as set out in *Schedule 5(i) Recording and Reporting to the Agency* of this licence, shall be submitted to the Agency Headquarters as specified in this licence. The format of these reports shall be to the satisfaction of

- the Agency. One original and three copies shall be submitted as and when specified.
- 13.6 Provision shall also be made for the transfer of environmental information, in relation to this licence, to the Agency's computer system, as may be requested by the Agency.
- 13.7 All reports shall be certified accurate and representative by the licensee's Plant Manager or other senior officer designated by the Plant Manager.
- 13.8 All written procedures controlling operations affecting this licence shall be available on-site for inspection by the Agency at all reasonable times.
- 13.9 The frequency and scope of reporting, as set out in this licence, may be amended with the written agreement of the Agency following evaluation of test results.

*Reason: To provide for the collection and reporting of adequate information on the activity.*

## **Condition 14. Accident Prevention and Emergency Response**

- 14.1 The licensee shall ensure that there is a documented Accident Prevention Policy in place to address any hazards on-site, particularly in relation to the prevention of accidents with possible impacts on the environment.
- 14.2 The licensee shall, prior to the processing of SRM, ensure that a documented Emergency Response Procedure is in place, which shall address any emergency situation which may originate on-site. This Procedure shall include provision for minimising the effects of any emergency, including a fire at the facility, on the environment.

*Reason: To provide for the protection of the environment.*



## Condition 15. Residuals Management

- 15.1 Following termination, or planned cessation for a period greater than six months, of use or involvement of all or part of the site in the licensed activity, the licensee shall decommission, render safe or remove for disposal/recovery, any soil, subsoils, buildings, plant or equipment, or any waste, materials or substances or other matter contained therein or thereon, that may result in environmental pollution.

*Reason: To make provision for the proper closure of the activity ensuring protection of the environment.*

## Condition 16. Financial Provisions

### 16.1 Agency Charges

- 16.1.1 The licensee shall pay to the Agency an annual contribution of £10,264 (Euro – 13,032.59) or such sum as the Agency from time to time determines, towards the cost of monitoring the activity as the Agency considers necessary for the performance of its functions under the Environmental Protection Agency Act, 1992. The licensee shall in 2002 and subsequent years, not later than January 31 of each year, pay to the Agency this amount updated in accordance with changes in the Public Sector Average Earnings Indices from the date of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 2001, the licensee shall pay a pro rata amount from the date of this licence to December 31 2001. This amount shall be paid to the Agency within one month of the date of grant of this licence.

*Reason: To provide for adequate financing for monitoring and financial provisions for measures to protect the environment.*

**Schedule 1(i) Emissions to Atmosphere**

Emission Point Reference No.: A1-AEP 1  
 Location: Biofilter (Rear of process building)  
 Grid Reference: N112135 E262130  
 Loading Rate: <math><150 \text{ m}^3 / \text{m}^2 / \text{hr}</math>  
 Minimum discharge height: 2 m above ground

Parameter	Emission Limit Value
Ammonia	50 ppm
Amines	5 ppm
Hydrogen sulphide & Mercaptans	5 ppm



**Schedule 1(ii) Emissions to Atmosphere: Abatement/Treatment Control**

Emission Point Reference No's.: A1 & E2  
 Description of Treatment: Biofilter & Chemical Scrubber  
 Equipment:

Control Parameter	Equipment	Backup Equipment
Intake air (Biofilter)	Fan	Spare intake fan
Liquid flow (Scrubber)	Pump	Spare pump/parts
pH	pH probe	Spare probe



## Schedule 1(iii) Monitoring of Emissions to Atmosphere

Emission Point Reference No's.: A1-AEP 1

Parameter	Monitoring Frequency	Analysis Method/Technique
Pressure drop across filter	Daily	Differential pressure gauge
Fan operation	Daily	Visual inspection
Olfactory assessment	Daily	Methodology to be agreed in writing with the Agency within one month of date of grant of the licence
Sprinkler system	Daily	Visual inspection
Visual inspection of bed <sup>Note 1</sup>	Weekly	Visual inspection
*Relative humidity <sup>Note 2</sup>	Weekly	Humidity sensor
Temperature <sup>Note 2</sup>	Weekly	Temperature sensor
Gas loading <sup>Note 2</sup>	Weekly	Flow sensor
Ammonia <sup>Note 3</sup>	Weekly	Colorimetric indicator tube
Mercaptans <sup>Note 3</sup>	Weekly	Colorimetric indicator tube
Hydrogen sulphide <sup>Note 3</sup>	Weekly	Colorimetric indicator tube
*Bed material – pH	Quarterly	Standard Methods
*Bed material – moisture	Quarterly	Standard Methods
*Bed material – ammonia	Quarterly	Standard Methods
*Bed material – oils, fats & grease	Quarterly	Standard Methods
*Bed material – total viable counts	Biannually	Standard Methods
Amines	Biannually	NIOSH Method 2010

\*All measurements should be made at peak loadings.

Note 1: The biofilter bed shall be examined to ensure that no channelling or drying out of the bed material is evident. Turning, restructuring and dampening of the bed material and the addition of supplementary bed material, or total bed material replacement shall be carried out, as required, subject to bed performance.

Note 2: Analysis of gases shall be carried out at inlet to biofilter.

Note 3: Analysis for the above parameters shall be carried out at the inlet and outlet to the biofilter



### Schedule 2(i) Emissions to Waste Water Treatment

Emission Point Reference No.: W1-SEP 1

Location: Sewer

Volume to be emitted: Maximum in any one day: 400 m<sup>3</sup>  
Maximum rate per hour: 30 m<sup>3</sup>

Parameter	Emission Limit Value		
	Temperature	35°C (max.)	
pH	6-9		
	Grab Sample (mg/l)	Daily Mean Concentration (mg/l)	Daily Mean Load (Kg/day)
BOD	5,000	2,100	840
Suspended Solids	1,500	-	-

### Schedule 2(ii) Monitoring of Waste Water Emissions

Emission Point Reference No.: W1-SEP 1

Parameter	Monitoring Frequency	Analysis Method/Technique
Flow	Continuous	On-line flow meter with recorder
Temperature	Weekly	Temperature probe
pH	Weekly	pH electrode/meter
Biochemical Oxygen Demand	Weekly – grab at peak discharge	Standard Method
Biochemical Oxygen Demand	Weekly <sup>Note 1</sup>	Standard Method
Suspended Solids	Weekly <sup>Note 1</sup>	Gravimetric
Total Nitrogen (as N)	Monthly <sup>Note 1</sup>	Standard Method
Total Ammonia (as N)	Monthly <sup>Note 1</sup>	Standard Method
Total Phosphorus (as P)	Monthly <sup>Note 1</sup>	Standard Method
Oils, Fats & Greases	Monthly	Standard Method

Note 1: All samples shall be collected on a 24 hour flow proportional composite sampling basis.



### Schedule 3(i) High Risk/Hazardous Wastes for Disposal/Recovery

Waste Materials	Further Treatment, Recovery/Recycling On-Site <small>Note 1</small>	On-Site Reuse <small>Note 1</small>	Method of Disposal/Recovery <small>Note 2</small>
Meat & bone meal and tallow oil	None	None	To be agreed with the Agency.
Suspect/positive BSE material	None	None	To be agreed with the Agency.
Fluorescent tubes	None	None	To be agreed with the Agency.
Other <small>Note 3</small>			

Note 1: The licensee may treat, reuse, recycle or recover waste subject to the prior written agreement of the Agency.

Note 2: Any variation from those contractors named in the IPC Licence application, or subsequent agreements, must have the prior written agreement of the Agency. In cases where a previously agreed waste contractor is considered by the Agency not to exercise due care in respect of the transport and disposal of the licensee's waste, the Agency may at any time instruct a licensee to stop using this contractor.

Note 3: No other high risk/hazardous waste shall be disposed of/recovered off-site or on-site without prior notice to, and prior written agreement of the Agency.



### Schedule 3(ii) Other Wastes for Disposal/Recovery

Waste Materials	Further Treatment, Recovery/Recycling On-Site <small>Note 1</small>	On-Site Reuse <small>Note 1</small>	Method of Disposal/Recovery <small>Note 2</small>
Domestic and canteen waste	None	None	Disposal contractor to be agreed with the Agency
Other <small>Note 3</small>			

Note 1: The licensee may treat, reuse, recycle or recover waste subject to the prior written agreement of the Agency.

Note 2: Any variation from those contractors named in the IPC Licence application, or subsequent agreements, must have the prior written agreement of the Agency. In cases where a previously agreed waste contractor is considered by the Agency not to exercise due care in respect of the transport and disposal of the licensee's waste, the Agency may at any time instruct a licensee to stop using this contractor.

Note 3: No other waste shall be disposed of/recovered off-site without prior notice to, and prior written agreement of the Agency.





**Schedule 4(i) Surface Water Discharge Monitoring**

Emission Point Reference No.: SW1

Grid Reference No: E262095 N112090

Parameter	Monitoring Frequency	Analysis Method/Technique
pH	Monthly	pH electrode/meter
BOD	Monthly	Standard Method
Total Ammonia	Monthly	Standard Method
Visual Inspection	Daily	Not Applicable

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**Schedule 5(i) Recording and Reporting to the Agency**

Completed reports shall be submitted to:

The Environmental Protection Agency  
 P.O. Box 3000  
 Johnstown Castle Estate  
 County Wexford

or Any other address as may be specified by the Agency

Reports are required to be forwarded as set out below:

**Recurring Reports:**

Report	Reporting Frequency	Report Submission Date
Monitoring of emissions to atmosphere	Quarterly	Ten days after end of the quarter being reported on.
Emissions to waste water treatment	Quarterly	Ten days after end of the quarter being reported on.
Surface Waters	Quarterly	Ten days after end of the quarter being reported on.
Monthly total - animal by-products and SRM delivered, meat & bone meal and tallow oil produced	Monthly	Ten days after end of the month being reported on.
Complaints (where these arise)	Monthly	Ten days after end of the month being reported on.
Annual Environment Report (AER)	Annually	Eighteen months from the date of grant of licence and each year thereafter.

Annual Environmental Report Content
Emissions to atmosphere summary.
Waste water emissions summary.
Waste management record.
Surface water emissions summary.
Complaints summary.
Schedule of Environmental Objectives and Targets.
Environmental management programme – proposal.
Environmental management programme – report.
Boiler combustion efficiency/emissions.
Tank and pipeline testing and inspection report (every three years)
Records of daily water usage
Reported incidents summary
Energy Efficiency Report.
Bund integrity testing (every three years)
Noise Monitoring Survey Results

Items to be Addressed in Establishing the Schedule of Objectives & Targets
Reduction in odours.
Water/waste water balance on-site.
Inventory control.
Secondary enclosure of process equipment.
Development of a scheduling system for the processing of animal by-products and SRM i.e. first in first processed.
Energy efficiency improvements

**Once-off Reports:**

<b>Report</b>	<b>Report Submission Date</b>
Report on venting from tallow storage to air abatement.	Within one month of the date of grant of licence.
Proposals to provide air lock system.	Within one month of the date of grant of licence.
Proposals for an odour assessment.	Within two months of the date of grant of licence.
Odour assessment report.	Within two months from the date of undertaking the odour assessment.
Fugitive emissions programme.	Within one month of the date of grant of licence.
Proposals to examine technical options to treat process gases.	Within six months of the date of grant of licence.
Programme to demonstrate negative pressure	Within four months of the date of grant of licence.
Proposals for the treatment of odours arising from the cooling of meat and bone meal.	Within four months of the date of grant of licence.
Proposals for testing presence of abnormal protease-resistant form of a normal host protein.	Prior to the processing of fallen animals.
Energy efficiency audit (thereafter as part of AER).	Within twelve months of the date of grant of licence.
Fire-water retention study.	Within six months of the date of grant of licence.
Bund Integrity assessment (thereafter as part of AER).	Within twelve months of the date of grant of licence.
Programme to demonstrate integrity of areas used to store animal by-products and SRM.	Within four months of the date of grant of licence.
Report on test programme to demonstrate negative pressure.	Within one month of completion of demonstration.
Environmental management programme proposal.	Within one month from the date of grant of licence.
Details of approval of export destination off-site of BSE suspect or positive material.	Prior to acceptance of SRM on-site.
Details of approval of disposal/recovery route of tallow and meat & Bone meal.	Prior to export off-site.
Proposals and report to test/demonstrate suitability, adequacy, integrity and water tightness of areas to store animal by-products and SRM.	Prior to acceptance of SRM on-site.
Public Information Programme	Within one month of date of grant of the licence.

Signed on behalf of the Agency

Padraic Larkin

Director/Authorised Person

Dated this 2<sup>nd</sup> day of April, 2001.





Headquarters  
P.O. Box 3000  
Johnstown Castle Estate  
County Wexford  
Ireland

AMENDMENT A  
TO  
INTEGRATED POLLUTION PREVENTION &  
CONTROL LICENCE

<b>Licence Register Number:</b>	586
<b>Licensee:</b>	Munster Proteins Limited t/a Waterford Proteins
<b>Location of Installation:</b>	Christendom, Ferrybank, Waterford.

## ***Reason for the Amendment of Conditions***

The Environmental Protection Agency has examined the terms of licence Reg. No. 586 as required by the provisions of Section 82(10)(a) of the Environmental Protection Agency Acts 1992 and 2003, and determined that the licence can be brought into conformity with the provisions and requirements of Council Directive 96/61/EC by the exercise of the powers conferred by Section 82(11) of the Environmental Protection Agency Acts 1992 and 2003.

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of licence Reg. No. 586 granted on the 2<sup>nd</sup> April 2001, as well as any amendments noted herein, any emissions from the activity will comply with and not contravene any of the requirements of Section 83(5) of the Environmental Protection Agency Acts, 1992 and 2003.

## ***Amendment of Conditions***

In pursuance of the powers conferred on it by Section 82(11) of the Environmental Protection Agency Acts, 1992 and 2003, the Agency amends Licence Reg. No. 586, granted to Munster Proteins Limited t/a Waterford Proteins, for an installation located at Christendom, Ferrybank, Waterford.

This amendment is limited to the following conditions of Licence Reg. No. 586:

# Amendments

## (i) Glossary of Terms

**BAT** Best Available Techniques.

*To be inserted into the Glossary of the existing licence.*

## (ii) Condition 2.10 (new)

2.10 BAT

2.10.1 BAT shall be used to prevent, eliminate or reduce emissions from the activity.

*This condition to be inserted at the end of Condition 2 Management of the Activity.*

These amendments should be read in conjunction with licence Reg. No. 586, granted on 2<sup>nd</sup> April 2001.

Sealed by the seal of the Agency on this the 24<sup>th</sup> day of May 2006.

**PRESENT when the seal of the Agency  
was affixed hereto:**

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**Dr. Padraic Larkin, Director**