

This licence was amended on 9 November 2005 under Section 82(11) Environmental Protection Agency Acts, 1992 and 2003. The details of the amendment must be read in Conjunction with this licence. The amendment document is entitled 191S82(11)AmendmentA.

LICENCE REG P00191-01 HAS BEEN REVISED

Please note that Licence Reg. No. P0191-01 was reviewed and replaced by the revised Licence Reg. No. P0191-02.



Headquarters, Johnstown Castle Estate
County Wexford, Ireland

INTEGRATED POLLUTION CONTROL LICENCE

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| Licence Register Number: | 191 |
| Licensee: | AIBP Limited t/a AIBP Rathkeale |
| Location of Activity: | Rathkeale, Co. Limerick |

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Glossary of Terms

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| The Agency | Environmental Protection Agency. |
| The Licensee | AIBP Limited t/a AIBP Rathkeale, Rathkeale, Co. Limerick. |
| AER | Annual Environmental Report. |
| Annually | All or part of a period of twelve consecutive months. |
| BATNEEC | Best Available Technology Not Entailing Excessive Cost. |
| Bi-annually | All or part of a period of six consecutive months. |
| BOD | 5 day Biochemical Oxygen Demand. |
| 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 hr. period. |
| Daytime | 0800 hrs to 2200 hrs. |
| dB(A) | Decibels (A weighted). |
| DO | Dissolved Oxygen. |
| EMP | Environmental Management Programme. |
| EWC | European Waste Catalogue (94/3/EEC, see also Agency Guidance Note on the EWC) |
| ha | hectare. |
| IPC | Integrated Pollution Control. |
| Leq | Equivalent continuous sound level. |
| List I | As listed in the EC Directives 76/464/EEC and 80/68/EEC and amendments. |
| List II | As listed in the EC Directives 76/464/EEC and 80/68/EEC and amendments. |
| Local Authority | Limerick County Council. |
| Monthly | At least 12 times per year at approximately monthly intervals. |

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| 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. |
| Organic Waste | Dewatered paunch contents, WWTP sludges, lairage/truck solids wastes. |
| SRM | Specified Risk Material. |
| 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. |
| 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. |

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 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 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, intermediates, products or wastes generated,
- or 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 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 red on drawing no. RK/96/35 and map entitled 'AIBP Rathkeale, Water Treatment Plant, Site Plan' of the IPC licence application and shall also all include process related pipelines.

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 2.8 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 prepared to the satisfaction of the Agency and shall be submitted to the Agency within four months of date of grant of this licence. 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 *Schedule 4(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 six months from the date of grant of this licence, submit to the Agency for agreement an EMP, including a time schedule, for achieving objectives and targets. 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).

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 be submitted for agreement to the Agency within six months of the date of grant of this licence.
- 2.8.2 The licensee shall submit to the Agency, eighteen months from the date of grant of this licence, and each calendar year thereafter, an AER which shall be to the satisfaction of the Agency. This report shall include as a minimum the information specified in *Schedule 4(i) Recording and Reporting to the Agency* and shall be prepared in accordance with any relevant guidelines issued by the Agency.

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 waters in this licence shall be interpreted in the following way:-
- 3.1.1 Continuous monitoring:
- (i) No flow value shall exceed the specified limit.
- 3.1.2 Non-Continuous Monitoring:
- (i) No pH value shall deviate from the specified range.
- (ii) For parameters other than pH 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.
- (iii) For parameters other than pH and flow, no grab sample value shall exceed 1.2 times the emission limit value.
- 3.2 Noise
- 3.2.1 Noise from the activity shall not give rise to sound pressure levels (Leq,15 minute) measured at noise sensitive locations 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 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 accidental discharge, spillage or deposit of any polluting matter which enters or is likely to enter receiving water.
- 4.1.4 Any malfunction or breakdown of control equipment or monitoring equipment set out in;
Schedule 1(ii) Effluent Treatment Control
which is likely to lead to loss of control of the abatement system.
- 4.1.5 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 Condition 4.1.2 above which relates to discharges to water, the licensee shall notify the Shannon Regional Fisheries Board as soon as practicable after such an incident.
- 4.5 In the event of any incident, as set out in Condition 4.1.5 having taken place, the licensee shall notify the Local Authority 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 Within six months of the date of grant of this licence, the licensee shall submit to the Agency, for approval, a proposal to undertake a detailed assessment of the emissions from the on-site boilers. This assessment shall include details on (but is not limited to):
- Stack height,
 - Characteristics of the emissions from the boilers,
 - Energy efficiency,
 - Fuel selection and characteristics,
 - Appropriate air dispersion modelling

The licensee shall carry out this assessment of the emissions from the boilers, as approved by the Agency, and shall submit a report to the Agency on the findings and recommendations of the assessment within a timescale to be specified by the Agency.

- 5.2 Having regard to the report on the assessment of the emissions from the boilers required by Condition 5.1, the licensee shall carry out any remedial measures that the Agency considers necessary and specifies, within a timescale specified by the Agency, taking account of BATNEEC, and shall submit a further report to the Agency on the satisfactory implementation of these measures.

- 5.3 Combustion Efficiency, SO_x, NO_x and CO emissions for the on-site boilers shall be tested annually and results reported as part of the AER.
- 5.4 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.
- 5.5 Other than boiler emissions, there shall be no other emission to atmosphere of environmental significance.
- 5.6 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.

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

Condition 6 Emissions to Water

- 6.1 No specified emission to water shall exceed the emission limit values set out in *Schedule 1(i) Emissions to Water* subject to Condition 3 of this licence. There shall be no other emissions to water of environmental significance.
- 6.2 The equipment, including backup equipment, specified in *Schedule 1(ii) Effluent Treatment Control* of this licence, shall be provided on-site. All treatment/abatement, control and monitoring equipment shall be calibrated and maintained at all times when in use.
- 6.3 Monitoring and analyses of each emission shall be carried out as specified in *Schedule 1(iii) Monitoring of Emissions to Water* of this licence. A report on the results of this monitoring shall be submitted to the Agency monthly.
- 6.4 A summary report of emissions to water 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.
- 6.5 The licensee shall within twelve months from the date of grant of this licence submit a proposal to the Agency to carry out an assessment of the pathogenic impact of the final effluent discharge from the on-site WWTP. The scope and detail for this investigation must be agreed by the Agency prior to implementation. Any recommendations arising from a report or reports on this investigation shall be implemented within such a period as to be agreed with the Agency.

- 6.6 The effluent discharge sampling location on the effluent discharge from the water treatment plant (as identified on map entitled 'AIBP Rathkeale, Water Treatment Plant, Site Plan' of the IPC licence application) shall be submitted to the Agency for agreement within one month of date of grant of this licence.
- 6.7 The licensee shall submit a proposal to the Agency which shall address the options for treatment, reuse and disposal of discharges arising from the water treatment plant. The proposal shall be submitted to the Agency for agreement within six months of date of grant of this licence and the measures identified shall be implemented within six months of agreement by the Agency of the proposal.
- 6.8 Washings/wastewaters arising from the cleaning of the water treatment tank (adjacent to water abstraction point) shall be directed to the on-site WWTP.
- 6.9 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 Waste Management

- 7.1 Disposal or recovery of waste shall take place only as specified in *Schedule 2(i) Hazardous Wastes for Disposal or Recovery*, and *Schedule 2(ii) Other Wastes for Disposal or Recovery* of this licence and in accordance with the appropriate National and European legislation and protocols. No other waste shall be recovered on-site or disposed or recovered off-site without prior notice to, and prior written agreement of the Agency.
- 7.2 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 or disposal in a manner which will not adversely affect the environment.
- 7.3 All waste by-products of blood, offal, bones, hides, fat, paunch, lairage/truck solids wastes and WWTP sludges sent off-site for disposal or recovery shall be transported in covered, water retaining containers.
- 7.4 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:
- 7.4.1 The names of the agent and transporter of the waste.
 - 7.4.2 The name of the persons responsible for the ultimate disposal or recovery of the waste.
 - 7.4.3 The ultimate destination of the waste.
 - 7.4.4 Written confirmation of the acceptance and disposal or recovery of any hazardous waste consignments sent off-site.
 - 7.4.5 The results of any analyses required under *Schedule 2(iii) Waste Analysis* of this licence.

7.4.6 The tonnages and EWC Code for the waste materials listed in *Schedule 2(i) Hazardous Wastes for Disposal or Recovery* and *Schedule 2(ii) Other Wastes for Disposal or Recovery*, sent off-site for disposal or recovery.

7.4.7 Details of any rejected consignments.

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

7.5 Where wastes are destined for landspreading the following conditions apply:

7.5.1 All contractors and agents undertaking landspreading must be as outlined in the IPC licence application. Alterations to this are subject to prior written agreement with the Agency.

7.5.2 The licensee shall ensure that no organic waste from the facility to which this licence relates, is provided to lands in the landbank, other than by agreement with the Agency, which receive waste for landspreading from any other off-farm source which is not included in the Nutrient Management Plan.

7.5.3 All landspreading activities shall be undertaken in accordance with a Nutrient Management Plan. This plan must be agreed in advance with the Agency. The licensee shall submit to the Agency for agreement an updated NMP on an annual basis.

7.5.4 The licensee shall ensure that all paunch material arising from the activity which is stored at off-site lands is removed and disposed/recovered in a manner which must have the prior written agreement of the Agency. A report on the removal of this material and the disposal/recovery methods used shall be submitted to the Agency within two months of date of grant of this licence.

7.5.5 The licensee shall carry out an assessment and inspection of all on-site and off-site waste storage facilities. This assessment shall include details of the condition and capacity in terms of volume and time for all storage of waste destined for landspreading. A report on this assessment shall be submitted to the Agency within four months of the date of grant of this licence. The report shall include a programme for the provision of adequate storage including timeframes and details for the agreement of the Agency and shall be implemented to the satisfaction of the Agency within six months of agreement.

7.5.6 All landspreading activities shall be carried out in such a manner as to avoid contamination of surface waters and groundwaters.

7.5.7 Landspreading of organic wastes shall be undertaken using soil injection, bandspreading or low trajectory splashplate, or other methods agreed with the Agency. No landspreading of blood from this facility shall take place.

7.5.8 The licensee shall implement appropriate procedures for the screening of paunch contents to remove animal tissue, prior to transport off-site for disposal.

7.5.9 Dewatered paunch contents shall be incorporated into the soil within twenty four hours of application.

7.5.10 Organic waste produced at the site shall be analysed in accordance with *Schedule 2(iii) Waste Analysis* of this licence.

7.5.11 Monitoring of lands for landspreading shall be in accordance with *Schedule 2(iv) Monitoring of Lands used for Landspreading*.

7.5.12 Landspreading shall be carried out in accordance with:

Schedule 2(v) Buffer Zones for Landspreading of Organic Wastes,

Schedule 2(vi) Code of Practice for Landspreading of Organic Waste

of this licence.

7.6 An organic waste register shall be maintained on site and shall be available for inspection by authorised personnel of the Agency at all reasonable times. This register shall include details of the following:

- (i) the results of any analysis required under *Schedule 2(iii) Waste Analysis,*
- (ii) date of spreading,
- (iii) contractor/agent spreading organic waste,
- (iv) weather conditions at the time and weather forecast for subsequent 48 hours,
- (v) nutrient requirements for individual fields/plots,
- (vi) volumes of organic waste applied to individual fields/plots.

Details from the organic waste register shall be reported to the Agency monthly and a summary submitted annually as part of the AER.

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

Condition 8 Noise

8.1 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 :

8.1.1 Daytime: 55 dB(A)

8.1.2 Night-time: 45 dB(A).

8.2 There shall be no clearly audible tonal component or impulsive component in the noise emission from the activity at any noise sensitive location.

8.3 The licensee shall carry out a noise survey of the site operations once every two years. The licensee shall consult with the Agency on the timing, nature and extent of the survey and shall develop a survey programme to the satisfaction of the Agency. The survey programme shall be submitted to the Agency in writing at least one month before the survey is to be carried out. A record of the survey results shall be available for inspection by any authorised persons of the Agency, at all reasonable times and a summary report of this record shall be included as part of the AER.

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

Condition 9 Non-Process Water

- 9.1 Surface water (including cooling tower and cannery retort water)
- 9.1.1 The licensee shall monitor surface water discharges in accordance with *Schedule 3(i) Surface Water Discharge Monitoring* of this licence. Within one month of date of grant of this licence, the licensee shall submit to the Agency, for agreement, the location(s) of such monitoring points. A report on the results of this monitoring shall be submitted to the Agency monthly.
- 9.1.2 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.
- 9.1.3 The licensee shall within six months of date of grant of this licence submit to the Agency for agreement a surface water monitoring programme for surface waters which bisect the landspread areas. The results generated by the agreed programme are to be reported annually as part of the AER.
- 9.2 Groundwater
- 9.2.1 The licensee shall within six months of date of grant of this licence submit to the Agency for agreement a groundwater monitoring programme for wells located within the landspread areas. The results generated by the agreed programme are to be reported annually as part of the AER.
- 9.3 Facilities for the Protection of Groundwater and Surface Water
- 9.3.1 All tank and drum storage areas shall be rendered impervious to the materials stored therein. In addition, tank (excluding compressor and generator fuel tanks) 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.
- 9.3.2 The licensee shall, within six months of date of grant of this licence, install bunds around the compressor and generator fuel tanks.
- 9.3.3 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 within twelve months from the date of grant of this licence and at periods of every three years thereafter as part of the AER.
- 9.3.4 Containment kerbs shall be provided where tallow storage tanks are located, within 18 months of date of grant of this licence.

- 9.3.5 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.
- 9.3.6 All pump sumps or other treatment plant chambers from which spillage might occur shall be fitted with high liquid level alarms within twelve months from the date of grant of this licence.
- 9.3.7 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 from the date of grant of this licence. The scope of the testing programme shall be submitted in writing to the Agency at least three months before the survey is to be carried out. A report on results of such tests shall be included in the AER.
- 9.3.8 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.
- 9.3.9 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 10 Monitoring

- 10.1 The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out in Schedules:-
- Schedule 1(ii) Effluent Treatment Control*
- Schedule 1(iii) Monitoring of Emissions to Water*
- Schedule 2(iii) Waste Analysis*
- Schedule 2(iv) Monitoring of Lands used for Landspreading*
- Schedule 3(i) Surface Water Discharge Monitoring*
- of this licence.
- 10.2 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.
- 10.3 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.
- 10.4 Monitoring and analysis equipment shall be operated and maintained as necessary so that monitoring accurately reflects the emission or discharge.
- 10.5 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.

- 10.6 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.
- 10.7 The licensee shall provide safe and permanent access to the following sampling and monitoring points:
- 10.7.1 Final effluents as discharged from the site.
 - 10.7.2 WWTP
 - 10.7.3 Emission to atmosphere sampling points.
 - 10.7.4 Noise sources on-site.
 - 10.7.5 Waste storage areas on-site.
 - 10.7.6 Surface waters discharge.
- and safe access to any other sampling and monitoring points required by the Agency.
- 10.8 The licensee shall, within three months of the date of grant of this licence, install in a prominent location on the site a wind sock, or other wind direction indicator, which shall be visible from the public roadway outside the site.

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 11 Recording and Reporting to Agency

- 11.1 The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence.
- 11.2 The licensee shall record all incidents which affect the normal operation of the activity and which may create an environmental risk.
- 11.3 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.
- 11.4 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.
- 11.5 Reports of all recording, sampling, analyses, measurements, examinations, calibrations and maintenance as set out in *Schedule 4(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.
- 11.6 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.

- 11.7 All reports shall be certified accurate and representative by the licensee's Plant Manager or other senior officer designated by the Plant Manager.
- 11.8 All written procedures controlling operations affecting this licence shall be available on-site for inspection by the Agency at all reasonable times.
- 11.9 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 12 Emergency Response

- 12.1 The licensee shall within six months of the date of grant of this licence, 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 on the environment.

Reason: To provide for the protection of the environment.

Condition 13 Financial Provisions

13.1 Agency Charges

- 13.1.1 The licensee shall pay to the Agency a minimum annual contribution of £6,748, or such greater sum as the Agency from time to time determines, towards the cost of monitoring the emissions as the Agency considers necessary for the performance of its functions under the Environmental Protection Agency Act, 1992. The licensee shall in 1999 and subsequent years, not later than January 31 of each year, pay to the Agency this amount updated in accordance with changes in the Consumer Price Index from the date of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 1998, the licensee shall pay a pro rata amount from the date of this licence to December 31 1998. 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 2(i) Hazardous Wastes for Disposal/Recovery

| Waste Materials | Method of Off-site Disposal |
|--|---|
| Waste Oils | Agreed hazardous waste recovery contractor |
| Specified Risk Material ^{Note 1} | Specialist, licensed SRM rendering facilities |
| Any infectious waste ^{Note 2} | Specialist, rendering facilities |
| Other ^{Note 3} | |

Note 1: Refer to S.I. No. 80 of 1997.

Note 2: As defined by Category H9 of Annex III to the EU Hazardous Waste Directive (91/689/EEC).

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

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Schedule 2(ii) Other Wastes for Disposal/Recovery

| Waste Materials ^{Note 1} | Method of Off-site Disposal or Recovery ^{Note 2} |
|---|---|
| Dewatered sludges from WWTP | Landspreading by agreed disposal contractors |
| Dewatered paunch material | Landspreading by agreed disposal contractors |
| Lairage and truck wash solids | Landspreading by agreed disposal contractors |
| Animal Offal and Bones | Agreed rendering facility |
| Coarse Screenings | Agreed rendering facility |
| Blood | Agreed rendering facility |
| General Office and Factory Waste | Agreed disposal contractor |
| Scrap Metal | Agreed recovery facility |
| Other ^{Note 3} | |

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 such cases where a previously agreed waste contractor is proven not to exercise due care in respect of the transport and disposal of the licensees 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 or recovered off-site without prior notice to, and prior written agreement of the Agency.

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Schedule 2(iii) Waste Analysis

| Waste Class | Frequency | Parameter | Method |
|----------------------|-------------|--|-----------------------|
| Organic Waste | Bi-annually | %Dry matter, Total N, Total P, Total K | Standard Methods |
| | Daily | Volume/Mass | As agreed with Agency |

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Schedule 2(iv) Monitoring of Lands used for Landspreading

Monitoring Point Reference No.: All lands included in the landbank ^{Note 1}

| Conditions | Monitoring Frequency ^{Note 2} | Analysis Method/Technique ^{Note 3} |
|--|--|---|
| Where no soil test available | Within 12 months of date of grant of licence | Morgan's P test |
| Where soil test $\leq 10\text{mg/P1}^{-1}$ | Every two years | Morgan's P test |
| Where soil test $> 10\text{mg/P1}^{-1}$ but $\leq 15\text{mg/P1}^{-1}$ | Annually | Morgan's P test |

Note 1: Each sample should be representative of a maximum area of 4ha except where uniform cropping and land use has been in place for the previous 5 years or more. In the latter situation a sample of 12ha is acceptable.

Note 2: For lands which have been agreed with the Agency as suitable for landspreading.

Note 3: Peach, M and English, L. (1944) 'Rapid micro-chemical test'. Soil Science 57:167.

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Schedule 2(v) Buffer Zones for Landspreading of Organic Wastes

No organic waste shall be spread within the following buffer zones:

| Area | Buffer Zone (m) |
|---|--|
| Sensitive buildings (hospitals, schools and churches) | 200 |
| Dwelling houses | 100 ^{Note 1} |
| Karst features | 30 |
| Lakes and main river channels | 20 |
| Small watercourses | 10 ^{Note 2} |
| Public Roads | 10 ^{Note 2} |
| Domestic wells | 50 ^{Note 2} |
| Public supply well | 300 ^{Note 3} /100 day travel time |

Note 1: The above distance may be decreased with the written consent of the occupier and prior written agreement of the Agency.

Note 2: The above distances to be increased if the gradient is greater than 6% (1:17).

Note 3: The appropriate distance depends on vulnerability and groundwater flow direction.

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Schedule 4(i) Recording and Reporting to the Agency

Completed reports shall be submitted to:

The Environmental Protection Agency
Headquarters
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 water | Monthly | Ten days after end of the month being reported on. |
| Surface Water | Monthly | Ten days after end of the month being reported on. |
| Organic Waste register | 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. |
| Nutrient Management Plan | Annually | By February 1st each year |
| Annual Environment Report(AER) | Annually | Eighteen months from the date of grant of licence and each year thereafter. |
| Noise monitoring - proposal | Every two years | One month prior to survey |

| Annual Environmental Report Content | Items to be Addressed in the Schedule of Objectives & Targets |
|---|--|
| Boiler emissions to atmosphere and combustion efficiency results. Emissions to water summary. Organic waste register Waste management report. Resource consumption summary. Complaints summary. Reported incidents summary Schedule of Environmental Objectives and Targets Environmental management programme - proposal Environmental management programme - report Report on List I & II substance reductions Noise monitoring report (every two years) Surface water and groundwater monitoring programme results for landspreading areas Tank and pipeline testing and inspection report (every three years) Bund integrity assessment (every three years) | Optimisation of water reuse and subsequent reduction in effluent volumes and loads being discharged including phosphate load The feasibility of using an alternative fuel in the boilers Reduction in fugitive emissions to atmosphere Use of alternative cleaning, water treatment and cooling water chemicals Minimisation of odours from the facility and from landspreading operations Investigate the possibility of alternative treatment technologies (e.g. digestion) for the disposal of organic waste |

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Once-off Reports:

| Report | Report Submission Date |
|--|---|
| Effluent discharge & surface water discharge monitoring points | Within one month of the date of grant of licence |
| Paunch disposal/recovery report | Within two months of the date of grant of licence. |
| Schedule of Environmental Objectives and Targets | Within four months of the date of grant of licence. |
| Boiler assessment proposal | Within six months of the date of grant of licence. |
| Programme for public information. | Within six months of the date of grant of licence. |
| Nutrient Management Plan | Within six months of the date of grant of licence. |
| Water treatment discharge report (Condition 6.7) | Within six months of the date of grant of licence. |
| Environmental management programme proposal. | Within six months of the date of grant of licence. |
| Surface Water monitoring programme | Within six months of the date of grant of licence. |
| Groundwater monitoring programme | Within six months of the date of grant of licence. |
| Pathogenic impact assessment | Within twelve months of the date of grant of licence. |
| Bund integrity assessment. | Within twelve months of the date of grant of licence. |
| Tank/pipeline testing proposal | Three months prior to testing programme. |
| Waste Storage Facilities - Report | Within four months of date of grant of this licence. |

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Signed on behalf of the Agency by:
Iain Maclean
30th September 1998