

LOCAL GOVERNMENT (WATER POLLUTION) ACTS, 1977 & 1990, as amended


IRISH WATER

LICENCE NUMBER (Reg. Ref.): IW-DTS-725014-01

Irish Water in exercise of the powers conferred on it by the Local Government (Water Pollution) Acts, 1977 & 1990, as amended, hereby **grants the under mentioned Licensee, a licence (IW-DTS-725014-01) subject to the conditions stated overleaf**, to discharge trade effluent or other matter (other than domestic sewage or storm water) from the under mentioned premises:¹

LICENSEE:	BioAtlantis Limited, Clash Industrial Estate, Tralee, Co. Kerry
PREMISES:	BioAtlantis Limited, Clash Industrial Estate, Tralee, Co. Kerry
ACTIVITY:	Production of Seafood Extracts
SEWER:	375mm IW Sewer at Clash Industrial Estate, Co. Kerry
NATURE OF DISCHARGE:	Trade effluent arising from the production of seafood extracts and facility washings

Signed:


 Authorised Signatory

Dated:

13 June 2017

¹ Note: Appeals

An appeal against the decision made by Irish Water under Section 16 and/or Section 17 of the Local Government (Water Pollution) Act, 1977, as amended by Section 12 and/or 13 of the Local Government (Water Pollution) (Amendment) Act, 1990 may be made to An Bord Pleanála under Section 15 of the Local Government (Water Pollution) (Amendment) Act, 1990 by a person to whom a Licence was granted (with or without conditions).

1. The Appeal should be made in writing and should state subject matter of the Appeal and the grounds of Appeal.
2. Appeals should be addressed to the Secretary, An Bord Pleanála, 64 Marlborough Street, Dublin 1 and should be made within ONE MONTH of the date of Irish Water's decision.
3. A party to an Appeal shall give to An Bord Pleanála any documents, information or evidence in its possession or procurement which An Bord Pleanála consider necessary for the purpose of determining the Appeal.
4. Fees are payable on the making of Appeals, Submissions/Observations and Requests for Oral Hearings and details of such fees are available at www.pleanala.ie

LICENCE NO.: IW-DTS-725014-01 CONDITIONS

1. Scope

1.1. This licence is for the purpose of licensing trade effluent discharges to sewers as defined in the Local Government (Water Pollution) Act, 1977, as amended and nothing in this licence shall be construed as negating the Licensee's statutory obligations or requirements under any other enactments or regulations.

1.2. This licence remains valid for:

- I. as long as the licence has not been reviewed or revoked; or,
- II. a period of three years following the cessation of the discharge of trade effluent to sewer.

1.3. All trade effluent arising from the above mentioned premises shall be discharged to sewer in accordance with plans, drawings, maps and other documentation or further information submitted as part of the application for this licence.

1.4. Only trade effluent which is generated as a result of activities outlined in the application for this licence at the above mentioned premises shall be permitted to discharge to sewer.

1.5. The Licensee shall give not less than 20 days notice in writing to Irish Water before making any material change which:

- I. may alter the nature or composition of the trade effluent discharged to sewer;
- II. may alter volume or rate of flow of the trade effluent discharged to sewer;
- III. may alter abatement, treatment or recovery systems installed in connection with the trade effluent discharged to sewer; or,
- IV. may alter the range of processes or activities giving rise to the trade effluent;

unless the trade effluent to be discharged to sewer following such material change will still comply fully with all conditions of this licence.

Any material change leading to a continuous non-compliance with any condition set out in this licence shall necessitate the Licensee to apply for a licence review.

1.6. Any change of;

- I. the above mentioned Licensee (i.e. the legal entity in control of the licence); and/or,
- II. location of the licensed activity from the above mentioned premises to an alternative location;

shall necessitate this licence to be revoked. The Licensee shall give not less than 20 days notice in writing to Irish Water of any such change.

LICENCE NO.: IW-DTS-725014-01 CONDITIONS

1.7. Any change of the business /trading name used by the above mentioned Licensee in carrying out the licensed activity shall necessitate the Licensee to apply for a licence review. The Licensee shall give not less than 20 days notice in writing to Irish Water of any proposed change to the business /trading name.

2. Trade Effluent Discharged to Sewer

2.1. The trade effluent arising from activities at the above mentioned premises shall be discharged to sewer as per the requirements of Schedule A of this licence.

2.2. The trade effluent shall be monitored at a frequency not less than that set out in Schedule B of this licence. The costs of all monitoring set out in Schedule B shall be borne by the Licensee.

2.3. The Licensee shall install and maintain a continuous in-line flow measurement and recording device(s) to record the volume and rate of trade effluent discharged to sewer.

Authorised Persons of Irish Water shall have access to the in-line flow measurement and recording device at all reasonable times. Volume and flow rate readings shall be retained by the Licensee and made available to Irish Water upon request.

2.4. The Licensee shall at no time discharge or permit the discharge into the sewer of any liquid matter or thing which;

- I. would constitute a danger to sewer maintenance personnel working in the wastewater network or wastewater treatment plant;
- II. cannot be appropriately treated at the downstream wastewater treatment plant;
- III. would be liable to render wastewater sludge generated at the downstream wastewater treatment plant unsuitable for disposal to agricultural lands or other approved disposal routes;
- IV. would be liable to cause corrosion to sewer pipes, penstock and sewer fittings or the general integrity of the sewer;
- V. would be liable to cause the liberation of by-products detrimental to either the wastewater network or wastewater treatment plant;
- VI. would be liable to cause impairment of the receiving environment and ecosystem to which the wastewater treatment plant discharges;
- VII. would be liable to give rise to flammable or explosive vapours in the receiving wastewater network;
- VIII. would be liable to cause the release of nuisance odours from the wastewater network either directly or indirectly following mixing with other wastewater within the network; or,
- IX. would be liable to cause a blockage in the wastewater network or set, or congeal, at average sewer temperature.

2.5. Non-trade effluent wastewater (e.g. contaminated firewater, accidental spillages) which occurs on site shall not be discharged to the sewer without the prior written authorisation of Irish Water.

LICENCE NO.: IW-DTS-725014-01 CONDITIONS

2.6. The Licensee shall avoid the use of non-biodegradable cleaning agents/detergents. Where this is not possible, Best Available Techniques (BAT) shall be employed to substitute or minimise their discharge to sewer and receiving environment to which the wastewater treatment plant discharges.

3. Control and Monitoring

3.1. The Licensee shall clearly label and provide and maintain a suitable trade effluent sampling point(s) prior to any discharge to sewer and it/each shall be so constructed and maintained to enable safe and secure access and egress to authorised persons for the purpose of taking representative samples at any reasonable time of trade effluent discharged to sewer from the above mentioned premises.

3.2. The point(s) of discharge to sewer and trade effluent sampling point(s) shall be clearly indicated on appropriately scaled and clearly legible drawings/maps ($\leq A3$) which shall be held onsite by the Licensee and submitted to Irish Water upon request.

3.3. The Licensee shall provide and maintain safe and secure access and egress for authorised persons to inspect, examine, take readings from and test at any reasonable time any works and apparatus installed in connection with the control and management of trade effluent.

3.4. The Licensee shall ensure that trade effluent arising from canteen /kitchen facilities which may contain fats, oils and grease (FOG) passes through grease removal equipment before discharging to sewer.

Grease removal equipment employed shall meet the following specifications;

- Passive grease separators must comply with the requirements of I.S. EN 1825: Parts 1 & 2.
- Grease removal units must comply with the requirements of the US Plumbing and Drainage Institute (PDI) G101 guidelines.

3.5. Within 3 months of the date of grant of this licence, the Licensee shall submit the specifications of proposed or existing grease removal equipment and also provide evidence, including calculations, demonstrating that the size of the equipment is in accordance with Condition 3.4 of this licence. This submission shall be sent to both Licence Reporting Contacts as detailed on the final page of this licence.

3.6. The Licensee shall provide and maintain if required by Irish Water additional apparatus for measuring and automatically recording the volume, rate of discharge and nature of the trade effluent to the satisfaction of Irish Water in connection with each pipe through which trade effluent is discharged to sewer. The cost of this work shall be borne by the Licensee.

LICENCE NO.: IW-DTS-725014-01 CONDITIONS

3.7. The Licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence.

3.8. All equipment used for monitoring discharges shall be calibrated in accordance with the manufacturers' recommendations and records of such calibrations shall be submitted to Irish Water upon request.

3.9. The Licensee shall have a representative sample(s) of the trade effluent tested for any other parameters which may be reasonably required by Irish Water for the purposes of assessing the effects of the trade effluent on:

- I. the health and safety of wastewater network and treatment plant maintenance personnel;
- II. the general integrity of the wastewater network;
- III. the ultimate receiving environment and ecosystem;
- IV. the operations of the downstream wastewater treatment plant; and,
- V. wastewater sludge generated at the downstream wastewater treatment plant.

4. Notifications, Records and Reports

4.1. The Licensee shall keep records in such a form as Irish Water may require of the volume, rate of discharge, nature and composition of the trade effluent discharged into the sewer.

Reports shall be made quarterly within 10 days of the end of each quarter, and made available on request and shall include, as the minimum, the following information:

- I. all monitoring results for the reporting period including certificates of analysis;
- II. discharge volumes;
- III. discharge rates;
- IV. details of any non-compliances;
- V. reasons for non-compliance;
- VI. proposals for prevention of a recurrence of the non-compliance; and,
- VII. maintenance details or upgrades to any onsite effluent treatment systems.

4.2. The Licensee shall before the 31st of January each calendar year submit an annual report of all monitoring results (in excel format graphically displaying trends and highlighting any non compliances) via e-mail to both Licence Reporting Contacts set out on the final page of this licence. The report shall also contain a summary of the outcome of any non-compliance prevention actions employed by the Licensee during the previous year.

4.3. The Licensee shall ensure all reports are signed by a manager or another designated senior officer and shall be submitted via e-mail to both Licence Reporting Contacts set out on the final page of this licence.

4.4. The Licensee shall record all complaints received relating to trade effluent at the facility. The record shall contain the name of the complainant, nature, time, date and a

LICENCE NO.: IW-DTS-725014-01 CONDITIONS

summary of the Licensee's investigation and response including the name and role of the person(s) who investigated the complaint. All records of complaints shall be retained onsite for auditing by Irish Water and submitted upon request.

4.5. The Licensee shall maintain a register of chemicals and raw materials used in onsite processes. Relevant Safety Data Sheets (SDS) shall also be retained onsite for inspection by Authorised Persons of Irish Water or submitted electronically to Irish Water upon request.

4.6. The Licensee shall immediately report any incident to Irish Water via the Incident Reporting Contact details on the final page of this licence.

An incident shall be considered to be any trade effluent discharge which:

- I. is a major breach of emission limits to sewer;
- II. would constitute a danger to sewer maintenance personnel working in the wastewater network or treatment plant;
- III. would be injurious to the construction of the wastewater network or treatment plant;
- IV. would be detrimental to the ultimate receiving environment or ecosystem;
- V. would interfere with the operations of the downstream wastewater treatment plant and supporting infrastructure; or,
- VI. would render wastewater sludge generated at the downstream wastewater treatment plant unsuitable for disposal to agricultural lands or other approved disposal routes.

5. Infrastructure, Maintenance and Operation

5.1. The Licensee shall maintain onsite pipelines carrying trade effluent so as to prevent the ingress of surface or storm water and shall ensure that they are fit for purpose through routine inspection.

5.2. All process chemicals, fuels and other liquids with the potential to cause an incident as detailed above should they be released in an uncontrolled manner shall be stored in bunded areas so as to prevent their discharge to the sewer.

5.3. The Licensee shall maintain any wastewater treatment plant, meters, gauges, manholes, inspection chambers, sampling chambers, grease removal equipment, bunded storage areas and other associated infrastructure so as to meet the required Emission Limit Values (ELVs) and in any case, at least in accordance with the manufacturers' recommendations, industry best practice guidelines or as per additional maintenance or servicing requirements set out by Irish Water based on operational experience.

5.4. The Licensee shall operate and maintain monitoring and analyses equipment as necessary so that monitoring accurately reflects the trade effluent discharged to sewer.

5.5. If required by Irish Water, the Licensee shall alter existing pre-treatment apparatus or provide additional pre-treatment of the trade effluent so as to meet the required Emission

LICENCE NO.: IW-DTS-725014-01 CONDITIONS

Limit Values (ELV's) as set out in Schedule A of this licence.

5.6. The Licensee shall maintain, or have maintained any on-site effluent treatment systems and keep records in such a form as Irish Water may require of maintenance, cleaning or desludging carried out by any duly authorised third party contractor.

6. Financial Charges and Provisions

6.1. The Licensee shall pay amounts as may be determined by Irish Water having regard to the expenditure incurred or to be incurred by it in monitoring, treating and disposing of discharges of trade effluent, sewage effluent or other matter to sewer.

6.2. The Licensee shall pay amounts as may be determined by Irish Water having regard for any compliance monitoring conducted by Irish Water in addition to self monitoring set out in Condition 2.2 of this licence. This charge covers the cost of sample collection and analysis. Payment is to be made on demand. The frequency of such additional monitoring will depend on compliance with Condition 2.1 of this licence.

(see Schedule A and Schedule B overleaf)

LICENCE NO.: IW-DTS-725014-01 CONDITIONS
Schedule A

Discharge Point Reference No.	TE1	
Parameter	Emission Limit Values*	
Flow**	300 m ³ /day	
Flow**	12.5 m ³ /hour	
pH	6.0 – 10.0 pH Units	
Temperature	35 Celsius	
Toxicity (Toxicity Units***)	10 TU	
	Concentration (mg/l)	Load (kg/day)
BOD	500	90
COD	1200	360
Total Suspended Solids	500	150
Total Ammonia (as N)	10	3
Chlorides (as Cl)	1000	300
Sulphate (as SO ₄)	800	240
Fats, Oils and Grease (FOG)	50	15
Total Phosphorus (as P)	10	3
Detergents (as MBAS)	5	1.5
Phenols (as C ₆ H ₅ OH)	10	3

* Note: If requested by Irish Water, samples shall be taken on a 24 hour flow proportionate composite sampling basis, otherwise a grab/spot sample will suffice. A composite sample for testing purposes shall be defined as any sample extracted from the sampling apparatus between 8.00 am and 12.00 noon on any day for which normal operational activities have been ongoing for the previous 24 hours.

** Note: Flow shall be calculated according to Condition 2.3.

*** Note: Toxicity Units (TU) are defined as: $TU = (100/x \text{ Hour EC}_{50})$ where x is the relevant period of exposure and EC₅₀ is expressed as % vol/vol.

LICENCE NO.: IW-DTS-725014-01 CONDITIONS
Schedule B

Discharge Point Reference No.	TE1	
Parameter	Monitoring Frequency****	Methodology
Flow	Continuous	As per Condition 2.3
pH	Continuous	Standard Method
Temperature	Continuous	Standard Method
BOD	Quarterly	Standard Method
COD	Quarterly	Standard Method
Total Suspended Solids	Quarterly	Standard Method
Total Ammonia (as N)	Quarterly	Standard Method
Chlorides (as Cl)	Quarterly	Standard Method
Sulphate (as SO ₄)	Quarterly	Standard Method
Fats, Oils and Grease (FOG)	Quarterly	Standard Method
Total Phosphorus (as P)	Quarterly	Standard Method
Detergents (as MBAS)	Quarterly	Standard Method
Phenols (as C ₆ H ₅ OH)	Quarterly	Standard Method
Toxicity	As Requested	Standard Method

**** Note: Sampling shall take place on alternate week days on a rolling basis to ensure representative samples are obtained for site operations which may vary across the working week.

LICENCE NO.: IW-DTS-725014-01 CONDITIONS

<p>Licence Reporting Contact details:</p> <p>Email: TER@water.ie Telephone: 1890 278 278 Irish Water PO Box 860 South City Delivery Office Cork City</p>	<p>Licence Reporting Contact details:</p> <p>Des Fitzgerald E.E., Kerry County Council, Castleisland, Co. Kerry; E-mail: mdfitzgerald@kerrycoco.ie; Tel: 0872494009</p> <p>(Acting for and on behalf of Irish Water)</p>
<p>Incident Reporting Contact details:</p> <p>Telephone: 1890 278 278 Irish Water PQ Box 860 South City Delivery Office Cork City</p>	