

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

UISCE ÉIREANN

LICENCE NUMBER (Reg. Ref.): TE-10455-02

Uisce Éireann 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 TE-10455-02 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: WATER CREMATION IRELAND LIMITED

PREMISES: James Fox Funeral Home - Abbeylands, Navan, Co. Meath

ACTIVITY: Waste

SEWER: Sewer located at Blackwater Heights

NATURE OF DISCHARGE: Trade effluent discharge arising from water cremation

Signed:

Authorised Signatory

Dated: 10/Dec/2024

¹Appeals

An appeal against the decision made by Uisce Éireann 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 Uisce Éireann'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.: TE-10455-02

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:

- as long as the licence has not been reviewed or revoked or,
- 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/licence review.

1.4 Only trade effluent which is generated as a result of activities outlined in the application for this licence/licence review 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 Uisce Éireann before making any material change which:

- May alter the nature or composition of the trade effluent discharged to sewer;
- May alter volume or rate of flow of the trade effluent discharged to sewer;
- May alter abatement, treatment or recovery systems installed in connection with the trade effluent discharged to sewer; or
- 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, complies 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:

- The above mentioned Licensee (i.e. the legal entity in control of the licence) and/or
- 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 Uisce Éireann of any such change.

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.

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 Uisce Éireann 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 Uisce Éireann 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:

- Would constitute a danger to sewer maintenance personnel working in the wastewater network or wastewater treatment plant;
- Cannot be appropriately treated at the downstream wastewater treatment plant;

- 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;
- Would be liable to cause corrosion to sewer pipes, penstock and sewer fittings or the general integrity of the sewer;
- Would be liable to cause the liberation of by-products detrimental to either the wastewater network or wastewater treatment plant;
- Be liable to cause impairment of the receiving environment and ecosystem to which the wastewater treatment plant discharges;
- Would be liable to give rise to flammable or explosive vapours in the receiving wastewater network;
- 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
- Would be liable to cause a blockage in the wastewater network or be liable to 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 Uisce Éireann.

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.

2.7 If required by Uisce Éireann, the Licensee shall discharge all or some of their trade effluent between the hours of 8pm & 7am.

3 Control and Monitoring

3.1 The Licensee shall clearly label, 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 Uisce Éireann upon request.

3.3 The Licensee shall ensure that sampling and analysis for all parameters listed in the Schedules to this licence shall be undertaken by competent staff in accordance with documented operating procedures.

3.4 The Licensee shall ensure that sampling and analysis shall be carried out in accordance with CEN standards. If CEN standards are not available, ISO, national/international standards (or methods as agreed with Uisce Éireann) that will ensure the provision of data of an equivalent scientific quality shall apply.

3.5 The Licensee shall provide and maintain a 24 hour Flow Proportionate Composite Sampler for the purpose of taking representative samples and shall 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.

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

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 Any equipment used for monitoring discharges shall be calibrated in accordance with the manufacturers' recommendations and records of such calibrations shall be submitted to Uisce Éireann 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 Uisce Éireann for the purposes of assessing the effects of the trade effluent on:

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

3.10 The licensee shall undertake a desktop assessment and subsequent screening of trade effluent generated as a result of onsite activities for priority substances, priority hazardous substances and watchlist substances as listed in Tables 11, 12 & 13 of S.I. No. 272/2009 – EC Environmental Objectives (Surface Waters) Regulations 2009, as amended. A report on the assessment and screening shall be submitted to Uisce Éireann within twelve months of the date of grant of this licence.

The licensee shall ensure that where substances are identified as being present in the trade effluent, measures are taken to reduce, eliminate or phase out their emission as required and each are assessed against risks posed to the biological processes at the receiving Uisce Éireann wastewater treatment plant (D0059-01) and the sludge generated at the plant. The licensee shall also ensure that identified substances are assessed against potential risks to public health and the whole aquatic environment. The environmental assessment shall specifically assess resultant concentrations of substances in the receiving environment against their applicable environmental quality standards (EQS) and environmental objectives established by S.I. No. 272/2009.

Subsequent desktop assessments, screenings and reports shall be repeated at intervals commensurate with changes to the characteristics of trade effluent as a result of the use of new raw materials (including cleaning/inactivation chemicals) in manufacturing processes onsite or as requested by Uisce Éireann.

4 Notifications, Records and Reports

4.1 The Licensee shall keep records in such a form as Uisce Éireann 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 shall be submitted to the Licence Reporting Contacts, as set out on the final page of this licence. Each report shall include, as the minimum, the following information:

- All monitoring results for the reporting period including certificates of analysis
- Discharge volumes
- Discharge rates
- Details of any non-compliances
- Reasons for non-compliance
- Proposals for prevention of a recurrence of the non-compliance and
- Maintenance details or upgrades to any onsite effluent treatment systems.

4.2 The Licensee shall keep records in such a form as Uisce Éireann may require of all calibrations and maintenance operations (including desludging of the effluent treatment system) required as a result of the licensed activity.

4.3 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.

4.4 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.

4.5 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 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 Uisce Éireann and submitted upon request.

4.6 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 Uisce Éireann or submitted electronically to Uisce Éireann upon request.

4.7 The Licensee shall immediately report any incident to Uisce Éireann 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:

- is a breach of emission limits to sewer;
- would constitute a danger to sewer maintenance personnel working in the wastewater network or treatment plant;
- would be injurious to the construction of the wastewater network or treatment plant;
- would be detrimental to the ultimate receiving environment or ecosystem;
- would interfere with the operations of the downstream wastewater treatment plant and supporting infrastructure; or,
- 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 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.

5.2 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 (ELV's) 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 Uisce Éireann based on operational experience.

5.3 The Licensee shall install and maintain any settlement tanks, oil separators, interceptors, 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 (ELV's) 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 Uisce Éireann based on operational experience.

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

5.5 The final trade effluent generated onsite shall pass through appropriately sized screening before discharge to sewer so as to remove gross solids.

6 Financial Charges and Provisions

6.1 The Licensee shall pay amounts as may be determined by Uisce Éireann 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 Uisce Éireann having regard for any compliance monitoring conducted by Uisce Éireann 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.

LICENCE NO.: TE-10455-02

Schedule A

Discharge Point Reference No.	SEI					
Parameter	Emission Limit Values*					
Flow Rate (Max.)	24 m ³ /day					
Flow Rate (Ave.**)	13 m ³ /day					
Flow Rate	3 m ³ /hour					
pH	6 - 10 pH units					
Temperature	35 °C					
Toxicity	10 T.U.'s					
	Concentration (24 Hr. Composite Sample)		Max Load		Average Load (**)	
BOD, 5 days with Inhibition (Carbonaceous BOD)	14800	mg/l	140	Kg/day	90	Kg/day
COD-Cr	27000	mg/l	400	Kg/day	165	Kg/day
Suspended Solids	1800	mg/l	27.5	Kg/day	10	Kg/day
Fats, Oils & Greases	1000	mg/l	16	Kg/day	4	Kg/day
Total Nitrogen	500	mg/l	1.25	Kg/day	3	Kg/day
Total Phosphorus (as P)	45	mg/l	0.5	Kg/day		
Zinc - unfiltered	2	mg/l	0.05	Kg/day		
Cadmium - unfiltered	0.05	mg/l	0.001	Kg/day		
Lead - unfiltered	0.02	mg/l	0.001	Kg/day		
Mercury - unfiltered	0.002	mg/l	0.001	Kg/day		

*Note: Representative Samples (with the exception of Flow (Continuous), pH (Grab Sample) and Temperature (Grab Sample)) shall be taken on a 24 hour flow proportionate composite sampling basis. Under certain circumstances, in agreement with Irish Water, a composite sample representing one shift, or a complete cycle of a periodic operation, may be acceptable. **Note: Daily averages shall be complied with on a weekly basis.

LICENCE NO.: TE-10455-02

Schedule B

Discharge Point Reference No.	SE1	
Parameter	Monitoring Frequency*	Methodology
Flow Rate	Continuous	As per Condition 2.3.
pH	Monthly	As per Conditions 3.3. & 3.4.
Temperature	Monthly	As per Conditions 3.3. & 3.4.
BOD, 5 days with Inhibition (Carbonaceous BOD)	Monthly	As per Conditions 3.3. & 3.4.
COD-Cr	Monthly	As per Conditions 3.3. & 3.4.
Suspended Solids	Monthly	As per Conditions 3.3. & 3.4.
Fats, Oils & Greases	Monthly	As per Conditions 3.3. & 3.4.
Total Nitrogen	Monthly	As per Conditions 3.3. & 3.4.
Total Phosphorus (as P)	Monthly	As per Conditions 3.3. & 3.4.
Sulphate	Monthly	As per Conditions 3.3. & 3.4.
Chloride	Monthly	As per Conditions 3.3. & 3.4.
Anionic surfactants / Detergents (MBAs)	Monthly	As per Conditions 3.3. & 3.4.
Cadmium - filtered	Monthly	As per Conditions 3.3. & 3.4.
Zinc - filtered	Monthly	As per Conditions 3.3. & 3.4.
Lead - filtered	Monthly	As per Conditions 3.3. & 3.4.
Mercury - filtered	Monthly	As per Conditions 3.3. & 3.4.
Metals & Organic Compounds	Once off and as requested**	As per Conditions 3.3, 3.4 & 3.10.
Respirometry	As Requested	As per Conditions 3.3. & 3.4.
Toxicity	As Requested	As per Conditions 3.3. & 3.4.

* 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. ** Note: Relevant Priority substances, Priority Hazardous substances and Watchlist substances (as per relevant Tables set out S.I. No. 272/2009 - European Communities Environmental Objectives (Surface Waters) Regulations 2009 – 2019, as amended) in trade effluent generated as a result of onsite activities.

LICENCE NO.: TE-10455-02

Licence Reporting Contact details:

Email: TER@water.ie

Telephone: 1850 278 278

Uisce Éireann

PO Box 860

South City Delivery Office

Cork City

Licence Reporting Contact details:

Name:

Email:

Address:

(Acting for and on behalf of Uisce Éireann)

Incident Reporting Contact details:

Telephone: 1850 278 278

Uisce Éireann

PO Box 860

South City Delivery Office

Cork City