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Waste Water Discharge Licence

Licence Register Number:	D0034-02
Licensee:	Uisce Éireann
Company Registration Number:	530363
Agglomeration:	Greater Dublin Area

Environmental Protection Agency
An Ghníomhaireacht um Chaomhnú Comhshaoil

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EUROPEAN UNION (WASTE WATER DISCHARGE) REGULATIONS 2007 to 2020

WASTE WATER DISCHARGE LICENCE

Decision of Agency, under Regulation 28(1) of the European Union (Waste Water Discharge) Regulations 2007 to 2020.

Reference Number: D0034-02

The Agency in exercise of the powers conferred on it by the Waste Water Discharge (Authorisation) Regulations 2007, as amended, for the reasons hereinafter set out, hereby grants this Waste Water Discharge Licence to Uisce Éireann, as by virtue of Section 17(4) of the Water Services (No. 2) Act 2013 the relevant application is deemed to have been made by Uisce Éireann, in respect of the agglomeration as specified in *Part 1 Schedule of Discharges Licensed* of the attached licence subject to Conditions, as set out in the schedules attached hereto.

The licence authorises the discharge of waste water from the waste water works which services the agglomeration described below subject to conditions.

A copy of the Decision is attached.

Licensed Discharges, in accordance with the Second Schedule of the European Union (Waste Water Discharge) Regulations 2007 to 2020

Discharges from agglomerations with a population equivalent of more than 10,000

GIVEN under the Seal of the Agency this 28th day of May, 2024

PRESENT when the Seal of the Agency was affixed hereto:

Tara Gillen

Tara Gillen, Authorised Person

INTRODUCTION

This introduction is not part of the licence and does not purport to be a legal interpretation of the licence.

This licence authorises the waste water discharges from the waste water works serving the Greater Dublin Area Agglomeration.

The Greater Dublin Area Agglomeration (which includes Dublin City and County, parts of counties Kildare and Meath) is served by a collection system of approximately 3,000km and one Waste Water Treatment Plant (WWTP) at Ringsend, located at NGR 320155E, 233586N. The Ringsend WWTP provides over 40% of Ireland's waste water treatment capacity and is the largest in Ireland.

The final treated effluent (primary discharge) discharges into the Lower Liffey Estuary, via a weir located approximately 1km from the facility at NGR 321073E, 233814N. There are waste water discharges from 386 storm water overflows (some of which are dual functioning i.e. storm water overflows and emergency overflows) from the waste water works.

The upgraded WWTP will treat waste water for up to 2.4 million p.e. and will comply with the treatment requirements of the Urban Waste Water Treatment Directive and Water Framework Directive. Upgrades to the network are required to prevent and reduce pollution from storm water overflows.

The licence sets out in detail the conditions under which Uisce Éireann will control and manage the waste water discharges from the agglomeration covered by this licence.

The licence requires appropriate remedial action, within specified timeframes, to be undertaken in order to address each of the discharge locations within the agglomeration. This remedial action will ensure that appropriate protection is afforded to the receiving water environment.

The legislation governing this licence relates specifically to, and is restricted to, the regulation and control of waste water discharges from the agglomeration. Therefore any odour or noise issue that may be associated with the waste water works including the treatment plant cannot be addressed by this licence.

By virtue of Section 17(4) of the Water Services (No. 2) Act 2013, the application for this licence is deemed to have been made by Uisce Éireann and this licence is granted to Uisce Éireann.

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GLOSSARY OF TERMS

All terms in this licence should be interpreted in accordance with the definitions in the European Union (Waste Water Discharge) Regulations 2007 to 2020, unless otherwise defined in this section.

AER	Annual Environmental Report.
Agglomeration	An area where the population or economic activities or both are sufficiently concentrated for a waste water works to have been put in place.
Agreement	Agreement in writing.
Annually	At least one measurement in any one year.
Application	The application for this licence.
Attachment	Any reference to Attachments in this licence refers to attachments submitted as part of the licence application.
Bi-monthly	At approximately two – monthly intervals.
BOD	5 day Biochemical Oxygen Demand (without nitrification suppression).
cBOD	5 day Carbonaceous Biochemical Oxygen Demand (with nitrification suppression).
CEN	Comité Européen De Normalisation – European Committee for Standardisation.
COD	Chemical Oxygen Demand.
Combined Approach	In relation to a waste water works, means the control of discharges and emissions to waters whereby the emission limits for the discharge are established on the basis of the stricter of either or both, the limits and controls required under the Urban Waste Water Regulations, and the limits determined under statute or Directive for the purpose of achieving the environmental objectives established for surface waters, groundwater or protected areas for the water body into which the discharge is made.
Competent Laboratory	A testing facility meeting the general management and technical requirements of EN ISO/IEC-17025 standard, or other equivalent standards accepted at international level and utilising methods of analysis, including laboratory, field, and on-line methods, which are validated and documented in accordance with the above standard(s) for the specific tests.
Daily	During all days when discharges are taking place; with at least one measurement/observation per day.

Day	Any 24 hour period.
Discharge Limits	Those limits, specified for a particular parameter in *Schedule A: Discharges & Discharge Monitoring*, of this licence.
Discharge Point	The point from which a waste water discharge occurs.
DO	Dissolved oxygen.
Documentation	Any report, record, result, data, drawing, proposal, interpretation or other document, in written or electronic form, that is required by this licence.
DoECLG	Department of the Environment, Community and Local Government.
Domestic Waste Water	Waste water from residential settlements and services that originates predominantly from human metabolism and from household activities.
Drawing	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.
ELV	Emission Limit Value.
Environmental Damage	As defined in Directive 2004/35/EC.
Environmental Pollution	Means, in relation to waste water discharges, the direct or indirect introduction, as a result of human activity, of waste water discharges, substances (including any explosive, liquid or gas) or polluting matter (including any poisonous or noxious matter) into waters which may endanger human health or harm the aquatic environment, and in particular: (i) create a risk to waters, sediment, plants or animals; (ii) deleteriously interfere with the quality of aquatic ecosystems or terrestrial ecosystems directly depending on aquatic ecosystems including by: • rendering those or any other waters poisonous or injurious to fish, shellfish, spawning grounds or the food of any fish; or • impairing the usefulness of the bed and soil of any waters as spawning grounds or impairing their capacity to produce the food of fish or shellfish; (iii) impair or interfere with amenities and other legitimate uses of the water; or (iv) result in water failing to meet any environmental quality standards prescribed in regulations for the purposes of giving effect to the requirements of any Directive relating to the quality or use of water for the time being in force.

EPA	Environmental Protection Agency.
Incident	The following shall constitute an incident for the purposes of this licence: (i) any discharge that does not comply with the requirements of this licence; (ii) any discharge or occurrence with the potential for environmental contamination of surface water or groundwater, or posing an environmental threat to land, or requiring an emergency response by the licensee and/or the relevant authorities; (iii) an exceedance of the p.e. limit specified in this licence; and (iv) any exceedance of an established ambient monitoring trigger level.
Industrial Waste Water	Any waste water that is discharged from premises used for carrying on any trade or industry or other non-domestic use and excludes run-off rain water.
Licensee	Uisce Éireann, Colvill House, 24/26 Talbot Street, Dublin 1, Company Register Number 530363, as by virtue of Section 17(4) of the Water Services (No. 2) Act 2013, the application for this licence is deemed to have been made by Uisce Éireann and this licence is granted to Uisce Éireann.
Licensing Regulations	European Union (Waste Water Discharge) Regulations 2007 to 2020.
Local Authority	Dublin City Council, Fingal County Council, South Dublin County Council, Dun Laoghaire Rathdown County Council, Meath County Council and Kildare County Council.
Maintain	Keep equipment, plant and infrastructure in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to perform its function.
Mass Flow Limit	An emission limit value expressed as the annual average mass of a parameter that can be emitted.
Mean	The arithmetic mean.
Monthly	A minimum of 12 times per year, at intervals of approximately one month.
National Environmental Complaints Procedure	As established under the National Environmental Enforcement Network.
Population Equivalent	A measurement of organic biodegradable load and a population equivalent of 1 (1 p.e.) means the organic biodegradable load having a five-day biochemical oxygen demand (BOD5) of 60g of oxygen per day; the load being calculated on the basis of the maximum average weekly

	load entering the waste water works during the year, excluding unusual situations such as those due to heavy rain.
Priority Substances	Those substances, or groups of substances, identified in accordance with Article 16(2) of the Water Framework Directive and listed in Annex I of Priority Substances Directive 2013/39/EU, for which measures have to be taken in accordance with Articles 16(1) and 16(8) of the Water Framework Directive.
Primary Discharge	The discharge with the largest volume being discharged from the waste water works.
Primary Treatment	Treatment of urban waste water by a physical and/or chemical process involving settlement of suspended solids, or other processes in which the BOD5 of the incoming waste water is reduced by at least 20% before discharge and the total suspended solids of the incoming waste water are reduced by at least 50%.
Protected Areas	Areas designated as requiring special protection under specific Community legislation for the protection of their surface water and groundwater or for the conservation of habitats and species of European sites directly dependant on water and listed in the register established by the Agency in accordance with Article 8 of the Water Policy Regulations.
PRTR	Pollutant Release and Transfer Register.
RBMP	River Basin Management Plan
SAC	Special Area of Conservation designated under the *Habitats Directive,* Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora.
Sample(s)	Unless the context of this licence indicates to the contrary, the term sample(s) shall include measurements taken by electronic instruments.
Secondary Discharge	A potential, occasional or continuous discharge from the waste water works other than a primary discharge or a storm water overflow.
SPA	Special Protection Area designated under the *Birds Directive*, Directive 2009/147/EC of the European Parliament and of the Council of 30 November 2009 on the conservation of wild birds.
Specified Discharges	Those discharges listed in *Schedule A: Discharges & Discharge Monitoring*, of this licence.
Standard Method	A relevant CEN, ISO, National, or other internationally recognized test procedure such as detailed in the current edition of "Standard Methods for the Examination of Water and Waste Water" (published jointly by A.P.H.A. / A.W.W.A. / W.E.F.), a documented and validated in-house procedure based on the above sources that will ensure the

	provision of data of an equivalent scientific quality, or an alternative method as may be agreed with the Agency.
Storm Water Overflow (SWO)	A structure or device on a sewerage system designed and constructed for the purpose of relieving the system of excess flows that arise as a result of rain water or melting snow in the sewered catchment, the excess flow being discharged to receiving waters.
The Agency	Environmental Protection Agency.
Unusual Weather Conditions	In relation to waste water discharges unusual weather conditions, means any one or combination of the following: (i) heavy rainfall >50 mm in 24 hrs, >40 mm in 12 hrs, >30 mm in 6 hrs (i.e. Met Eireann Orange Alert criteria or greater); (ii) low ambient temperatures as evidenced by effluent temperature of 5° C or less or by the freezing of mechanical equipment in the works; (iii) significant snow deposits; (iv) tidal or fluvial flooding; or (v) weather conditions causing unforeseen loss of power supply to the waste water treatment plant which could not be ameliorated by the reasonable provision and operation of standby generation facilities.
Waste Water	Domestic waste water or the mixture of domestic waste water with industrial waste water.
Waste Water Works	Sewers and their accessories (or any part thereof) and all associated structural devices, including waste water treatment plants, which are owned by, vested in, controlled or used by the licensee for the collection, storage, treatment or discharge of waste water.
Water Services Authority	Dublin City Council, Fingal County Council, South Dublin County Council, Dun Laoghaire Rathdown County Council, Meath County Council and Kildare County Council.
Weekly	During all weeks when discharges are taking place; with at least one measurement in any one week.
WWTP	Waste Water Treatment Plant.

DECISION AND REASONS FOR THE DECISION

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of this licence, any discharges from the agglomeration served by the waste water works will comply with and will not contravene any of the requirements of Regulation 6 of the European Union (Waste Water Discharge) Regulations 2007 to 2020.

The Agency also considers that the waste water discharges will not adversely affect the integrity of any European Site, and has decided to impose conditions for the purposes of ensuring they do not do so. It has determined that the waste water discharges, if managed, operated and controlled in accordance with the licence, will not have any adverse effect on the integrity of any of those sites.

The Agency has accordingly decided to grant a licence to Uisce Éireann to carry on the waste water discharges listed in *Part I: Schedule of Discharges Licensed*, subject to the conditions set out in *Part II: Conditions*; such licence to take effect in lieu of Licence Register Number: D0034-01.

In reaching this decision the Agency has had regard to the requirements and objectives of the European Union (Waste Water Discharge) Regulations 2007 to 2020 and has considered the documentation relating to the existing licence Register Number: D0034-01, the review application Register Number: D0034-02, the supporting documentation received from the applicant, the submissions received and the Inspector's Report dated 8 May 2024, and has carried out an Environmental Impact Assessment (EIA) and an Appropriate Assessment of the likely significant effects of the authorised waste water discharges on European Sites.

It is considered that the Inspector's Report contains a fair and reasonable examination, evaluation and analysis of the likely significant effects of the waste water discharges on the environment, and adequately and accurately identifies, describes and assesses those effects. The assessment as reported in those documents is adopted as the assessment of the Agency.

Having regard to the examination of environmental information contained above, and in particular to the content of the EIAR and supplementary information provided by the licensee, and the submissions from the planning authority/authorities and third parties in the course of the application, it is considered that the potential significant direct and indirect effects on the environment, in so far as they relate to the risk of environmental pollution of the receiving waters from the waste water discharge concerned, are as follows:

- Waste water discharges from the primary discharge point to the Lower Liffey Estuary WFD Code: IE_EA_090_0300;
- Waste water discharges from storm water overflows to waterbodies as detailed in Table 6 of the Inspector's Report;
- Unintended waste water discharges from emergency overflows or as a result of plant failure.

There is the potential for accidents and emergency situations arising at a waste water works resulting in partially treated or untreated waste waters discharging to the receiving waters. Such incidents or events could lead to the breach of ELVs and the discharge of elevated levels of polluting organic matter, which would have the potential to impact on receiving water environment.

Having assessed the potential effects, the Agency has concluded as follows:

- The waste water is required to be treated prior to discharge to tertiary treatment (N & P removal) level, and UV disinfection during the bathing season.
- The proposal to upgrade the waste water treatment plant and network upgrades will result in a reduction in the pollutant load on receiving waters.

- The ELVs for the primary discharge have been established in accordance with the combined approach and will comply with the treatment requirements of the Urban Waste Water Treatment Directive and contribute to the attainment of environmental objectives for the receiving water established under the Water Framework Directive.
- Conditions attached to the licence require discharges from SWOs to receiving water bodies to comply with the DoECLG 'Procedures and Criteria in Relation to Storm Water Overflows', 1995 to prevent and reduce pollution from waste water discharges.
- A condition attached to the licence requires the licensee to take such measures as necessary to ensure that no deterioration in the quality of the receiving water shall occur as a result of the discharge.
- Conditions attached to the licence require measures to prevent and limit the consequences of unintended discharges.
- Conditions attached to the licence specify controls and monitoring of discharges and the receiving water.

The Agency is satisfied that the reasoned conclusion on the significant effects on the environment of the development is up to date.

Having regard to the effects (and interactions) identified, described and assessed throughout the Inspector's Report, it is considered that the monitoring, mitigation and preventative measures proposed will ensure that the discharges from the waste water works serving the agglomeration do not result in environmental pollution, subject to compliance with this licence.

A screening for Appropriate Assessment was undertaken to assess, in view of best scientific knowledge and the conservation objectives of the site, if the waste water discharges individually or in combination with other plans or projects are likely to have a significant effect on any European Site. In this context, particular attention was paid to the European Sites at South Dublin Bay and River Tolka Estuary SPA, South Dublin Bay SAC, North Bull Island SPA, North Dublin Bay SAC, Howth Head Coast SPA, Howth Head SAC, Dalkey Islands SPA, and Rockabill to Dalkey Island SAC.

The waste water discharges are not directly connected with or necessary to the management of any European Site and the Agency considered, for the reasons set out below, that it cannot be excluded, on the basis of objective information, that the waste water discharges individually or in combination with other plans or projects, will have a significant effect on any European Site and accordingly determined that an Appropriate Assessment of the waste water discharges was required, and for this reason determined to require the applicant to submit a Natura Impact Statement.

This determination has been made in light of the potential for South Dublin Bay and River Tolka Estuary SPA (Site Code: 004024), South Dublin Bay SAC (Site Code: 000210), North Bull Island SPA (Site Code: 004006), North Dublin Bay SAC (Site Code: 000206), Rockabill to Dalkey Island SAC (Site Code: 003000), Howth Head Coast SPA (Site Code: 004113) and Dalkey Islands SPA (Site Code: 004172). The waste water discharges (primary discharge and discharges from storm water overflows and emergency overflows) are located either adjacent to or within 10km of the European Sites and are hydrologically connected with the qualifying interests of the sites.

A Natura Impact Statement (NIS) was received by the Agency on 22 May 2023. An addendum NIS was received by the Agency on 13 October 2023.

The EPA was notified on 12 July 2023 by the Department of Housing, Local Government and Heritage of the Minister's intention to designate a new European site, namely the North-west Irish Sea candidate Special Protection Area (Site Code: 004236). The North-west Irish Sea SPA is approximately 2km from the primary discharge point. The North-west Irish Sea SPA is included in the Appropriate Assessment undertaken for this licence application.

The Agency has completed the Appropriate Assessment of potential impacts on these sites and has made certain, based on best scientific knowledge in the field and in accordance with the

European Communities (Birds and Natural Habitats) Regulations 2011 as amended, pursuant to Article 6(3) of the Habitats Directive, that the waste water discharges, individually or in combination with other plans or projects, will not adversely affect the integrity of any European Site, in particular those listed above, having regard to their conservation objectives and will not affect the preservation of these sites at favourable conservation status if carried out in accordance with this licence and the conditions attached hereto for the following reasons:

- The waste water required to be treated prior to discharge by tertiary treatment (N & P removal), and UV disinfection during the bathing season.
- The proposal to upgrade the waste water treatment plant and network upgrades will result in a reduction in the pollutant load on receiving waters.
- The ELVs for the primary discharge have been established in accordance with the combined approach and will not compromise the achievement of environmental objectives for the receiving water.
- Conditions attached to the licence require discharges from storm water overflows to comply with the criteria for storm water overflows, as set out in the DoECLG '*Procedures and Criteria in Relation to Storm Water Overflows*', 1995.
- A condition attached to the licence requires the licensee to take such measures as necessary to ensure that no deterioration in the quality of the receiving water shall occur as a result of the discharge.
- Conditions attached to the licence specify controls and monitoring of waste water discharges.
- Conditions attached to the licence require measures to prevent and limit the consequences of unintended discharges.

The Agency is satisfied that no reasonable scientific doubt remains as to the absence of adverse effects on the integrity of those European Sites listed above.

PART I: SCHEDULE OF DISCHARGES LICENSED

In pursuance of the powers conferred on it by the European Union (Waste Water Discharge) Regulations 2007 to 2020, the Environmental Protection Agency (the Agency), under Regulation 28(1) of the said Regulations grants this Waste Water Discharge Licence Review to Uisce Éireann, Colvill House, 24/26 Talbot Street, Dublin 1, Company Register Number 530363. The licence authorises the discharge of waste water from the waste water works servicing the Greater Dublin Area agglomeration (formerly known as Ringsend) described below, subject to conditions listed in Part II, with the reasons therefore and the associated schedules attached thereto.

Licensed Discharges, in accordance with the Second Schedule of the European Union (Waste Water Discharge) Regulations 2007 to 2020

Discharges from agglomerations with a population equivalent of more than 10,000

PART II: CONDITIONS

Condition 1. Scope

1.1 Statutory Obligations

This licence is for the purposes of Waste Water Discharge licensing under the European Union (Waste Water Discharge) Regulations 2007 to 2020, only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.

1.2 The agglomeration served by the waste water works is indicated in *red* on Drawing titled "*Map 2 Agglomeration Plan*" of the application. The population equivalent of the agglomeration served by the waste water works must not exceed 2.4 million.

1.3 The discharges to waters from the waste water works shall be restricted to those listed and described in *Schedule A: Discharges & Discharge Monitoring*, of this licence and shall be as set out in the licence application or as modified under Condition 1.6 of this licence and subject to the conditions of this licence. There shall be no other discharges of environmental significance.

1.4 The discharges to waters from the waste water works shall be controlled and managed and shall take place as set out in this licence. All programmes required to be carried out under the terms of this licence become part of this licence.

1.5 For the purposes of this licence, the locations of the waste water discharges authorised by this licence are as presented in Attachment B.2.2 and updates to Attachment B.2.2 of the application.

1.6 No alteration to the waste water works or any part thereof that would, or is likely to, result in a material change to or increase in discharges sufficient to represent a risk of causing a breach of emission standards specified in the licence shall be carried out or commenced without prior notice to, and without the agreement of, the Agency.

1.7 Treatment Capacities

1.7.1 The licensee must, on an annual basis, undertake an assessment of the remaining organic and hydraulic treatment capacities within the waste water works (design capacity of plant, less flow-load calculation for representative period).

1.7.2 The licensee must maintain such available capacity within the waste water works as is necessary to ensure that there is no environmental risk posed to the receiving water environment as a result of the discharges.

1.7.3 Where the licensee determines, as part of those assessments undertaken in Condition 1.7.1 above, that the remaining treatment capacity will be exceeded within the ensuing three year period, the licensee must notify the Agency and seek a licence review, as appropriate.

1.8 This licence has been granted in substitution for licence granted to the licensee on 27 July 2010 (Register No.: D0034-01). The previous Waste Water Discharge Licence (Reg. No. D0034-01) is superseded by this revised licence. Where the Agency grants a revised licence, the previous licence or revised licence, as the case may be, applying to the discharge from the waste water works concerned, shall stand revoked.

1.9 For the purposes of this licence, the waste water treatment plant associated with the waste water works serving the agglomeration is located at grid reference E320155 N233586. The licensee must ensure that the waste water treatment plant provides at least tertiary treatment (Nitrogen & Phosphorus removal), and UV disinfection during the bathing season. The

treatment consists of preliminary treatment (screening and Fats, Oils & Grease (FOG) removal), primary treatment (settlement tanks), secondary treatment tanks with Aerobic Granular Sludge (AGS) technology, and tertiary treatment with Nitrogen and Phosphorus removal, sludge treatment, and storm water storage. The waste water works must include 104,505m^3 of storm water storage and standby pumps at all pumping stations.

Reason: To clarify the scope of this licence.

Condition 2. Interpretation

2.1 Emission limit values for discharges to waters in this licence shall be interpreted in the following way:

2.1.1 Continuous Monitoring

2.1.1.1 No pH value shall deviate from the specified range.

2.1.2 Composite Sampling

2.1.2.1 For cBOD and COD, no more than the relevant number of samples specified in *Schedule A.4: Interpretation of Discharge Monitoring Results* – Column 2 or Column 4, of this licence, shall exceed the concentration Emission Limit Value based on the number of samples taken as listed in *Schedule A.4: Interpretation of Discharge Monitoring Results* – Column 1 or Column 3, of this licence. No individual result similarly calculated shall exceed the emission limit value by more than 100%.

2.1.2.2 For Suspended Solids, no more than the relevant number of samples specified in *Schedule A.4: Interpretation of Discharge Monitoring Results* – Column 2 or Column 4, of this licence, shall exceed the concentration Emission Limit Value based on the number of samples taken as listed in *Schedule A.4: Interpretation of Discharge Monitoring Results* – Column 1 or Column 3, of this licence. No individual result similarly calculated shall exceed the emission limit value by more than 150%.

2.1.2.3 For parameters Total Phosphorus and Total Nitrogen, the annual mean of the samples shall not exceed the concentration emission limit value.

2.1.2.4 For parameters Total Phosphorus and Total Nitrogen, mass flow emission (kg/year) shall be calculated on the basis of the average of all concentrations sample results, multiplied by the average of all the daily flows measured over a calendar year. The value, so determined, shall not exceed the emission limit value.

2.1.3 Discrete Sampling

2.1.3.1 No cBOD or COD grab sample value shall exceed the concentration emission limit value by more than 100% and no Suspended Solids grab sample value shall exceed the concentration emission limit value by more than 150%. For all other parameters, except pH, cBOD, Total Phosphorus and Total Nitrogen, no grab sample value shall exceed the emission limit value by more than 20%.

2.2 No sample of the discharge taken at a time when unusual weather conditions are adversely affecting the operation of the waste water treatment plant, shall be taken into account in determining compliance with Condition 2.1 of this licence. A replacement sample shall be taken within 72 hours of cessation of the unusual weather conditions. The licensee must report the sample result including any justification of the basis for excluding the sample in the Annual Environmental Report.

2.3 On any occasion where unusual weather conditions affect the operation of the waste water works the licensee must use its best endeavours to mitigate the effect of the unusual weather conditions.

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

Condition 3. Discharges

3.1 No discharges from the waste water works are permitted save under and in accordance with this licence.

3.2 No specified discharge from the waste water works shall exceed the emission limit values set out in *Schedule A: Discharges & Discharge Monitoring*, of this licence, subject to the requirements of Condition 2 above.

3.3 The licensee must take such measures as are necessary to ensure that no deterioration in the quality of the receiving waters shall occur as a result of the discharge.

3.4 There shall be no discharge from the discharge point specified in *Schedule C.2: Discharges to be Discontinued,* of this licence, from the dates specified therein.

3.5 Storm Water Overflows

3.5.1 Storm water overflows shall be as specified in *Schedule A.3: Storm Water Overflows*, of this licence.

3.5.2 The licensee must carry out an investigation to identify any additional storm water overflows within the waste water works as part of the programme of improvements.

3.5.3 The Agency shall be notified of any additional storm water overflows not listed in *Schedule A.3: Storm Water Overflows*, of this licence.

3.5.4 All storm water overflows shall be in compliance with the criteria for storm water overflows, as set out in the DoECLG '*Procedures and Criteria in Relation to Storm Water Overflows*', 1995 and any other guidance as may be specified by the Agency.

3.5.5 Discharges from storm water overflows shall not cause environmental pollution.

3.6 The licensee must ensure that all or any of the following:

- gross solids
- litter

associated with discharges from the waste water works do not result in an impairment of, or an interference with, amenities or the environment.

Reason:	To provide for the protection of the receiving environment by way of control and limitation of discharges to the Lower Liffey Estuary. To provide for the protection of protected areas including designated bathing waters, nutrient sensitive area, SACs and SPAs with water dependent habitats & species by way of control and limitation of discharges to the marine environment.

Condition 4. Control and Monitoring

4.1 The licensee must carry out such sampling, analyses, measurements, examinations, maintenance calibrations and control techniques as set out below and in accordance with *Schedule A: Discharges & Discharge Monitoring*, of this licence and *Schedule B: Ambient Monitoring*, of this licence.

4.1.1 Analyses shall be undertaken by competent staff in accordance with documented operating procedures. Analysis for compliance purposes, including any sub-contracted analysis, shall be done by a competent laboratory.

4.1.2 Such procedures shall be assessed for their suitability for the test matrix and performance characteristics shall be determined.

4.1.3 Such procedures shall be subject to a programme of Analytical Quality Control, verified by a competent third party using control standards with evaluation of test responses.

4.1.4 Where any analysis is sub-contracted it shall be outsourced to a competent laboratory.

4.2 The licensee must ensure that:

4.2.1 sampling and analysis for all parameters listed in the Schedules to this licence; and

4.2.2 any reference measurement methods to calibrate automated measurement system

shall be carried out by an appropriate Standard Method.

4.3 The licensee must 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.

4.4 All automatic monitors and samplers shall be functioning at all times (except during maintenance and calibration) when the discharges are being made 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. Agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.

4.5 Monitoring and analysis equipment shall be operated and maintained as necessary so that monitoring accurately reflects the discharge (or ambient conditions where that is the monitoring objective).

4.6 The licensee must clearly label and provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency.

4.7 The licensee must ensure that a person in charge or a nominated deputy shall be available to meet with authorised person(s) of the Agency at all reasonable times and shall allow access to the waste water works or other premises that the Agency reasonably considers may contain information pertaining to a discharge from those works.

4.8 The licensee must maintain corrective action procedures. In the event of an incident and/or should the specified requirements of this licence not be fulfilled, the licensee must take corrective action as soon as practicable.

4.9 The licensee must maintain a programme for maintenance and operation of all plant and equipment to ensure that no unauthorised waste water discharges take place. This programme shall be based on the instructions issued by the manufacturer/supplier or

installer of the equipment. Appropriate record keeping and diagnostic testing shall support this maintenance programme. The licensee must clearly allocate responsibility for the planning management and execution of all aspects of this programme to appropriate personnel.

4.10 The location, frequency, methods and scope of monitoring, sampling and analyses, as set out in this licence, may be amended with the agreement of the Agency following evaluation of test results.

4.11 Priority Substances

4.11.1 Monitoring for specific pollutants and priority substances must be carried out at least annually.

4.11.2 The licensee must take such measures as are necessary to reduce or eliminate priority substances in the discharge(s). Implementation of the measures identified shall be reported on in the Programme of Improvements (required under Condition 5.1).

4.11.3 The licensee must investigate the sources of any priority substances detected during the monitoring of discharges, that would be likely to give rise to exceedances of the relevant standards set in the European Communities Environmental Objectives (Surface Waters) Regulations, 2009, as amended.

4.12 Pollutant Release and Transfer Register (PRTR)

4.12.1 The licensee must prepare a PRTR report for the primary discharges. The substances to be included in the PRTR report shall be determined by the licensee in accordance with the requirements of EC Regulation No. 166/2006 concerning the establishment of the European Pollutant Release and Transfer Register and amending Council Directives 91/689/EEC and 96/61/EC and using scientific evidence.

4.12.2 The licensee must prepare and implement a discharge monitoring and analysis programme to support the PRTR report. The monitoring and analysis programme shall be adequate to ensure that the licensee can demonstrate that the submitted PRTR data:

- is representative and characteristic of the plant discharges, and
- quantifies the scale of the annual discharge of pollutants.

4.12.3 The PRTR report shall be submitted electronically in a specified format by the prescribed date annually.

4.13 The licensee must maintain a Data Management System for collation, archiving, assessing and graphically presenting the monitoring data generated as a result of this licence.

4.14 The licensee must carry out weekly monitoring of the influent stream to the waste water treatment plant for cBOD; COD; Suspended Solids; Total Nitrogen; Total Phosphorus, in order to measure the mass loadings and removal efficiencies within the treatment plant.

4.15 Prior to submitting ambient monitoring data, the licensee must consult with the Agency with regard to the appropriate format for submittal.

4.16 Where such ambient monitoring results are available from any other statutory body, including the Agency, the licensee may submit those results in fulfilment of the requirements of *Schedule B: Ambient Monitoring*, of this licence.

4.17 Trigger Levels

4.17.1 The licensee must, within twelve months of grant of the licence, establish and submit to the Agency for approval, trigger levels for use in assessing ambient monitoring carried out in accordance with *Schedule B: Ambient Monitoring*, of this licence. Trigger levels must be established for parameters BOD, Dissolved

Inorganic Nitrogen and Ortho-Phosphate (as PO4) in *Schedule B.2: Receiving Water Monitoring,* of this licence.

4.17.2 The trigger levels may be revised, with the approval of the Agency, following evaluation of ambient monitoring data.

4.17.3 The licensee must establish, maintain and implement a response programme to address any exceedance of the trigger level.

4.18 The licensee must maintain a composite sampler on monitoring points listed in *Schedule A.1: Primary Waste Water Discharge and Monitoring,* of this licence. All samples thereafter shall be collected on a 24-hour flow proportional or time based composite sampling basis.

4.19 In the case of composite sampling of discharge(s) from the waste water works, a separate composite sample or homogeneous sub-sample (of sufficient volume as advised by the Agency) shall be refrigerated immediately after collection and retained as required for Agency use.

4.20 The licensee must record the total effluent volume discharged over the 24-hour period in which any composite sample is collected.

4.21 The licensee must provide an annual statement as to the measures taken or adopted to minimise environmental damage associated with discharges or overflows from the waste water works following anticipated events or accidents/incidents.

4.22 The licensee must, on an annual basis, determine the population equivalent (p.e.) of the agglomeration served by the waste water works. The p.e., along with the method used in its determination, must be reported in the AER. Any exceedance of the p.e. limit as stated in Condition 1.2 is considered an incident and must be reported to the Agency.

4.23 The licensee must ensure that the UV disinfection system is operated to the designed disinfection efficiency at all times when in operation. The system shall be operated during the bathing water season unless otherwise agreed by the Agency.

4.24 Climate Change Adaptation Plan

4.24.1 The licensee must prepare and submit a comprehensive climate change adaptation plan which addresses risks posed by climate change and addresses, as a minimum, the following:

a. how the waste water works has or could be affected by severe weather;

b. the scale of the impact of severe weather on the operations of the waste water works;

c. an assessment of the latest river flow projections, and agreed standardised future climate projections; and

d. action plan, along with timetable for implementation, for improvements/adaptations to be made to minimise the impact of severe weather on the waste water works.

4.24.2 The climate change adaptation plan must be submitted to the Agency within 24 months of the date of grant of the licence. The plan must be reviewed as necessary to reflect any relevant significant changes, and in any case every three years.

4.24.3 An annual report on the implementation of the climate change adaptation plan, including the success in meeting targets must be prepared and submitted as part of the AER.

4.25 In the event of an incident or other malfunction of critical equipment, alarm activation must trigger a notification to the licensee as soon as practicable.

Reason:	To provide for the protection of the receiving environment by way of control and monitoring of discharges.

Condition 5. Programmes of Improvements

5.1 The licensee must, as a part of the second AER (required under Condition 6.8), prepare and submit to the Agency a programme of improvements to maximise the effectiveness and efficiency of the waste water works in order to:

5.1.1 achieve improvements in the quality of all discharges from the works;

5.1.2 meet the emission limit values specified in *Schedule A: Discharges & Discharge Monitoring*, of this licence;

5.1.3 give effect to Regulation 2 of the European Union (Waste Water Discharge) Regulations 2007 to 2020;

5.1.4 reduce Total Phosphorus loadings in the discharge to the maximum practicable extent;

5.1.5 reduce Total Nitrogen loadings in the discharge to the maximum practicable extent;

5.1.6 meet the obligations of Condition 1.7; and

5.1.7 identify measures to minimise any environmental damage associated with discharges or overflows from the waste water works following anticipated events or accidents/incidents.

5.2 The programme of improvements referred to in Condition 5.1 shall include an assessment of:

5.2.1 The waste water treatment plant, having regard to the effectiveness of the treatment provided by reference to the following:

- the existing level of treatment, capacity of treatment plant and associated equipment;
- the emission limit values specified in *Schedule A: Discharges & Discharge Monitoring*, of this licence;
- designations of the receiving water body;
- water quality objective for the receiving water body;
- the standards and volumetric limitations applied to any industrial waste water that is licensed to discharge to the waste water works.

5.2.2 The integrity of the waste water works having regard to:

- capacity of the waste water works;
- leaks from the waste water works;
- infiltration by surface water;
- infiltration by groundwater;
- infiltration by sea-water;
- such other aspects of the works as may be specified by the Agency.

5.2.3 All storm water overflows associated with the waste water works to determine the effectiveness of their operation and in particular to identify improvements necessary to comply with the requirements of this licence.

5.3 Review the Operation and Maintenance Programme required by Condition 4.9 as part of the assessments required under Conditions 5.2.1 to 5.2.3 to prevent incidents associated with discharges from the waste water works.

5.4 The programme of improvements must include a plan for implementation for each individual improvement identified. The plan for implementation shall in the case of the assessment carried out under Condition 5.2:

5.4.1 identify, evaluate and describe the works necessary to implement those works listed under *Schedule C: Specified Improvement Programme*, of this licence;

5.4.2 clearly identify and describe the improvement and the timeframe for implementation;

5.4.3 specify the parametric emission(s) that will be affected by the implementation of the improvement; and

5.4.4 identify the anticipated improvements in the quality of the receiving waters as a result of the implementation of the improvement.

5.5 The licensee, by the date specified in Table C.1, must complete the improvements as set out in *Schedule C: Specified Improvement Programme*, of this licence.

5.6 The licensee must maintain a programme of measures for the gathering, recording and retention of information in relation to the infrastructural components of the waste water works. This information shall be in the form of "As-Constructed" drawings and electronic mapping tools, or in any other format as required by the Agency.

5.7 Storm water overflows

5.7.1 For the storm water overflows identified as non-compliant in *Schedule A.3: Storm Water Overflows,* of this licence and any additional Stormwater Overflows identified as non compliant, the licensee must develop and implement an improvement programme for agreement by the Agency, to achieve the requirements of *Schedule C: Specified Improvement Programme,* of this licence.

5.7.2 The licensee must complete the assessment of compliance with Condition 3.5.4 for all storm water overflows by 31st December 2026. The programme of assessment must prioritise areas of concern such as those listed as significant pressures under the WFD or posing a risk to bathing waters. For those identified as non-compliant the licensee must implement an improvement programme to the satisfaction of the Agency, to achieve the requirements of *Schedule C: Specified Improvement Programme,* of this licence.

5.7.3 The licensee must carry out improvement works at the following:

- West Pier pumping station and associated overflow,
- Ailesbury Road pumping station and associated overflow,
- Elm Park CSO/SWO

to achieve the requirements of *Schedule C: Specified Improvement Programme,* of this licence.

Reason: To provide for the improvement of the waste water works on a planned basis having regard to the need for on-going assessment, recording and reporting of matters affecting the receiving water environment.

Condition 6. Notifications, Records and Reports

6.1 The licensee must notify the Agency's headquarters in Wexford, or to such other Agency office, as soon as practicable after the occurrence of any incident (as defined in this licence). This notification shall be in such format as specified in Guidance to Licensees/COA holders on the Notification, Management and Communication of Environmental Incidents issued by the Agency and as a minimum shall include the following: the date, time, location, details, nature, cause, extent and ranking of the incident, details on any vulnerable receptors, corrective action taken and plans to prevent a reoccurrence, and the steps taken to minimise any discharges and to carry out any necessary environmental cleanup. The following shall also be notified, as soon as practicable after the occurrence of any incident:

6.1.1 Inland Fisheries Ireland; Department of Agriculture, Food and the Marine in the case of discharges to receiving waters;

6.1.2 the local authority, in the case of discharges to, or likely to impact on, designated bathing waters.

6.2 The licensee must record all complaints of an environmental nature related to the discharge(s) to waters from the waste water works in accordance with the national environmental complaints procedure. Each such record shall give details of the date and time of the complaint, the name of the complainant (if provided), and the nature of the complaint. A record shall also be kept of the response made in the case of each complaint.

6.3 The licensee must record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence.

6.4 The licensee must as a minimum keep the following documents at the headquarters of the licensee or such office as may be agreed by the Agency:

6.4.1 the licence application and all associated documentation;

6.4.2 the licence(s) relating to the discharge(s) to waters from the waste water works;

6.4.3 the previous year's AER;

6.4.4 records of all risk assessments, sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence and guidance produced by the Agency;

6.4.5 relevant correspondence with the Agency;

6.4.6 up to date drawings/plans showing the location of key process and environmental infrastructure, including monitoring locations and discharge points; and

6.4.7 up to date operational procedures for all monitoring and control equipment necessary to give effect to this licence.

This documentation shall be available to the Agency for inspection at all reasonable times and shall be submitted to the Agency, as required, in such a format as may be requested, including electronic submittal of the information or a summary of such information.

6.5 The licensee must ensure that a documented Emergency Response Procedure is in place, that addresses any emergency situation that may originate on-site. This procedure must include provision for minimising the effects of any emergency on the environment. This procedure must be reviewed annually and updated as necessary.

6.6 Public Awareness and Communications Programme

6.6.1 The licensee must maintain and implement a Public Awareness and Communications Programme to ensure that members of the public are informed,

and can obtain, at all reasonable times, environmental information relating to the discharges.

6.7 The licensee must submit report(s) electronically as required by the conditions of this licence to the Agency.

6.8 The licensee must submit to the Agency, by the 28th February of each year, an AER covering the previous calendar year. This report, which shall be to the satisfaction of the Agency, shall include as a minimum the information specified in *Schedule D: Annual Environmental Report*, of this licence and shall be prepared in accordance with any relevant guidelines issued by the Agency. The content of the AER may be revised subject to the agreement of the Agency.

6.9 All reports shall be certified accurate and representative by an employee of Uisce Éireann or a nominated, suitably qualified and experienced deputy.

6.10 The licensee must notify the Agency, as soon as is practicable, where a discharge from the waste water works has ceased permanently.

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

Condition 7. Financial Charges and Provisions

7.1 Agency Charges

7.1.1 The licensee shall pay to the Agency such sum, as the Agency from time to time determines, having regard to variations in the extent of reporting, auditing, inspection, sampling and analysis or other functions carried out by the Agency, towards the cost of monitoring the discharge as the Agency considers necessary for the performance of its functions under the European Union (Waste Water Discharge) Regulations 2007 to 2020. All such payments shall be made within one month of the date upon which demanded by the Agency.

7.1.2 In the event that the frequency or extent of monitoring, investigations or other functions carried out by the Agency needs to be increased, the licensee shall contribute such sums as determined by the Agency to defray its costs in regard to items not covered by the said annual contribution.

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

SCHEDULE A: DISCHARGES & DISCHARGE MONITORING

A.1: Primary Waste Water Discharge and Monitoring

A.1.1 Primary Waste Water Discharge(s)					
EDEN Code	Licence Code	Discharge Location	Monitoring Location	Receiving Water Name	WFD Code Receiving Water
TPEFF0700D0034SW001	SW001	E 321073 N 233814	E 320335 N 233396	Lower Liffey Estuary	IE_EA_090_0300

Discharge Emission Limit Values and Monitoring					
Parameter	Units	ELV	Monitoring Frequency	Sampling Method	Analysis Method / Technique
Flow rate	*m^3/24 hours*	–	Continuous	Online	Online flow probe meter with recorder
pH	*pH units*	6-9	Daily	Continuous	pH meter and recorder
BOD, 5 days with Inhibition (Carbonaceous BOD)	*mg/l*	25	Weekly	Composite	Standard method
COD	*mg/l*	125	Weekly	Composite	Standard method
Suspended Solids	*mg/l*	35	Weekly	Composite	Standard method
Total Nitrogen (as N) **Note 1**	*mg/l*	10	Weekly	Composite	Standard method
	kg/year	2,239,056			
Total Phosphorus (as P)	*mg/l*	1	Weekly	Composite	Standard method
	kg/year	223,906			
Toxicity	*T.U.*	5	Annually	Composite	Microtox & Rotifer LC50 Calculation Programme **Note 3**
Specific pollutants & priority substances	-	-	Annually	Composite	Standard Method
Escherichia coli **Note 2**	*CFU/100ml*	21,500	Weekly	Grab	Standard method
Enterococci (Intestinal) **Note 2**	*CFU/100ml*	7,400	Weekly	Grab	Standard method

Note 1 The requirements for nitrogen may be checked using daily averages when it is proved, in accordance with Annex I, Paragraph D.1 of the Urban Waste Water Treatment Directive Amendment 1998, that the same level of protection is obtained. In this case, the daily average must not exceed 20 mg/l of total nitrogen for all the samples when the temperature from the effluent in the biological reactor is superior or equal to 12°C.

Note 2 ELV shall apply during the bathing season 1st June to 15th September (as per S.I. No. 79/2008 - Bathing Water Quality Regulations 2008), unless otherwise agreed by the Agency.

Note 3 Or any other method to be agreed with by the Agency.

A.2: Secondary Waste Water Discharge(s) and Monitoring

There shall be no Secondary Waste Water Discharges associated with this agglomeration.

A.3: Storm Water Overflows

A.3: Storm Water Overflows

EDEN Code	Licence Code	Discharge Location Note 1	Storm Water Overflow Location Note 1	Name of Receiving Water	WFD Code Receiving Water	Compliant with DoECLG criteria Note 3
TPEFF0700D0034SW002	SW002	E 320338 N 233836	E 320173 N 233756	Liffey Estuary Lower	IE_EA_090_0300	Not Yet Assessed
TPEFF0700D0034SW003	SW003	E 318360 N 236020	E 319444 N 237358	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW004	SW004	E 316697 N 230050	E 316708 N 230004	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW005	SW005	E 324033 N 229855	E 323490 N 228887	Dublin Bay	IE_EA_090_0000	Yes
TPEFF0700D0034SW006	SW006	E 328809 N 239332	E 328807 N 239281	Irish Sea Dublin (HA 09)	IE_EA_070_0000	Not Yet Assessed
TPEFF0700D0034SW007	SW007	E 328727 N 239275	E 328754 N 239076	Howth_010	IE_EA_09H230880	Not Yet Assessed
TPEFF0700D0034SW008	SW008	E 315806 N 234287	E 315809 N 234285	Liffey Estuary Upper	IE_EA_090_0400	Not Yet Assessed
TPEFF0700D0034SW009	SW009	E 310802 N 234027	E 310867 N 233867	Liffey_190	IE_EA_09L012360	Not Yet Assessed
TPEFF0700D0034SW010	SW010	E 323400 N 228973	E 323490 N 228887	Dublin Bay	IE_EA_090_0000	Yes
TPEFF0700D0034SW011	SW011	E 319626 N 231454	E 319318 N 231458	Dublin Bay	IE_EA_090_0000	Not Yet Assessed
TPEFF0700D0034SW012	SW012	E 317841 N 231305	E 318249 N 230835	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW013	SW013	E 316105 N 234409	E 316107 N 234398	Liffey Estuary Upper	IE_EA_090_0400	Yes
TPEFF0700D0034SW014	SW014	E 316024 N 234381	E 316028 N 234367	Liffey Estuary Upper	IE_EA_090_0400	Yes
TPEFF0700D0034SW015	SW015	E 314901 N 234189	E 314892 N 234204	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW016	SW016	E 316859 N 234350	E 316849 N 234337	Liffey Estuary Lower	IE_EA_090_0300	No
TPEFF0700D0034SW017	SW017	E 312965 N 234299	E 312964 N 234299	Liffey Estuary Upper	IE_EA_090_0400	Yes
TPEFF0700D0034SW018	SW018	E 321035 N 237501	E 321116 N 237636	Santry_020	IE_EA_09S011100	Not Yet Assessed
TPEFF0700D0034SW019	SW019	E 312825 N 239679	E 312837 N 239706	Tolka_050	IE_EA_09T011100	Not Yet Assessed
TPEFF0700D0034SW020	SW020	E 316949 N 236161	E 316852 N 236022	Tolka Estuary	IE_EA_090_0200	No
TPEFF0700D0034SW021	SW021	E 316949 N 236161	E 316857 N 236017	Tolka Estuary	IE_EA_090_0200	No
TPEFF0700D0034SW022	SW022	E 317876 N 231362	E 317889 N 231357	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW023	SW023	E 315554 N 234205	E 315494 N 234030	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW024	SW024	E 300952 N 228944	E 301078 N 228871	Castletown (Dublin-Kildare)_010	IE_EA_09C500830	Not Yet Assessed
TPEFF0700D0034SW025	SW025	E 316112 N 234461	E 316108 N 234474	Liffey Estuary Upper	IE_EA_090_0400	Yes

TPEFF0700D0034SW026	SW026	E 314412 N 234306	E 314428 N 234315	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW027	SW027	E 314583 N 234281	E 314580 N 234294	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW028	SW028	E 312634 N 233620	E 312632 N 233616	Camac_040	IE_EA_09C020500	No
TPEFF0700D0034SW029	SW029	E 315554 N 234205	E 315533 N 234142	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW030	SW030	E 313784 N 234376	E 311923 N 236322	Liffey Estuary Upper	IE_EA_090_0400	Yes
TPEFF0700D0034SW031	SW031	E 313950 N 234334	E 311923 N 236322	Liffey Estuary Upper	IE_EA_090_0400	Yes
TPEFF0700D0034SW032	SW032	E 315008 N 238091	E 314692 N 238454	Tolka_060	IE_EA_09T011150	Not Yet Assessed
TPEFF0700D0034SW033	SW033	E 315490 N 237190	E 315450 N 239205	Tolka_060	IE_EA_09T011150	Not Yet Assessed
TPEFF0700D0034SW034	SW034	E 315547 N 238945	E 315450 N 239205	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW035	SW035	E 317180 N 234439	E 317190 N 234633	Liffey Estuary Lower	IE_EA_090_0300	No
TPEFF0700D0034SW036	SW036	E 315305 N 237279	E 315371 N 237860	Tolka_060	IE_EA_09T011150	Not Yet Assessed
TPEFF0700D0034SW037	SW037	E 317026 N 234334	E 316885 N 233670	Liffey Estuary Lower	IE_EA_090_0300	Yes
TPEFF0700D0034SW038	SW038	E 318138 N 233413	E 318137 N 233411	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW039	SW039	E 309308 N 243140	E 309315 N 243148	Ward_030	IE_EA_08W010300	Not Yet Assessed
TPEFF0700D0034SW040	SW040	E 317783 N 231214	E 317785 N 231204	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW041	SW041	E 307737 N 229808	E 307817 N 229729	Camac_040	IE_EA_09C020500	Not Yet Assessed
TPEFF0700D0034SW042	SW042	E 314987 N 234137	E 314987 N 234131	Liffey Estuary Upper	IE_EA_090_0400	Yes
TPEFF0700D0034SW043	SW043	E 313784 N 234376	E 311915 N 236281	Liffey Estuary Upper	IE_EA_090_0400	Yes
TPEFF0700D0034SW044	SW044	E 313368 N 233724	E 313382 N 233675	Camac_040	IE_EA_09C020500	No
TPEFF0700D0034SW045	SW045	E 316949 N 236161	E 316904 N 236073	Tolka Estuary	IE_EA_090_0200	Yes
TPEFF0700D0034SW046	SW046	E 315554 N 234261	E 315551 N 234271	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW047	SW047	E 315724 N 234308	E 315717 N 234317	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW048	SW048	E 315281 N 234204	E 315278 N 234216	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW049	SW049	E 315137 N 234174	E 315133 N 234184	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW050	SW050	E 313784 N 234376	E 313699 N 234415	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW051	SW051	E 315554 N 234205	E 315112 N 233446	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW052	SW052	E 315554 N 234205	E 315102 N 233451	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW053	SW053	E 317977 N 233864	E 317841 N 233803	Dodder_050	IE_EA_09D010900	Yes
TPEFF0700D0034SW054	SW054	E 309745 N 234945	E 309604 N 234376	Liffey_180	IE_EA_09L012350	Yes
TPEFF0700D0034SW055	SW055	E 313950 N 234334	E 311915 N 236281	Liffey Estuary Upper	IE_EA_090_0400	Yes
TPEFF0700D0034SW056	SW056	E 315406 N 237212	E 315362 N 237175	Tolka_060	IE_EA_09T011150	Not Yet Assessed
TPEFF0700D0034SW057	SW057	E 313023 N 233673	E 313022 N 233676	Camac_040	IE_EA_09C020500	Yes

TPEFF0700D0034SW058	SW058	E 315555 N 229630	E 315566 N 229625	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW059	SW059	E 313061 N 233674	E 313064 N 233680	Camac_040	IE_EA_09C020500	Yes
TPEFF0700D0034SW060	SW060	E 314246 N 234315	E 314244 N 234324	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW061	SW061	E 315554 N 234205	E 315400 N 233789	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW062	SW062	E 315554 N 234205	E 315324 N 233812	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW063	SW063	E 317396 N 234297	E 317394 N 234266	Liffey Estuary Lower	IE_EA_090_0300	No
TPEFF0700D0034SW064	SW064	E 315554 N 234205	E 314484 N 233529	Liffey Estuary Upper	IE_EA_090_0400	Not Yet Assessed
TPEFF0700D0034SW065	SW065	E 312973 N 234349	E 312971 N 234375	Liffey Estuary Upper	IE_EA_090_0400	Yes
TPEFF0700D0034SW066	SW066	E 313728 N 234294	E 313820 N 234225	Camac_040	IE_EA_09C020500	Yes
TPEFF0700D0034SW067	SW067	E 313728 N 234294	E 313733 N 234201	Camac_040	IE_EA_09C020500	No
TPEFF0700D0034SW068	SW068	E 310369 N 234145	E 310350 N 234128	Liffey_190	IE_EA_09L012360	Yes
TPEFF0700D0034SW069	SW069	E 310371 N 234144	E 310355 N 234122	Liffey_190	IE_EA_09L012360	Yes
TPEFF0700D0034SW070	SW070	E 310802 N 234027	E 310913 N 233836	Liffey_190	IE_EA_09L012360	Yes
TPEFF0700D0034SW071	SW071	E 310261 N 234248	E 310244 N 234243	Liffey_180	IE_EA_09L012350	Yes
TPEFF0700D0034SW072	SW072	E 310501 N 234093	E 310510 N 234079	Liffey_190	IE_EA_09L012360	No
TPEFF0700D0034SW073	SW073	E 324182 N 240117	E 324176 N 240120	Mayne Estuary	IE_EA_080_0100	Not Yet Assessed
TPEFF0700D0034SW074	SW074	E 318619 N 235576	E 317455 N 235389	Tolka Estuary	IE_EA_090_0200	Yes
TPEFF0700D0034SW075	SW075	E 312548 N 233667	E 312532 N 233578	Camac_040	IE_EA_09C020500	No
TPEFF0700D0034SW076	SW076	E 317767 N 231216	E 317699 N 231474	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW077	SW077	E 311766 N 233209	E 311757 N 233212	Camac_040	IE_EA_09C020500	Yes
TPEFF0700D0034SW078	SW078	E 314493 N 234254	E 314204 N 234270	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW079	SW079	E 314688 N 234206	E 314685 N 234203	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW080	SW080	E 314332 N 234276	E 314322 N 234267	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW081	SW081	E 320450 N 237731	E 320166 N 237863	Santry_020	IE_EA_09S011100	Not Yet Assessed
TPEFF0700D0034SW082	SW082	E 326418 N 227760	E 326354 N 227725	Dublin Bay	IE_EA_090_0000	Not Yet Assessed
TPEFF0700D0034SW083	SW083	E 327335 N 239695	E 327332 N 239670	Irish Sea Dublin (HA 09)	IE_EA_070_0000	Not Yet Assessed
TPEFF0700D0034SW084	SW084	E 313950 N 234334	E 313951 N 234345	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW085	SW085	E 315142 N 234128	E 315138 N 234124	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW086	SW086	E 315142 N 234128	E 315136 N 234112	Liffey Estuary Upper	IE_EA_090_0400	Yes
TPEFF0700D0034SW087	SW087	E 323855 N 243157	E 323869 N 243157	Sluice_010	IE_EA_09S071100	Not Yet Assessed
TPEFF0700D0034SW088	SW088	E 311465 N 227360	E 311575 N 227001	Dodder_040	IE_EA_09D010620	Not Yet Assessed
TPEFF0700D0034SW089	SW089	E 317773 N 234389	E 317773 N 234417	Liffey Estuary Lower	IE_EA_090_0300	Yes

TPEFF0700D0034SW090	SW090	E 321966 N 243115	E 321951 N 243067	Sluice_010	IE_EA_09S071100	Not Yet Assessed
TPEFF0700D0034SW091	SW091	E 307843 N 242672	E 307859 N 242662	Powerstown (Dublin)_010	IE_EA_09P210700	Not Yet Assessed
TPEFF0700D0034SW092	SW092	E 317371 N 233630	E 313440 N 232440	Grand Canal Basin (Liffey and Dublin Bay)	IE_09_AWB_GCB	Not Yet Assessed
TPEFF0700D0034SW093	SW093	E 317773 N 234389	E 317632 N 234920	Liffey Estuary Lower	IE_EA_090_0300	Yes
TPEFF0700D0034SW094	SW094	E 310354 N 232477	E 310381 N 232486	Camac_040	IE_EA_09C020500	Not Yet Assessed
TPEFF0700D0034SW095	SW095	E 321500 N 233812	E 320071 N 233716	Liffey Estuary Lower	IE_EA_090_0300	No
TPEFF0700D0034SW096	SW096	E 317371 N 233630	E 313724 N 232628	Grand Canal Basin (Liffey and Dublin Bay)	IE_09_AWB_GCB	Not Yet Assessed
TPEFF0700D0034SW097	SW097	E 319374 N 230609	E 319372 N 230608	Brewery Stream_010	IE_EA_09B130400	Not Yet Assessed
TPEFF0700D0034SW098	SW098	E 317773 N 234389	E 317665 N 234933	Liffey Estuary Lower	IE_EA_090_0300	Yes
TPEFF0700D0034SW099	SW099	E 313965 N 237987	E 313170 N 238854	Tolka_050	IE_EA_09T011100	Not Yet Assessed
TPEFF0700D0034SW100	SW100	E 318536 N 236153	E 318869 N 237283	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW101	SW101	E 318537 N 236153	E 318869 N 237283	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW102	SW102	E 318360 N 236020	E 318869 N 237283	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW103	SW103	E 311120 N 232005	E 310784 N 232218	Camac_040	IE_EA_09C020500	Not Yet Assessed
TPEFF0700D0034SW104	SW104	E 317934 N 235787	E 318869 N 237283	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW105	SW105	E 312963 N 234299	E 312964 N 234299	Liffey Estuary Upper	IE_EA_090_0400	Yes
TPEFF0700D0034SW106	SW106	E 319626 N 231454	E 319382 N 231533	Dublin Bay	IE_EA_090_0000	Not Yet Assessed
TPEFF0700D0034SW107	SW107	E 318104 N 232847	E 318772 N 232092	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW108	SW108	E 319046 N 237214	E 319051 N 237218	Tolka Estuary [Note 2]	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW109	SW109	E 319027 N 237330	E 319029 N 237382	Tolka Estuary [Note 2]	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW110	SW110	E 318536 N 236153	E 319029 N 237382	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW111	SW111	E 318537 N 236153	E 319029 N 237382	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW112	SW112	E 318360 N 236020	E 319029 N 237382	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW113	SW113	E 317934 N 235787	E 319029 N 237382	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW114	SW114	E 321441 N 236397	E 321435 N 236401	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW115	SW115	E 321200 N 236110	E 321196 N 236118	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW116	SW116	E 319132 N 235882	E 319242 N 235931	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW117	SW117	E 319457 N 235872	E 319928 N 235871	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW118	SW118	E 320108 N 235760	E 320138 N 235784	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW120	SW120	E 327250 N 226590	E 327239 N 226581	Dublin Bay	IE_EA_090_0000	Not Yet Assessed
TPEFF0700D0034SW121	SW121	E 327228 N 226665	E 327224 N 226607	Dublin Bay	IE_EA_090_0000	Yes

TPEFF0700D0034SW122	SW122	E 327229 N 226664	E 327224 N 226607	Dublin Bay	IE_EA_090_0000	Yes
TPEFF0700D0034SW123	SW123	E 326943 N 226990	E 326934 N 226983	Dublin Bay	IE_EA_090_0000	Not Yet Assessed
TPEFF0700D0034SW124	SW124	E 313520 N 233817	E 313539 N 233798	Camac_040	IE_EA_09C020500	No
TPEFF0700D0034SW125	SW125	E 315435 N 229529	E 315433 N 229516	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW126	SW126	E 314837 N 229650	E 314821 N 229638	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW127	SW127	E 322644 N 226837	E 319145 N 227927	Kill of the Grange Stream_010	IE_EA_10K020200	Not Yet Assessed
TPEFF0700D0034SW128	SW128	E 316347 N 229997	E 315875 N 230353	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW129	SW129	E 311491 N 232877	E 311620 N 232851	Camac_040	IE_EA_09C020500	Not Yet Assessed
TPEFF0700D0034SW130	SW130	E 317178 N 230638	E 317178 N 230638	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW131	SW131	E 328480 N 236570	E 328256 N 236653	Dublin Bay	IE_EA_090_0000	Not Yet Assessed
TPEFF0700D0034SW132	SW132	E 317371 N 233630	E 313403 N 232804	Grand Canal Basin (Liffey and Dublin Bay)	IE_09_AWB_GCB	Not Yet Assessed
TPEFF0700D0034SW134	SW134	E 311477 N 231827	E 311586 N 231733	Camac_040	IE_EA_09C020500	Not Yet Assessed
TPEFF0700D0034SW135	SW135	E 316204 N 236747	E 316237 N 236869	Tolka_060	IE_EA_09T011150	Not Yet Assessed
TPEFF0700D0034SW136	SW136	E 316204 N 236747	E 316297 N 237050	Tolka_060	IE_EA_09T011150	Not Yet Assessed
TPEFF0700D0034SW137	SW137	E 316206 N 236747	E 316297 N 237050	Tolka_060	IE_EA_09T011150	Not Yet Assessed
TPEFF0700D0034SW139	SW139	E 314010 N 237630	E 313840 N 237484	Tolka_050	IE_EA_09T011100	Not Yet Assessed
TPEFF0700D0034SW140	SW140	E 324850 N 239170	E 324844 N 239190	North Bull Island	IE_EA_090_0100	Not Yet Assessed
TPEFF0700D0034SW141	SW141	E 316983 N 229353	E 316993 N 229349	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW142	SW142	E 318536 N 236153	E 318559 N 237699	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW143	SW143	E 319379 N 230609	E 319372 N 230608	Brewery Stream_010	IE_EA_09B130400	Not Yet Assessed
TPEFF0700D0034SW144	SW144	E 320450 N 237731	E 320252 N 237821	Santry_020	IE_EA_09S011100	Not Yet Assessed
TPEFF0700D0034SW145	SW145	E 317026 N 234334	E 316961 N 233944	Liffey Estuary Lower	IE_EA_090_0300	Not Yet Assessed
TPEFF0700D0034SW146	SW146	E 317371 N 233630	E 317326 N 233389	Grand Canal Basin (Liffey and Dublin Bay)	IE_09_AWB_GCB	Not Yet Assessed
TPEFF0700D0034SW147	SW147	E 317364 N 235905	E 317480 N 236267	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW148	SW148	E 317934 N 235787	E 317480 N 236267	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW149	SW149	E 317364 N 235905	E 317482 N 236223	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW150	SW150	E 317934 N 235787	E 317482 N 236223	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW151	SW151	E 317934 N 235787	E 317527 N 236397	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW152	SW152	E 316969 N 229568	E 316965 N 229562	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW153	SW153	E 313368 N 233724	E 313210 N 233631	Camac_040	IE_EA_09C020500	No
TPEFF0700D0034SW154	SW154	E 317907 N 232490	E 317911 N 232489	Dodder_050	IE_EA_09D010900	Not Yet Assessed

TPEFF0700D0034SW155	SW155	E 317819 N 231629	E 317699 N 231474	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW156	SW156	E 318206 N 233243	E 317547 N 232446	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW157	SW157	E 323135 N 241198	E 323132 N 241110	Mayne_010	IE_EA_09M030500	Not Yet Assessed
TPEFF0700D0034SW158	SW158	E 317858 N 231356	E 317851 N 231364	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW159	SW159	E 317767 N 231216	E 317744 N 231303	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW160	SW160	E 318206 N 233243	E 317639 N 232520	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW161	SW161	E 314590 N 231740	E 314418 N 231519	Poddle_010	IE_EA_09P030800	Not Yet Assessed
TPEFF0700D0034SW162	SW162	E 314590 N 231740	E 314415 N 231520	Poddle_010	IE_EA_09P030800	Not Yet Assessed
TPEFF0700D0034SW163	SW163	E 309385 N 234985	E 309378 N 234997	Liffey_180	IE_EA_09L012350	Not Yet Assessed
TPEFF0700D0034SW164	SW164	E 318104 N 232849	E 318106 N 232849	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW165	SW165	E 314122 N 237517	E 314106 N 237565	Tolka_050	IE_EA_09T011100	Not Yet Assessed
TPEFF0700D0034SW166	SW166	E 313965 N 237987	E 313484 N 238583	Tolka_050	IE_EA_09T011100	Not Yet Assessed
TPEFF0700D0034SW167	SW167	E 313965 N 237987	E 313397 N 238520	Tolka_050	IE_EA_09T011100	Not Yet Assessed
TPEFF0700D0034SW168	SW168	E 313965 N 237987	E 313471 N 238609	Tolka_050	IE_EA_09T011100	Not Yet Assessed
TPEFF0700D0034SW169	SW169	E 303875 N 234406	E 304172 N 234457	Liffey_170	IE_EA_09L012100	Not Yet Assessed
TPEFF0700D0034SW170	SW170	E 317891 N 232503	E 317881 N 232507	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW171	SW171	E 315275 N 237269	E 315273 N 237272	Tolka_060	IE_EA_09T011150	Not Yet Assessed
TPEFF0700D0034SW172	SW172	E 313965 N 237987	E 313685 N 238438	Tolka_050	IE_EA_09T011100	Not Yet Assessed
TPEFF0700D0034SW173	SW173	E 316935 N 230487	E 316956 N 230475	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW174	SW174	E 311465 N 227360	E 311500 N 227114	Dodder_040	IE_EA_09D010620	Not Yet Assessed
TPEFF0700D0034SW175	SW175	E 310202 N 227489	E 310208 N 227494	Dodder_040	IE_EA_09D010620	Not Yet Assessed
TPEFF0700D0034SW176	SW176	E 322397 N 241382	E 322315 N 241275	Mayne_010	IE_EA_09M030500	Not Yet Assessed
TPEFF0700D0034SW177	SW177	E 321151 N 238304	E 321149 N 238285	Santry_020	IE_EA_09S011100	Not Yet Assessed
TPEFF0700D0034SW178	SW178	E 315433 N 234241	E 315417 N 234244	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW179	SW179	E 323171 N 238445	E 323129 N 238499	North Bull Island	IE_EA_090_0100	Not Yet Assessed
TPEFF0700D0034SW180	SW180	E 315490 N 237190	E 315674 N 237839	Tolka_060	IE_EA_09T011150	Not Yet Assessed
TPEFF0700D0034SW181	SW181	E 315908 N 236816	E 315899 N 236809	Tolka_060	IE_EA_09T011150	Not Yet Assessed
TPEFF0700D0034SW182	SW182	E 313990 N 238023	E 314317 N 238253	Tolka_050	IE_EA_09T011100	Not Yet Assessed
TPEFF0700D0034SW183	SW183	E 317180 N 234439	E 316933 N 235409	Liffey Estuary Lower	IE_EA_090_0300	Yes
TPEFF0700D0034SW184	SW184	E 328727 N 239275	E 328713 N 239260	Howth_010	IE_EA_09H230880	Not Yet Assessed
TPEFF0700D0034SW185	SW185	E 330124 N 238941	E 328713 N 239260	Irish Sea Dublin (HA 09)	IE_EA_070_0000	Not Yet Assessed
TPEFF0700D0034SW186	SW186	E 328408 N 239387	E 328365 N 239305	Irish Sea Dublin (HA 09)	IE_EA_070_0000	Not Yet Assessed

TPEFF0700D0034SW187	SW187	E 328409 N 239386	E 328365 N 239305	Irish Sea Dublin (HA 09)	IE_EA_070_0000	Not Yet Assessed
TPEFF0700D0034SW188	SW188	E 320812 N 238468	E 320761 N 238396	Santry_020	IE_EA_09S011100	Not Yet Assessed
TPEFF0700D0034SW189	SW189	E 317371 N 233630	E 313420 N 232720	Grand Canal Basin (Liffey and Dublin Bay)	IE_09_AWB_GCB	Not Yet Assessed
TPEFF0700D0034SW190	SW190	E 316204 N 236747	E 315936 N 237457	Tolka_060	IE_EA_09T011150	Not Yet Assessed
TPEFF0700D0034SW191	SW191	E 316206 N 236747	E 315936 N 237457	Tolka_060	IE_EA_09T011150	Not Yet Assessed
TPEFF0700D0034SW192	SW192	E 327805 N 239454	E 327789 N 239464	Irish Sea Dublin (HA 09)	IE_EA_070_0000	Not Yet Assessed
TPEFF0700D0034SW193	SW193	E 318360 N 236020	E 318030 N 236338	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW194	SW194	E 317934 N 235787	E 318030 N 236338	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW195	SW195	E 321376 N 238205	E 321355 N 238193	Santry_020	IE_EA_09S011100	Not Yet Assessed
TPEFF0700D0034SW196	SW196	E 320455 N 237732	E 320443 N 237755	Santry_020	IE_EA_09S011100	Not Yet Assessed
TPEFF0700D0034SW197	SW197	E 323615 N 238735	E 323610 N 238741	North Bull Island	IE_EA_090_0100	Not Yet Assessed
TPEFF0700D0034SW198	SW198	E 327824 N 239459	E 327690 N 239432	Irish Sea Dublin (HA 09)	IE_EA_070_0000	Not Yet Assessed
TPEFF0700D0034SW199	SW199	E 330124 N 238941	E 327690 N 239432	Irish Sea Dublin (HA 09)	IE_EA_070_0000	Not Yet Assessed
TPEFF0700D0034SW200	SW200	E 321568 N 229551	E 321560 N 229520	Dublin Bay	IE_EA_090_0000	Not Yet Assessed
TPEFF0700D0034SW201	SW201	E 313218 N 233704	E 313217 N 233706	Camac_040	IE_EA_09C020500	No
TPEFF0700D0034SW202	SW202	E 307000 N 231632	E 306997 N 231634	Camac_030	IE_EA_09C020310	Not Yet Assessed
TPEFF0700D0034SW203	SW203	E 321760 N 229236	E 321700 N 228946	Brewery Stream_010	IE_EA_09B130400	Not Yet Assessed
TPEFF0700D0034SW204	SW204	E 323389 N 228326	E 323923 N 226990	Brewery Stream_010	IE_EA_09B130400	Not Yet Assessed
TPEFF0700D0034SW205	SW205	E 312064 N 233584	E 312015 N 233665	Camac_040	IE_EA_09C020500	Yes
TPEFF0700D0034SW206	SW206	E 313784 N 234376	E 313606 N 234476	Liffey Estuary Upper	IE_EA_090_0400	Not Yet Assessed
TPEFF0700D0034SW207	SW207	E 313950 N 234334	E 313606 N 234476	Liffey Estuary Upper	IE_EA_090_0400	Not Yet Assessed
TPEFF0700D0034SW208	SW208	E 312691 N 234330	E 312690 N 234346	Liffey Estuary Upper	IE_EA_090_0400	Yes
TPEFF0700D0034SW209	SW209	E 316204 N 236747	E 316652 N 238118	Tolka_060	IE_EA_09T011150	Not Yet Assessed
TPEFF0700D0034SW210	SW210	E 316206 N 236747	E 316652 N 238118	Tolka_060	IE_EA_09T011150	Not Yet Assessed
TPEFF0700D0034SW211	SW211	E 322859 N 238111	E 322786 N 238172	North Bull Island	IE_EA_090_0100	Not Yet Assessed
TPEFF0700D0034SW212	SW212	E 315554 N 234205	E 313824 N 233344	Liffey Estuary Upper	IE_EA_090_0400	Not Yet Assessed
TPEFF0700D0034SW213	SW213	E 314332 N 234276	E 314160 N 233934	Liffey Estuary Upper	IE_EA_090_0400	Yes
TPEFF0700D0034SW214	SW214	E 315554 N 234205	E 313857 N 233351	Liffey Estuary Upper	IE_EA_090_0400	Not Yet Assessed
TPEFF0700D0034SW215	SW215	E 315554 N 234205	E 314393 N 233611	Liffey Estuary Upper	IE_EA_090_0400	Not Yet Assessed
TPEFF0700D0034SW216	SW216	E 317236 N 234312	E 317234 N 234300	Liffey Estuary Lower	IE_EA_090_0300	No
TPEFF0700D0034SW217	SW217	E 313965 N 237987	E 313240 N 238954	Tolka_050	IE_EA_09T011100	Not Yet Assessed
TPEFF0700D0034SW218	SW218	E 323643 N 238760	E 323087 N 239136	North Bull Island	IE_EA_090_0100	Not Yet Assessed

TPEFF0700D0034SW219	SW219	E 318536 N 236153	E 319444 N 237358	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW220	SW220	E 318537 N 236153	E 319444 N 237358	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW221	SW221	E 308266 N 238795	E 308150 N 238900	Tolka_040	IE_EA_09T011000	Yes
TPEFF0700D0034SW222	SW222	E 314770 N 234224	E 314771 N 234232	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW223	SW223	E 314663 N 234256	E 314663 N 234263	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW224	SW224	E 317934 N 235787	E 319444 N 237358	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW225	SW225	E 314591 N 231741	E 314418 N 231519	Poddle_010	IE_EA_09P030800	Not Yet Assessed
TPEFF0700D0034SW226	SW226	E 314591 N 231741	E 314415 N 231520	Poddle_010	IE_EA_09P030800	Not Yet Assessed
TPEFF0700D0034SW227	SW227	E 315554 N 234205	E 314959 N 233224	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW228	SW228	E 315554 N 234205	E 314962 N 233228	Liffey Estuary Upper	IE_EA_090_0400	Yes
TPEFF0700D0034SW229	SW229	E 316176 N 236728	E 316161 N 236672	Tolka_060	IE_EA_09T011150	No
TPEFF0700D0034SW230	SW230	E 316056 N 236694	E 316043 N 236686	Tolka_060	IE_EA_09T011150	Yes
TPEFF0700D0034SW231	SW231	E 313520 N 233817	E 313533 N 233810	Camac_040	IE_EA_09C020500	No
TPEFF0700D0034SW232	SW232	E 312883 N 230161	E 312769 N 230247	Poddle_010	IE_EA_09P030800	Not Yet Assessed
TPEFF0700D0034SW233	SW233	E 309737 N 229577	E 309737 N 229574	Camac_040	IE_EA_09C020500	Not Yet Assessed
TPEFF0700D0034SW234	SW234	E 315522 N 229162	E 315529 N 229160	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW235	SW235	E 321297 N229506	E 321258 N 229494	Brewery Stream_010	IE_EA_09B130400	Not Yet Assessed
TPEFF0700D0034SW236	SW236	E 309007 N 234984	E 308816 N 234950	Liffey_180	IE_EA_09L012350	Yes
TPEFF0700D0034SW237	SW237	E 309745 N 234945	E 309728 N 234678	Liffey_180	IE_EA_09L012350	Yes
TPEFF0700D0034SW238	SW238	E 310274 N 234420	E 310278 N 234430	Liffey_180	IE_EA_09L012350	Yes
TPEFF0700D0034SW239	SW239	E 311477 N 231827	E 311400 N 230544	Camac_040	IE_EA_09C020500	Not Yet Assessed
TPEFF0700D0034SW240	SW240	E 307319 N 231706	E 307320 N 231706	Camac_040	IE_EA_09C020500	Not Yet Assessed
TPEFF0700D0034SW241	SW241	E 306983 N 232223	E 306929 N 232203	Camac_040	IE_EA_09C020500	Not Yet Assessed
TPEFF0700D0034SW242	SW242	E 313337 N 230411	E 313336 N 230417	Poddle_010	IE_EA_09P030800	Not Yet Assessed
TPEFF0700D0034SW243	SW243	E 324677 N 240377	E 324647 N 240359	Mayne Estuary	IE_EA_080_0100	Not Yet Assessed
TPEFF0700D0034SW244	SW244	E 324678 N 240376	E 324647 N 240359	Mayne Estuary	IE_EA_080_0100	Not Yet Assessed
TPEFF0700D0034SW245	SW245	E 328727 N 239275	E 328794 N 238943	Howth_010	IE_EA_09H230880	Not Yet Assessed
TPEFF0700D0034SW246	SW246	E 321806 N 229409	E 321809 N 229406	Brewery Stream_010	IE_EA_09B130400	Not Yet Assessed
TPEFF0700D0034SW247	SW247	E 325261 N 228088	E 325269 N 228005	Dublin Bay	IE_EA_090_0000	Not Yet Assessed
TPEFF0700D0034SW248	SW248	E 302515 N 235033	E 302511 N 235040	Liffey_170	IE_EA_09L012100	Not Yet Assessed
TPEFF0700D0034SW249	SW249	E 303236 N 235040	E 303288 N 235054	Liffey_170	IE_EA_09L012100	Not Yet Assessed
TPEFF0700D0034SW250	SW250	E 304031 N 234473	E 304032 N 234487	Liffey_170	IE_EA_09L012100	Not Yet Assessed

TPEFF0700D0034SW251	SW251	E 306892 N 235464	E 307084 N 235168	Liffey_180	IE_EA_09L012350	Not Yet Assessed
TPEFF0700D0034SW252	SW252	E 309029 N 234536	E 308660 N 234301	Liffey_180	IE_EA_09L012350	Not Yet Assessed
TPEFF0700D0034SW253	SW253	E 303187 N 232242	E 303154 N 232091	Liffey_170	IE_EA_09L012100	Not Yet Assessed
TPEFF0700D0034SW254	SW254	E 317934 N 235787	E 317565 N 236640	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW255	SW255	E 316855 N 234470	E 316866 N 234657	Liffey Estuary Lower	IE_EA_090_0300	Yes
TPEFF0700D0034SW256	SW256	E 315929 N 236821	E 315978 N 236912	Tolka_060	IE_EA_09T011150	Not Yet Assessed
TPEFF0700D0034SW257	SW257	E 323389 N 228326	E 323430 N 228137	Brewery Stream_010	IE_EA_09B130400	Not Yet Assessed
TPEFF0700D0034SW258	SW258	E 301891 N 226887	E 301898 N 226889	Liffey_170	IE_EA_09L012100	Not Yet Assessed
TPEFF0700D0034SW259	SW259	E 323970 N 241500	E 323964 N 241507	Mayne Estuary	IE_EA_080_0100	Not Yet Assessed
TPEFF0700D0034SW260	SW260	E 317559 N 230769	E 317561 N 230766	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW261	SW261	E 316988 N 229386	E 317045 N 229344	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW262	SW262	E 319999 N 230505	E 319921 N 230593	Brewery Stream_010	IE_EA_09B130400	Not Yet Assessed
TPEFF0700D0034SW263	SW263	E 319818 N 230070	E 319407 N 229488	Brewery Stream_010	IE_EA_09B130400	Not Yet Assessed
TPEFF0700D0034SW264	SW264	E 301289 N 228845	E 301255 N 228846	Liffey_170	IE_EA_09L012100	Not Yet Assessed
TPEFF0700D0034SW265	SW265	E 322820 N 228574	E 322056 N 228443	Brewery Stream_010	IE_EA_09B130400	Not Yet Assessed
TPEFF0700D0034SW266	SW266	E 325185 N 228054	E 325183 N 228059	Dublin Bay	IE_EA_090_0000	Not Yet Assessed
TPEFF0700D0034SW268	SW268	E 313784 N 234376	E 312536 N 235894	Liffey Estuary Upper	IE_EA_090_0400	Not Yet Assessed
TPEFF0700D0034SW269	SW269	E 313950 N 234334	E 312536 N 235894	Liffey Estuary Upper	IE_EA_090_0400	Not Yet Assessed
TPEFF0700D0034SW270	SW270	E 313784 N 234376	E 312810 N 235654	Liffey Estuary Upper	IE_EA_090_0400	Not Yet Assessed
TPEFF0700D0034SW271	SW271	E 313950 N 234334	E 312810 N 235654	Liffey Estuary Upper	IE_EA_090_0400	Not Yet Assessed
TPEFF0700D0034SW272	SW272	E 313784 N 234376	E 312628 N 235825	Liffey Estuary Upper	IE_EA_090_0400	Not Yet Assessed
TPEFF0700D0034SW273	SW273	E 313950 N 234334	E 312628 N 235825	Liffey Estuary Upper	IE_EA_090_0400	Not Yet Assessed
TPEFF0700D0034SW274	SW274	E 318360 N 236020	E 317856 N 236436	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW275	SW275	E 317934 N 235787	E 317856 N 236436	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW276	SW276	E 320902 N 229956	E 320837 N 229937	Dublin Bay	IE_EA_090_0000	Not Yet Assessed
TPEFF0700D0034SW277	SW277	E 321297 N 229506	E 321248 N 229477	Brewery Stream_010	IE_EA_09B130400	Not Yet Assessed
TPEFF0700D0034SW278	SW278	E 318360 N 236020	E 317858 N 236891	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW279	SW279	E 317934 N 235787	E 317858 N 236891	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW280	SW280	E 323171 N 238445	E 322655 N 238593	North Bull Island	IE_EA_090_0100	Not Yet Assessed
TPEFF0700D0034SW281	SW281	E 317371 N 233630	E 316616 N 232768	Grand Canal Basin (Liffey and Dublin Bay)	IE_09_AWB_GCB	Not Yet Assessed
TPEFF0700D0034SW282	SW282	E 310265 N 232072	E 310013 N 231763	Camac_040	IE_EA_09C020500	Not Yet Assessed
TPEFF0700D0034SW283	SW283	E 307051 N 231535	E 307044 N 231539	Camac_030	IE_EA_09C020310	Not Yet Assessed

TPEFF0700D0034SW284	SW284	E 302134 N 234884	E 302134 N 234890	Liffey_170	IE_EA_09L012100	Not Yet Assessed
TPEFF0700D0034SW285	SW285	E 322820 N 228574	E 322584 N 228364	Brewery Stream_010	IE_EA_09B130400	Not Yet Assessed
TPEFF0700D0034SW286	SW286	E 314692 N 237504	E 314609 N 237773	Tolka_060	IE_EA_09T011150	Not Yet Assessed
TPEFF0700D0034SW287	SW287	E 321760 N 229236	E 321702 N 228874	Brewery Stream_010	IE_EA_09B130400	Not Yet Assessed
TPEFF0700D0034SW288	SW288	E 317371 N 233630	E 315763 N 232453	Grand Canal Basin (Liffey and Dublin Bay)	IE_09_AWB_GCB	Not Yet Assessed
TPEFF0700D0034SW289	SW289	E 315554 N 234205	E 313909 N 233340	Liffey Estuary Upper	IE_EA_090_0400	Not Yet Assessed
TPEFF0700D0034SW290	SW290	E 321439 N 236403	E 321437 N 236402	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW291	SW291	E 315554 N 234205	E 314602 N 233494	Liffey Estuary Upper	IE_EA_090_0400	Not Yet Assessed
TPEFF0700D0034SW292	SW292	E 317371 N 233630	E 313762 N 232621	Grand Canal Basin (Liffey and Dublin Bay)	IE_09_AWB_GCB	Not Yet Assessed
TPEFF0700D0034SW294	SW294	E 315590 N 229790	E 315386 N 229892	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW295	SW295	E 317773 N 234389	E 317304 N 235418	Liffey Estuary Lower	IE_EA_090_0300	No
TPEFF0700D0034SW296	SW296	E 318619 N 235576	E 317304 N 235418	Tolka Estuary	IE_EA_090_0200	No
TPEFF0700D0034SW297	SW297	E 321236 N 238279	E 321216 N 238351	Santry_020	IE_EA_09S011100	Not Yet Assessed
TPEFF0700D0034SW298	SW298	E 317371 N 233630	E 314832 N 232390	Grand Canal Basin (Liffey and Dublin Bay)	IE_09_AWB_GCB	Not Yet Assessed
TPEFF0700D0034SW299	SW299	E 316783 N 230085	E 316789 N 230082	Dodder_050	IE_EA_09D010900	No
TPEFF0700D0034SW300	SW300	E 316883 N 236235	E 317288 N 237031	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW301	SW301	E 317364 N 235905	E 317275 N 236972	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW302	SW302	E 317934 N 235787	E 317275 N 236972	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW303	SW303	E 317068 N 236034	E 317052 N 235990	Tolka Estuary	IE_EA_090_0200	Yes
TPEFF0700D0034SW304	SW304	E 317075 N 236033	E 317052 N 235990	Tolka Estuary	IE_EA_090_0200	Yes
TPEFF0700D0034SW305	SW305	E 317076 N 236033	E 317052 N 235990	Tolka Estuary	IE_EA_090_0200	Yes
TPEFF0700D0034SW306	SW306	E 323558 N 242487	E 323574 N 242500	Sluice_010	IE_EA_09S071100	Not Yet Assessed
TPEFF0700D0034SW308	SW308	E 314477 N 229675	E 314136 N 229794	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW309	SW309	E 308602 N 238549	E 308577 N 238545	Tolka_040	IE_EA_09T011000	Not Yet Assessed
TPEFF0700D0034SW310	SW310	E 308317 N 238763	E 308291 N 238744	Tolka_040	IE_EA_09T011000	Not Yet Assessed
TPEFF0700D0034SW311	SW311	E 309614 N 238261	E 309614 N 238262	Tolka_050	IE_EA_09T011100	Not Yet Assessed
TPEFF0700D0034SW312	SW312	E 308002 N 238731	E 307998 N 238713	Tolka_040	IE_EA_09T011000	Not Yet Assessed
TPEFF0700D0034SW313	SW313	E 308725 N 237713	E 308953 N 237331	Tolka_040	IE_EA_09T011000	Not Yet Assessed
TPEFF0700D0034SW314	SW314	E 306505 N 237441	E 306514 N 237431	Liffey_180	IE_EA_09L012350	Not Yet Assessed
TPEFF0700D0034SW315	SW315	E 307075 N 251832	E 307030 N 251892	Broadmeadow_020	IE_EA_08B020600	Not Yet Assessed
TPEFF0700D0034SW316	SW316	E 307311 N 251743	E 307220 N 251800	Broadmeadow_020	IE_EA_08B020600	Not Yet Assessed

TPEFF0700D0034SW317	SW317	E 306046 N 252772	E 306043 N 252779	Broadmeadow_020	IE_EA_08B020600	Not Yet Assessed
TPEFF0700D0034SW318	SW318	E 305932 N 252223	E 305936 N 252249	Broadmeadow_010	IE_EA_08B020400	Not Yet Assessed
TPEFF0700D0034SW319	SW319	E 302655 N 251599	E 302657 N 251634	Broadmeadow_010	IE_EA_08B020400	Not Yet Assessed
TPEFF0700D0034SW320	SW320	E 314477 N 229675	E 314101 N 229812	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW321	SW321	E 306676 N 245813	E 306662 N 245818	Ward_010	IE_EA_08W010050	Not Yet Assessed
TPEFF0700D0034SW322	SW322	E 306385 N 246297	E 306400 N 246285	Ward_030	IE_EA_08W010300	Not Yet Assessed
TPEFF0700D0034SW323	SW323	E 314150 N 228975	E 314159 N 228978	Owenadoher_010	IE_EA_09O011700	Not Yet Assessed
TPEFF0700D0034SW324	SW324	E 313090 N 236185	E 313201 N 236290	Liffey Estuary Upper	IE_EA_090_0400	Not Yet Assessed
TPEFF0700D0034SW325	SW325	E 316957 N 236176	E 316965 N 236194	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW326	SW326	E 311866 N 237873	E 311804 N 237802	Tolka_050	IE_EA_09T011100	Not Yet Assessed
TPEFF0700D0034SW327	SW327	E 320902 N 229956	E 320278 N 230210	Dublin Bay	IE_EA_090_0000	Not Yet Assessed
TPEFF0700D0034SW328	SW328	E 318389 N 229640	E 318371 N 229599	Brewery Stream_010	IE_EA_09B130400	Not Yet Assessed
TPEFF0700D0034SW329	SW329	E 300191 N 229460	E 299990 N 228951	Castletown (Dublin-Kildare)_010	IE_EA_09C500830	Not Yet Assessed
TPEFF0700D0034SW330	SW330	E 314477 N 229675	E 314208 N 229720	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW331	SW331	E 312990 N 233664	E 312990 N 233670	Camac_040	IE_EA_09C020500	Yes
TPEFF0700D0034SW332	SW332	E 313021 N 233673	E 313022 N 233676	Camac_040	IE_EA_09C020500	Yes
TPEFF0700D0034SW333	SW333	E 321360 N 235820	E 321560 N 235740	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW334	SW334	E 306954 N 232119	E 306792 N 232087	Camac_040	IE_EA_09C020500	Not Yet Assessed
TPEFF0700D0034SW335	SW335	E 321203 N 236120	E 321004 N 236217	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW336	SW336	E 321192 N 236113	E 320743 N 236300	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW337	SW337	E 317364 N 235905	E 317339 N 236668	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW338	SW338	E 317934 N 235787	E 317339 N 236668	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW339	SW339	E 317392 N 234298	E 317394 N 234266	Liffey Estuary Lower	IE_EA_090_0300	No
TPEFF0700D0034SW340	SW340	E 317552 N 234407	E 317523 N 234687	Liffey Estuary Lower	IE_EA_090_0300	Not Yet Assessed
TPEFF0700D0034SW341	SW341	E 318360 N 236020	E 317840 N 236426	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW342	SW342	E 317934 N 235787	E 317840 N 236426	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW343	SW343	E 303822 N 235710	E 303828 N 235703	Liffey_180	IE_EA_09L012350	Not Yet Assessed
TPEFF0700D0034SW344	SW344	E 319767 N 230085	E 319763 N 230030	Brewery Stream_010	IE_EA_09B130400	Not Yet Assessed
TPEFF0700D0034SW345	SW345	E 310359 N 234150	E 310355 N 234122	Liffey_190	IE_EA_09L012360	Yes
TPEFF0700D0034SW346	SW346	E 312318 N 233651	E 312286 N 233530	Camac_040	IE_EA_09C020500	No
TPEFF0700D0034SW347	SW347	E 308532 N 231438	E 308074 N 230747	Camac_040	IE_EA_09C020500	Not Yet Assessed
TPEFF0700D0034SW348	SW348	E 323643 N 238760	E 322130 N 239548	North Bull Island	IE_EA_090_0100	Not Yet Assessed

TPEFF0700D0034SW349	SW349	E 310802 N 234027	E 310814 N 233884	Liffey_190	IE_EA_09L012360	Yes
TPEFF0700D0034SW350	SW350	E 319554 N 239913	E 319464 N 239919	Santry_020	IE_EA_09S011100	Not Yet Assessed
TPEFF0700D0034SW351	SW351	E 317773 N 234389	E 317164 N 235407	Liffey Estuary Lower	IE_EA_090_0300	No
TPEFF0700D0034SW352	SW352	E 318619 N 235576	E 317164 N 235407	Tolka Estuary	IE_EA_090_0200	No
TPEFF0700D0034SW353	SW353	E 326279 N 238441	E 326312 N 238143	Dublin Bay	IE_EA_090_0000	Not Yet Assessed
TPEFF0700D0034SW354	SW354	E 326299 N 238441	E 326323 N 238435	Dublin Bay	IE_EA_090_0000	Not Yet Assessed
TPEFF0700D0034SW355	SW355	E 324798 N 244337	E 324753 N 244292	Irish Sea Dublin (HA 09)	IE_EA_070_0000	Not Yet Assessed
TPEFF0700D0034SW356	SW356	E 326155 N 239718	E 326144 N 239571	Irish Sea Dublin (HA 09)	IE_EA_070_0000	Not Yet Assessed
TPEFF0700D0034SW357	SW357	E 330124 N 238941	E 326144 N 239571	Irish Sea Dublin (HA 09)	IE_EA_070_0000	Not Yet Assessed
TPEFF0700D0034SW358	SW358	E 324558 N 239012	E 324371 N 239363	North Bull Island	IE_EA_090_0100	Not Yet Assessed
TPEFF0700D0034SW359	SW359	E 330124 N 238941	E 325229 N 239557	Irish Sea Dublin (HA 09)	IE_EA_070_0000	Not Yet Assessed
TPEFF0700D0034SW360	SW360	E 317087 N 240688	E 317083 N 240679	Santry_010	IE_EA_09S010300	Not Yet Assessed
TPEFF0700D0034SW361	SW361	E 318536 N 236153	E 316770 N 238993	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW362	SW362	E 318537 N 236153	E 316770 N 238993	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW363	SW363	E 318360 N 236020	E 316770 N 238993	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW364	SW364	E 317934 N 235787	E 316770 N 238993	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW365	SW365	E 321210 N 229754	E 321034 N 229362	Brewery Stream_010	IE_EA_09B130400	Not Yet Assessed
TPEFF0700D0034SW366	SW366	E 314477 N 229675	E 314453 N 230181	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW367	SW367	E 302532 N 235061	E 301733 N 234335	Liffey_170	IE_EA_09L012100	Not Yet Assessed
TPEFF0700D0034SW368	SW368	E 311646 N 233095	E 311562 N 233049	Camac_040	IE_EA_09C020500	Not Yet Assessed
TPEFF0700D0034SW369	SW369	E 318536 N 236153	E 319348 N 237237	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW370	SW370	E 318537 N 236153	E 319348 N 237237	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW371	SW371	E 318360 N 236020	E 319348 N 237237	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW372	SW372	E 317934 N 235787	E 319348 N 237237	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW373	SW373	E 321192 N 236113	E 320292 N 236509	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW374	SW374	E 317371 N 233630	E 316396 N 232669	Grand Canal Basin (Liffey and Dublin Bay)	IE_09_AWB_GCB	Not Yet Assessed
TPEFF0700D0034SW375	SW375	E 322347 N 237561	E 322127 N 237600	North Bull Island	IE_EA_090_0100	Not Yet Assessed
TPEFF0700D0034SW376	SW376	E 313965 N 237987	E 313270 N 238784	Tolka_050	IE_EA_09T011100	Not Yet Assessed
TPEFF0700D0034SW377	SW377	E 312241 N 229791	E 312355 N 229594	Poddle_010	IE_EA_09P030800	Not Yet Assessed
TPEFF0700D0034SW378	SW378	E 324957 N 228322	E 324953 N 228313	Dublin Bay	IE_EA_090_0000	Not Yet Assessed
TPEFF0700D0034SW379	SW379	E 317371 N 233630	E 314829 N 232383	Grand Canal Basin (Liffey and Dublin Bay)	IE_09_AWB_GCB	Not Yet Assessed

TPEFF0700D0034SW380	SW380	E 321210 N 229754	E 321294 N 229568	Brewery Stream_010	IE_EA_09B130400	Not Yet Assessed
TPEFF0700D0034SW381	SW381	E 312635 N 228182	E 312136 N 227404	Dodder_040	IE_EA_09D010620	Not Yet Assessed
TPEFF0700D0034SW382	SW382	E 316940 N 229709	E 316970 N 229705	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW383	SW383	E 317876 N 232454	E 317824 N 232486	Dodder_050	IE_EA_09D010900	Not Yet Assessed
TPEFF0700D0034SW384	SW384	E 312988 N 233664	E 312990 N 233670	Camac_040	IE_EA_09C020500	Yes
TPEFF0700D0034SW385	SW385	E 319938 N 230443	E 319959 N 230418	Brewery Stream_010	IE_EA_09B130400	Not Yet Assessed
TPEFF0700D0034SW386	SW386	E 314205 N 234280	E 314204 N 234270	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW387	SW387	E 318537 N 236153	E 318559 N 237699	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW388	SW388	E 318360 N 236020	E 318559 N 237699	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW389	SW389	E 317934 N 235787	E 318559 N 237699	Tolka Estuary	IE_EA_090_0200	Not Yet Assessed
TPEFF0700D0034SW390	SW390	E 313784 N 234376	E 313201 N 236290	Liffey Estuary Upper	IE_EA_090_0400	Not Yet Assessed
TPEFF0700D0034SW391	SW391	E 313950 N 234334	E 313201 N 236290	Liffey Estuary Upper	IE_EA_090_0400	Not Yet Assessed
TPEFF0700D0034SW392	SW392	E 312961 N 234299	E 312959 N 234298	Liffey Estuary Upper	IE_EA_090_0400	No
TPEFF0700D0034SW393	SW393	E 314477 N 229675	E 314196 N 229739	Dodder_050	IE_EA_09D010900	Not Yet Assessed

Note 1 Any updates/changes to locations must be submitted to the Agency as part of the AER.

Note 2 The licensee has reported the receiving waters for SW018 and SW109 as 'unknown'. The closest receiving waterbody to these overflows is the Tolka Estuary and so has been input accordingly.

Note 3 As stated by Uisce Éireann in Appendix 1: Attachment C1. Update; Overflows - Storm Water Overflows (SWOs) & Emergency Overflows (EOs).

Storm Water Overflow Monitoring

EDEN Code	Licence Code	Parameter	Units	Monitoring Frequency	Monitoring Method	Analysis Method / Technique
TPEFF0700D0034SW002	SW002	Flow rate	m^3/24 hours	Continuous during discharge	Flow monitor	Standard method
TPEFF0700D0034SW232	SW232	Event duration	Time	Continuous during discharge	Event duration monitor	Standard method
TPEFF0700D0034SW248	SW248	Event duration	Time	Continuous during discharge	Event duration monitor	Standard method
TPEFF0700D0034SW249	SW249	Event duration	Time	Continuous during discharge	Event duration monitor	Standard method
TPEFF0700D0034SW251	SW251	Event duration	Time	Continuous during discharge	Event duration monitor	Standard method
TPEFF0700D0034SW252	SW252	Event duration	Time	Continuous during discharge	Event duration monitor	Standard method
TPEFF0700D0034SW258	SW258	Event duration	Time	Continuous during discharge	Event duration monitor	Standard method

Storm Water Overflow Monitoring						
TPEFF0700D0034SW264	SW264	Event duration	Time	Continuous during discharge	Event duration monitor	Standard method
TPEFF0700D0034SW316	SW316	Event duration	Time	Continuous during discharge	Event duration monitor	Standard method
TPEFF0700D0034SW318	SW318	Event duration	Time	Continuous during discharge	Event duration monitor	Standard method
TPEFF0700D0034SW321	SW321	Event duration	Time	Continuous during discharge	Event duration monitor	Standard method
TPEFF0700D0034SW343	SW343	Event duration	Time	Continuous during discharge	Event duration monitor	Standard method
TPEFF0700D0034SW347	SW347	Event duration	Time	Continuous during discharge	Event duration monitor	Standard method
TPEFF0700D0034SW367	SW367	Event duration	Time	Continuous during discharge	Event duration monitor	Standard method

A.4 Interpretation of Discharge Monitoring Results

A.4 Interpretation of Discharge Monitoring Results			
No. of Samples taken in any one year [Note 1]	***Max. number of samples which may exceed ELV***	***No. of Samples taken in any one year*** [Note 1]	***Max. number of samples which may exceed ELV***
4-7	1	172-187	14
8-16	2	188-203	15
17-28	3	204-219	16
29-40	4	220-235	17
41-53	5	236-251	18
54-67	6	252-268	19
68-81	7	269-284	20
82-95	8	285-300	21
96-110	9	301-317	22
111-125	10	318-334	23
126-140	11	335-350	24
141-155	12	351-365	25
156-171	13		

Note 1: Where the licensee has taken samples which exceed the number specified in this Schedule, the licensee must submit to the Agency all results of analysis.

SCHEDULE B: AMBIENT MONITORING

B.1: Groundwater Monitoring

There is no ground water monitoring required in this licence.

B.2: Receiving Water Monitoring

Marine Monitoring

B.2.1 Receiving Water Monitoring							
EDEN Code	Licence Code	Monitoring Location				Point Type	Name of Receiving Water
CW09001009DB5001	SW001	E	330095	N	235833	Coastal	Irish Sea Dublin
CW10001011DB4001	SW001	E	324064	N	234926	Coastal	Dublin Bay
CW10001011DB4002	SW001	E	324092	N	233067	Coastal	Dublin Bay
CW10001011DB4003	SW001	E	325780	N	235161	Coastal	Dublin Bay
CW10001011DB4004	SW001	E	325481	N	232924	Coastal	Dublin Bay
CW10001011DB4005	SW001	E	324022	N	231417	Coastal	Dublin Bay
CW10001011DB4006	SW001	E	328039	N	235755	Coastal	Dublin Bay
CW10001011DB4007	SW001	E	325631	N	229768	Coastal	Dublin Bay
CW10001011DB4008	SW001	E	327875	N	232227	Coastal	Dublin Bay
RS09L012500	SW001	E	312819	N	234311	Transitional	Liffey Estuary Upper
RS09L012900	SW001	E	315126	N	234151	Transitional	Liffey Estuary Upper
TW07001013DB3001	SW001	E	317308	N	235929	Transitional	Tolka Estuary
TW07001013DB3002	SW001	E	317897	N	235754	Transitional	Tolka Estuary
TW07001013DB3003	SW001	E	319134	N	235625	Transitional	Tolka Estuary
TW07001013DB3004	SW001	E	320434	N	235224	Transitional	Tolka Estuary
TW07001013DB3005	SW001	E	321174	N	235898	Transitional	Tolka Estuary
TW07001013DB3006	SW001	E	316639	N	236407	Transitional	Tolka Estuary
TW07001014DB2001	SW001	E	317892	N	234109	Transitional	Liffey Estuary Lower
TW07001014DB2002	SW001	E	318205	N	234276	Transitional	Liffey Estuary Lower
TW07001014DB2003	SW001	E	320193	N	234136	Transitional	Liffey Estuary Lower
TW07001014DB2004	SW001	E	321589	N	234089	Transitional	Liffey Estuary Lower
TW07001014DB2005	SW001	E	323264	N	234124	Transitional	Liffey Estuary Lower
TW07001014DB2006	SW001	E	321532	N	233948	Transitional	Liffey Estuary Lower
TW07001014DB2007	SW001	E	321545	N	234027	Transitional	Liffey Estuary Lower
TW07001014DB2008	SW001	E	321519	N	234125	Transitional	Liffey Estuary Lower
TW07001014DB2009	SW001	E	321303	N	234313	Transitional	Liffey Estuary Lower
TW07001015DB1001	SW001	E	313763	N	234363	Transitional	Liffey Estuary Upper
TW07001015DB1002	SW001	E	316413	N	234487	Transitional	Liffey Estuary Upper

Parameter	Units	Monitoring Frequency	Analysis Method/Technique
Temperature	°C	Monthly	Standard method
Dissolved Oxygen	%	Monthly	Standard method
BOD, 5 days with Inhibition (Carbonaceous BOD)	mg/l	Monthly	Standard method
Salinity	PSU	Monthly	Standard method
Dissolved Inorganic Nitrogen (as N)	mg/l	Monthly	Standard method
Total Oxidised Nitrogen (as N)	mg/l	Monthly	Standard method
Ortho-Phosphate (as PO4)	mg/l	Monthly	Standard method
Total Ammonia (as N)	mg/l	Monthly	Standard method
Silica	mg/l	Monthly	Standard method
Chlorophyll	mg/m^3	Monthly	Standard method

Shore Sampling

Licence Code	Point Type	Name of Receiving Water
ASW11	Bathing Water	Dollymount North
ASW12	Bathing Water	Dollymount Bathing Zone
ASW13	Bathing Water	Dollymount South
ASW14	Bathing Water	Bull Wall Wood Causeway
ASW15	Bathing Water	Poolbeg Outfall Main
ASW16	Bathing Water	Half Moon Club - Southside
ASW17	Bathing Water	Sandymount Strand
ASW18	Bathing Water	Merrion Strand

Parameter	Units	Monitoring Frequency	Analysis Method/Technique
Escherichia coli	CFU/100ml	Weekly during bathing season	Standard method
Intestinal enterococci	CFU/100ml	Weekly during bathing season	Standard method
Visual inspection	–	Weekly during bathing season	Sample & examine for colour

SCHEDULE C: SPECIFIED IMPROVEMENT PROGRAMME

C.1: Specified Improvement Programme

C.1 Specified Improvements Programme			
Location	**Type**	**Specified Improvement**	**Completion Date**
Waste Water works	Treatment Plant	Complete upgrade works in order to ensure compliance with the emission limit values as set out in *Schedule A: Discharges & Discharge Monitoring*, of this licence.	On grant of licence
Waste Water works	Treatment Plant	Complete all necessary repair works to the sheet piling along the discharge channel.	31st December 2025
Waste Water works	Network	Complete all Drainage Area Plans of the waste water works serving the agglomeration.	31st December 2026 Note 1
Waste Water works	Network	Complete a SWO assessment programme for the assessment of compliance with the DoECLG '*Procedures and Criteria in Relation to Storm Water Overflows*', 1995. The programme must prioritise areas of concern such as those listed as significant pressures under the WFD or posing a risk to bathing waters.	
Waste Water works	Network	Develop and implement solutions for non-compliant SWOs.	
Waste Water works	Network	Complete all works necessary to ensure discharges from storm water overflows at the following pumping stations comply with Condition 3.5.4 and install flow monitors at: - West Pier pumping station; - Ailesbury pumping station; - Elm Park network SWO/CSO.	
Waste Water works	Network	Carry out a risk assessment to identify the critical SWOs on the network and install event duration or flow monitors, or equivalent, to the satisfaction of the Agency.	As agreed
		Any other works notified in writing by the Agency	As agreed

Note 1: The deadline may be extended, with the agreement of the Agency, where, under the WFD Article 4(4) exemptions, extending the deadline for compliance beyond 2027 are specifically explained and set out in the RBMP.

C.2: Discharges to be Discontinued

C.2: Discharges to be Discontinued			
Licence Code	**Type**	**Action**	**Discontinuation Date**
SW4 Fingal	Secondary Discharge (Doldrum Bay)	Discontinue	On grant of licence

SCHEDULE D: ANNUAL ENVIRONMENTAL REPORT

D.1 Annual Environmental Report Content

Discharges from the agglomeration.

Summary report on monthly weekly influent monitoring.

The population equivalent (p.e.) of the agglomeration served by the waste water works.

Data collection and reporting requirements under the Urban Waste Water Treatment Directive.

Complaints summary.

Pollutant Release and Transfer Register report.

Ambient monitoring summary.

Climate change adaptation plan report.

Storm water overflow identification and inspection report, including any newly identified SWOs.

Reported incidents summary.

Report on progress made and proposals being developed to meet the improvement programme requirements.

Development/Infrastructural works summary (completed in previous year or prepared for current year).

Statement of measures related to the prevention of environmental damage associated with discharges or overflows.

Any other items specified in the licence conditions or by the Agency.

Sealed by the seal of the Agency on this the 28th day of May 2024

PRESENT when the seal of the Agency was affixed hereto:

Tara Gillen

Tara Gillen, Authorised Person