



ATTACHMENT C.1: DISCHARGES AND MONITORING



Waste Water Discharge Authorisation

Attachment C.1 – Discharges & Monitoring

Applicant Name:*

Uisce Éireann

Application I.D.:*

D0427

SECTION C: DISCHARGES & MONITORING

This part of the application form collects information on the existing and proposed waste water discharges from the waste water works serving the agglomeration including proposed emission levels and monitoring results.

Section C.1 Discharges & Monitoring

Table C.1(a) - Primary waste water discharge *(complete the table for existing and proposed primary discharge where relevant)*

Existing Primary Waste Water Discharge <i>(as per D0427-01)</i>						
EDEN Code (where applicable)	Unique Point Code	Discharge Location	Monitoring Location	Receiving Water Name	WFD Code Receiving Water	Type of Receiving Water
TPEFF0500D0427SW001	SW001	145231E 72297N	145231E, 72297N	Inniscarra Reservoir	IE_SW_19_138	Lake

Proposed Primary Waste Water Discharge <i>(No change in Discharge Location - D0427-01. New Monitoring Location at WwTP)</i>						
EDEN Code (where applicable)	Unique Point Code	Discharge Location	Monitoring Location at WwTP (New NGR)	Receiving Water Name	WFD Code Receiving Water	Type of Receiving Water
TPEFF0500D0427SW001	SW001	145231E 72297N	145983E, 73094N	Inniscarra Reservoir	IE_SW_19_138	Lake

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Proposed Discharges Emission Levels and Monitoring							
Discharges					Monitoring		
Parameter	Units	Interim emission level (or Interim % Reduction)	Proposed emission level	Emission level commencement date	Monitoring Frequency	Sampling Method	Analysis method/Technique
pH	pH Units	-	6-9	-	Bi-monthly	Continuous	pH Meter and recorder
cBOD	mg/l	-	25	-	Bi-monthly	Composite	Standard Method
COD	mg/l	-	125	-	Bi-monthly	Composite	Standard Method
Suspended Solids	mg/l	-	25	-	Bi-monthly	Composite	Standard Method
Ammonia (as N)	mg/l	-	6.5	-	Bi-monthly	Composite	Standard Method
Total Phosphorous (as P)	mg/l	-	1.2	-	Bi-monthly	Composite	Standard Method

Secondary Waste Water Discharge

Is a Secondary discharge associated with the agglomeration?	No
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If yes, complete the following table for each secondary waste water discharge.

Table C.1(b) - Secondary waste water discharge

Secondary Waste Water Discharge							
EDEN Code (where applicable)	Unique point Code	Discharge Location	Monitoring Location	Receiving Water Name	WFD Code Receiving Water	Type of Receiving Water	Decommissioning date if applicable
Not Applicable							

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Discharges Emission Levels and Monitoring							
Discharges					Monitoring		
Parameter	Units	Interim emission level (or Interim % Reduction)	Proposed emission level	Emission level commencement date	Monitoring Frequency	Sampling Method	Analysis method/Technique
Not applicable							

Waste water discharges from Stormwater Overflows

Are discharges from storm water overflows associated with the agglomeration?	Yes
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If yes, complete the following table for waste water discharges from storm water overflows.

Table C.1(c) - Storm Water Overflows (additional rows may be added as required)

Storm Water Overflow (SWO)							
EDEN Code (Where available)	Unique Code	Discharge Location (6E, 6N)	SWO Location (6E, 6N)	Name of Receiving Water	WFD Code Receiving Water	Compliant * (Y/N)	Decommissioning date (where applicable)
TPEFF0500D 0427SW002	SW002	145955E, 73162N	Not applicable	River Lee	LEE (CORK)_080 IE_SW_19L030600	Not applicable	Decommissioned
TPEFF0500D 0427SW003	SW003	145947E, 73165N	Not applicable	River Lee	LEE (CORK)_080 IE_SW_19L030600	Not applicable	Decommissioned
None	SW004	146002E, 73155N	Not applicable	River Lee	LEE (CORK)_080 IE_SW_19L030600	Not applicable	Decommissioned
TBC New SWO	SW005	145257E, 72497N	145259E, 72502N	Inniscarra Reservoir	IE_SW_19_138	Y	Not applicable
TBC New SWO	SW006	145231E 72297N	146009E, 73146N	Inniscarra Reservoir	IE_SW_19_138	Y	Not applicable
TBC New SWO	SW007	145231E 72297N	145996E, 73141N	Inniscarra Reservoir	IE_SW_19_138	Y	Not applicable

* Meeting the criteria as set out in the DoEHLG ‘Procedures and Criteria in Relation to Storm Water Overflows’, 1995

Emergency Overflow Point(s)

Are discharges from emergency overflows associated with the agglomeration?	Yes
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If yes, complete the following table for waste water discharges from an emergency overflow.

Table C.1 (d) - Emergency Overflow (additional rows may be added as required)

Refer to **Table C.1(c)** – SW006 is a Dual Function Overflow – acts as a SWO or EO depending on the circumstances.

Emergency Overflow Point					
Name of pumping station	Unique point code	Discharge Location (6E, 6N)	Emergency Overflow Location (6E, 6N)	Name of Receiving Water	WFD Code of Receiving Water
Coachford WwTP	SW006	145231E, 72297N	146009E, 73146N	Inniscarra Reservoir	IE_SW_19_138

Waste Water Treatment Plant Monitoring Data

In the case of an existing associated waste water treatment plant(s), provide a summary of the sampling data pertaining to the discharge based on the samples taken in the 12 months preceding the making of the application by completing the following table.

Table C.1(e) - Effluent monitoring results (Oct 2021–May 2023 as per D0427-01 Monitoring Requirements)

Parameter:	pH (pH unit)	cBOD (mg/l)	COD (mg/l)	Suspended Solids (mg/l)	Total Phosphorous (mg/l)	Ammonia – Total (as N) (mg/l)
Number of Samples:	12	12	12	12	12	12
Max result:	8	7.8	41	41	2.2	0.6
Min result:	6.5	1.1	10.5	1.25	0.025	0.06
Average result	7.7	3.65	22.7	9.93	0.41	0.26
Number of exceedances of ELV: (Where applicable)	0	0	0	1	1	0
Overall compliance: (%)	100%	100%	100%	86%	86%	100%