Waste Water Discharge Authorisation

Attachment C.1 – Discharges & Monitoring

Applicant Name:*	Uisce Éireann
Application I.D.:*	D0134-01

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

Primary waste water discharge

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

Primary 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
TPEFF0500D0134SW001	SW001	196235E, 72891N	196288E 072884N	Kiltha River	IE_SW_19_1909	Fresh Water (River)

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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
Flow	m^3/day	-	-	-	Continuous	Online	Calibrated Magnetic Flowmeter
pH	pH units	6-9	6-9		Daily	Composite	Standard Method
C Biochemical Oxygen Demand	mg/l	15	6.63	November 2025	Monthly	Composite	Standard Method
Chemical Oxygen Demand	mg/l	125	125		Monthly	Composite	Standard Method
Suspended Solids	mg/l	35	35		Monthly	Composite	Standard Method
Total Ammonia as N	mg/l	0.5	0.68	November 2025	Monthly	Composite	Standard Method
Orthophosphate as P	mg/l	0.5	0.22	November 2025	Monthly	Composite	Standard Method
Visual Inspection	Descriptive	-	-	-	Weekly	N/A	Standard method

Secondary Waste Water Discharge

Is a Secondary discharge associated with the agglomeration?	*No*

If yes, complete the following table for each secondary waste water discharge.

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

EDEN Code (where applicable)	Unique point Code	Discharge Location	Monitoring Location	Receiving Water Name	WFD Code 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*

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)
TPEFF0500D0134SW002	SW002 (Dual SWO & EO)	196235E, 072891N	196296E, 072891N	Kiltha River	IE_SW_19_1909	Meeting Criteria	Not applicable
TPEFF0500D0134SW003	SW003 (Dual SWO & EO)	196379E, 073199N	196387E, 073199N	Kiltha River	IE_SW_19_1909	Meeting Criteria	Not applicable
Not applicable (Proposed new discharge – Overflow from proposed Storm Water Holding Tank)	SW004 (Proposed Code)	196235E, 072891N	196292E, 072906N	Kiltha River	IE_SW_19_1909	Meeting Criteria	Not applicable

*Compliant with 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*

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)

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
Not applicable All Dual SWO/EO – See SWO Table above					

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

Parameter:	pH (pH units)	cBOD (mg/L)	COD (mg/L)	Suspended Solids (mg/L)	Ortho-Phosphate (mg/l)	Ammonia as N (mg/L)
Number of Samples:	12	12	12	12	12	12
Max result:	8	9	72	8	3.72	27.9
Min result:	6.6	0.5	10.5	1.25	0.17	0.1
Average result	7.7	4.3	31	5.2	1	6.75
Number of exceedances of ELV: (Where applicable)	0	0	0	0	8	10
Overall compliance: (%)	100	100	100	100	33	17

NOTE: Information retrieved from effluent sampling results taken over period January 2021 to December 2021