Waste Water Discharge Authorisation

Attachment C.1 – Discharges & Monitoring

Applicant Name:*	Ballyvourney/Ballymakeera
Application I.D.:*	D0299

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						
EDEN Code (where applicable)	Unique Point Code	Discharge Location	Monitoring Location	Receiving Water Name	WFD Code Receiving Water	Type of Receiving Water
TPEFF0500D0299SW001	SW001	121490E, 076158N	121364E, 076412N	Sullane River	Sullane_030	River

Proposed 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
TBC	SW001	121449E, 076147N	121341E, 076057N	Sullane River	Sullane_030	River

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Proposed Discharges Emission Levels and Monitoring **as per D0299-01**							
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^3/24 hours	-	-	-	Continuous	Online	Online Flow Meter
pH	pH Units	-	6-9	-	Bi-monthly	Continuous	pH Meter and recorder
BOD	mg/l	-	25		Bi-monthly	Composite	Standard Method
COD	mg/l	-	125	-	Bi-monthly	Composite	Standard Method
Suspended Solids	mg/l	-	35	-	Bi-monthly	Composite	Standard Method
Ammonia (as N)	mg/l	-	1.5	-	Bi-monthly	Composite	Standard Method
Visual Inspection	Descriptive	-	-	-	Daily	Grab	Standard Method
Ortho-Phosphate (as P)	mg/l	-	0.8	-	Bi-monthly	Composite	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

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

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)

Proposed Storm Water Overflows (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)
TBC	SW002	121449E, 076147N	121317E, 076026N	Sullane River	Sullane_030	Y	N/A
TBC	SW003	121225E, 076310N	121290E, 076423N	Sullane River	Sullane_030	Y	N/A

* 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
TBC	SW004	121225E, 076310N	121290E, 076423N	Sullane River	Sullane_030

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 **Current WwTP – Jan – Nov 2021 & as per D0299-01 Monitoring Requirements.**

Parameter:	pH (pH unit)	cBOD (mg/l)	COD (mg/l)	Suspended Solids (mg/l)	Ortho-P (as P) (mg/l)	Ammonia – Total (as N) (mg/l)
Number of Samples:	5	5	5	5	5	5
Max result:	7.8	19	36	25	0.67	6.4
Min result:	6.9	1.4	10.5	3	0.06	0.2
Average result	7.30	8.42	18.30	12.60	0.292	1.82
Number of exceedances of ELV: (Where applicable)	0	0	0	0	0	1
Overall compliance: (%)	100%	100%	100%	100%	100%	80%