



## Waste Water Discharge Authorisation

### Attachment C.1 – Discharges & Monitoring

**Applicant Name:\***

Uisce Eireann

**Application I.D.:\***

Macroon - D0126-01

## 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
TPEFF0500D0126SW001	SW001	134957 E	134970 E	Sullane River	SW_19_1710	Fresh Water (river)
		72953 N	72935 N			

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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
pH	pH Units		6-9	-	Daily	Grab	pH meter and recorder
cBOD	mg/L	-	25	-	Monthly	Composite	Electrode
COD	mg/L	-	125	-	Monthly	Composite	Colorimetric
SS	mg/L	-	25	-	Monthly	Composite	Gravimetric
Ammonia (as N)	mg/L	-	1.7	-	Monthly	Composite	Colorimetric
Orthophosphate (as P)	mg/L	-	0.8	-	Monthly	Composite	Colorimetric
Visual	Descriptive	-	-	-	Weekly	Grab	Standard Method
Flow	m <sup>3</sup> /24 hours	-	-	-	Continuous	Online	Online Flow Probe Meter with Recorder

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 <b>(Not Applicable)</b>							
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)
TPEFF0500D0126SW002	SW002	134957 E 72953 N	134956 E 72970 N	Sullane River	SW_19_1710	Y	N/A
TPEFF0500D0126SW003	SW003	133877 E 73203 N	TBC	Sullane River	SW_19_1710	Y	N/A
TPEFF0500D0126SW004	SW004	134957 E 72953 N	TBC	Sullane River	SW_19_1710	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
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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)

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
High Level Overflow from upgraded Formula A Chamber (upstream of Inlet Works)	SW002	134957 E 72953 N	TBC	Sullane River	SW_19_1710
Masseytown Pumping Station	SW003	133877 E 73203 N	TBC	Sullane River	SW_19_1710

## 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	cBOD	COD	Suspended Solids	Total Phosphorous	Total Nitrogen	Ammonia	Ortho-Phosphate
Number of Samples:	13	13	13	13	13	13	13	13
Max result:	7.80	41.00	135.00	136.00	4.56	43.69	43.40	4.01
Min result:	7.40	1.90	21.00	2.50	0.59	7.78	2.30	0.21
Average result	7.54	16.56	70.08	30.85	2.22	25.49	19.56	1.86
Number of exceedances of ELV: (Where applicable)	0	7.00	2.00	5.00	N/A	6.00	13.00	9.00
Overall compliance: (%)	100%	46%	85%	62%	N/A	54%	0%	31%