



Waste Water Discharge Authorisation

Attachment C.1 – Discharges & Monitoring

Applicant Name:*

Irish Water

Application I.D.:*

D0437-01

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
TPEFF0500 D0437 SW001	SW001	126 750 E 101 936 N	126 750 E 101 936 N	Brogeen	IE_SW_18_2121	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
pH	pH Units	6-9	6-9		Weekly	Grab	pH meter and recorder
cBOD	mg/L	15 N/A	12.5	March 2024	Bimonthly	Composite	Electrode
COD	mg/L	125	125		Bimonthly	Composite	Colorimetric
SS	mg/L	25	25		Bimonthly	Composite	Gravimetric
Ammonia (N)	mg/L	0.5	0.5		Bimonthly	Composite	Colorimetric
Orthophosphate (P)	mg/L	0.3 N/A	0.25	March 2024	Bimonthly	Composite	Colorimetric
Visual	Descriptive	N/A			Weekly		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 (Not Applicable)							
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)
TPEFF0500D0437SW002	SW002	126 750E 101 936N	126 668E 101 751N	Brogeen	IE_SW_18_2121	N/A	March 2024
None	SW003	126 750E 101 936N	126 669E 101 752N	Brogeen	IE_SW_18_2121	N/A	March 2024
None	SW004	126 750E 101 936N	126 681E 101 714N	Brogeen	IE_SW_18_2121	Y	N/A
None	SW005	126 750E 101 936N	126 679E 101 730N	Brogeen	IE_SW_18_2121	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 (Not Applicable)					
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
Laharn East Pump Station	SW006	127 514E 102 396N	127 616E 101 617N	Brogeen	IE_SW_18_2121

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 1st Jan 2022 to 30th Nov 2022

Parameter:	Ortho-Phosphate (as P)	cBOD	COD	Total Phosphorous	Total Nitrogen	Total (as N) Ammonia-
Number of Samples:	11	11	11	11	11	11
Max result:	3.17	14	57	3.53	14.75	9.4
Min result:	0.53	1.5	<21	0.67	3.34	0.23
Average result	1.66	4.15	34	1.88	8.04	3.84
Number of exceedances of ELV: (Where applicable)	11	0	0	Not Applicable	Not Applicable	7
Overall compliance: (%)	0	100	100	Not Applicable	Not Applicable	30