



ATTACHMENT C.1:
DISCHARGES AND MONITORING



Waste Water Discharge Authorisation

Attachment C.1 – Discharges & Monitoring

Applicant Name:*

Irish Water

Application I.D.:*

D0052-01

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

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

Existing Primary Waste Water Discharge (SW001- to be retained)						
EDEN Code (where applicable)	Unique Point Code	Discharge Location	Monitoring Location	Receiving Water Name	WFD Code Receiving Water	Type of Receiving Water
TPEFF0500D0052SW001	SW001	157530E, 098140N	157396E, 098029N	Blackwater(Munster)_140	IE_SW_18B021720	River

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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	-	Daily	Composite	pH Meter and recorder
BOD	mg/l	-	25	-	Monthly	Composite	Standard Method
COD	mg/l	-	125	-	Monthly	Composite	Standard Method
Suspended Solids	mg/l	-	25	-	Monthly	Composite	Gravimetric
Ammonia (as N)	mg/l	-	3	31/12/ 2023	Monthly	Composite	Standard Method
Ortho-Phosphate (as P)	mg/l	-	1	31/12/ 2023	Monthly	Composite	Standard Method
Total Phosphorus	mg/l	-	2	31/12/ 2023	Monthly	Composite	Standard Method
Visual Inspection	Descriptive	-	-	-	Daily	Grab	Standard Method
Tributyltin	µg/l	-	-	-	Biennially	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) – Existing Storm Water Overflows (additional rows may be added as required)

Existing Storm Water Overflows (SWO)							
EDEN Code (Where available)	Unique Code	Discharge Location (6E, 6N)	SWO Device Location (6E, 6N)	Name of Receiving Water	WFD Code Receiving Water	Compliant* (Y/N)	Decommissioning date (where applicable)
TPEFF0500D0052SW002	SW002	156235E, 97966N	156253E, 97916N	Blackwater(Munster)_140	IE_SW_18B021720	N	January 2023
TPEFF0500D0052SW003	SW003	156245E, 97642N	156115E, 97591N	Blackwater(Munster)_140	IE_SW_18B021720	N	January 2023
TPEFF0500D0052SW004	SW004	156438E, 99586N	156343E, 99573N	Blackwater(Munster)_140	IE_SW_18B021720	N	January 2023
TPEFF0500D0052SW005	SW005	155067E, 97871N	155047E, 97800N	Blackwater(Munster)_120	IE_SW_18B021510	N	January 2023
TPEFF0500D0052SW006	SW006	155483E, 98935N	155483E, 98935N	Blackwater(Munster)_130	IE_SW_18B021600	N	January 2023
TPEFF0500D0052SW007	SW007	156218E, 97978N	156078E, 98364N	Blackwater(Munster)_140	IE_SW_18B021720	N	January 2023
TPEFF0500D0052SW008	SW008	155530E, 98572N	155675E, 98568N	Blackwater(Munster)_140	IE_SW_18B021600	N	January 2023

Existing Storm Water Overflows (SWO)							
EDEN Code (Where available)	Unique Code	Discharge Location (6E, 6N)	SWO Device Location (6E, 6N)	Name of Receiving Water	WFD Code Receiving Water	Compliant* (Y/N)	Decommissioning date (where applicable)
TPEFF0500D0052SW009	SW009	155976E, 98018N	155978E, 97941N	Blackwater(Munster)_130	IE_SW_18B021600	N	January 2023
TBC	SW010	156636E, 97862N	156276E 97905N	Blackwater(Munster)_140	IE_SW_18B021720	Y	Not Applicable

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

** To be decommissioned under the Mallow Wastewater Network Upgrade Project.

Table C.1(d) – Proposed Storm Water Overflows (additional rows may be added as required) (**Dual Function Storm Water Overflow/Emergency Overflow**)

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	SW010	156636E, 97862N	156415E, 097854N	Blackwater(Munster)_140	IE_SW_18B021720	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 (e) - Emergency Overflow (additional rows may be added as required)

Refer to **Table C.1(d)** – SW010 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
TBC	SW010	156636E, 97862N	156415E, 097854N	Blackwater(Munster)_140	IE_SW_18B021720

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(f) - Effluent monitoring results Monthly samples as per WWDL D0052-01 (January 2021-June 2022 data)

Parameter:	cBOD (mg/l)	COD (mg/l)	Suspended Solids (mg/l)	Total Ammonia (mg/l)	Ortho-phosphate (mg/l)	Total Phosphorous
Number of Samples:	18	18	18	18	18	18
Max result:	7.1	36	36	4.5	0.27	0.51
Min result:	0.71	14.85	3	0.2	0.035	0.07
Average result	3.57	24.55	10	1.54	0.11	0.22
Number of exceedances of ELV: (Where applicable)	0	0	1	3	0	0
Overall compliance: (%)	100%	100%	94%	83%	100%	100%