

# Application form

## Business water and/or wastewater connection



This form should be completed by a person or organisation who wishes to apply to Irish Water for a water and/or wastewater connection to be used for agriculture, horticulture, any trade, industry or business, or any purpose other than domestic. If completing this form by hand, please use BLOCK CAPITALS and black ink.

Please refer to the **Guide to completing the application form** on page 14 of this document when completing the form.

### Section A | Applicant details

1 **WPRN number (where available):**

2 **Applicant details:**

Registered company name (if applicable):

Trading name (if applicable):

Company registration number (if applicable):

If you are not a registered company/business, please provide the applicant's name:

Contact name:

Postal address:

Eircode:

Telephone:

Mobile:

Email:

3 **VAT number for applicant:**

Final VAT invoice will be issued to the person/company named in the applicant details section.

**4 Agent details (if applicable):**

Contact name:

Company name (if applicable):

Postal address:

Eircode:

Telephone:

Email:

**5 Please indicate whether it is the applicant or the agent who should receive future correspondence in relation to the enquiry:**

Applicant ☐ Agent ☐

## Section B | Site details

**6 Site address:**

**7 Irish Grid co-ordinates of site:** E(X)  N(Y)   
Eg. co-ordinates of GPO, O'Connell St., Dublin: E(X) 315,878 N(Y) 234,619

**8 Local Authority:**

Local Authority that granted planning permission (if applicable):

**9 Planning reference** (current reference and any previous planning reference that may be applicable):

Note: The development must have full planning permission before this form is submitted, or enter "EXEMPT" for exempted developments.

**10 Development size:**

Gross floor area of the proposed development:  m<sup>2</sup>

- 11 Type of premises:** New ☐ Existing ☐  
 If 'Existing', please specify existing use of premises:
- 12 Date that previous development was last occupied (if applicable):**   /   /
- 13 Are there potential contaminated land issues?** Yes ☐ No ☐  
 If 'Yes', please include a detailed site-specific report on the approach being taken to deal with contaminated land and the measures being taken to mitigate the impact on infrastructure.
- 14 Is the development compliant with the local area development plan?** Yes ☐ No ☐

### Section C | Water connection and demand details

- 15 Is there an existing connection to public water mains at the site?** Yes ☐ No ☐
- 16 Is this application for an additional connection to the one already installed?** Yes ☐ No ☐
- 17 Is this application to increase the size of an existing water connection?** Yes ☐ No ☐
- 18 Is this application for a new water connection?** Yes ☐ No ☐
- 19 Please indicate the proposed connection size and the approximate date the water connection is required:**  
 Size:      mm Date   /   /

- 20 Please indicate pre-development water demand (if applicable):**

Pre-development peak hour water demand		l/s
Pre-development average hour water demand		l/s

Pre-development refers to brownfield sites only. Please include calculations on the attached sheet provided.

- 21 Please indicate business water demand (shops, offices, schools, hotels, restaurants, etc.):**

Post-development peak hour water demand		l/s
Post-development average hour water demand		l/s

Please include calculations on the attached sheet provided. Where there will be a daily/weekly/seasonal variation in the water demand profile, please provide all such details.

**22 Please indicate the industrial water demand (industry-specific water requirements):**

<b>Post-development peak hour water demand</b>		<b>l/s</b>
<b>Post-development average hour water demand</b>		<b>l/s</b>

Please include calculations on the attached sheet provided. Where there will be a daily/weekly/seasonal variation in the water demand profile, please provide all such details.

23 What is the existing ground level at the property boundary at connection point (if known) above Malin Head Ordnance Datum?

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 m

24 What is the highest finished floor level of the proposed development above Malin Head Ordnance Datum?

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m

**25 Is on-site water storage being provided?**

Yes ☐ No ☐

Please include calculations (details and capacity) of all water storage provided on-site on the attached sheet provided.

**26 Are there fire flow requirements?**

Yes ☐ No ☐

Additional fire flow requirements over and above those identified in Q21-22		l/s
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Please include calculations on the attached sheet provided, and include confirmation of requirements from the Fire Authority.

27 Do you propose to supplement your potable water supply from other sources?

Yes ☐ No ☐

If 'Yes', please indicate how you propose to supplement your potable water supply from other sources (see **Guide to completing the application form** on page 14 of this document for further details):

[illegible]

## Section D | Wastewater connection and discharge details

**28 Is there an existing connection to a public sewer at the site?**

Yes ☐ No ☐

**29 Is this application for an additional connection to one already installed?**

Yes ☐ No ☐

**30 Is this application to increase the size of an existing connection?**

Yes ☐ No ☐

**31 Is this application for a new wastewater connection?**

Yes ☐ No ☐

**32 Please indicate the proposed connection size and the approximate date the wastewater connection is required:**

Size: 

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 mm

Date 

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 / 

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 / 

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**33 Please indicate pre-development wastewater discharge (if applicable):**

<b>Pre-development peak discharge</b>		<b>l/s</b>
<b>Pre-development average discharge</b>		<b>l/s</b>

Pre -development refers to brownfield sites only. Please include calculations on the attached sheet provided.

**34 Please indicate the business wastewater hydraulic load (shops, offices, schools, hotels, restaurants, etc.):**

<b>Post-development peak discharge</b>		<b>l/s</b>
<b>Post-development average discharge</b>		<b>l/s</b>

Please include calculations on the attached sheet provided.

**35 Please indicate the industrial wastewater hydraulic load (industry-specific discharge requirements):**

<b>Post-development peak discharge</b>		<b>l/s</b>
<b>Post-development average discharge</b>		<b>l/s</b>

Please include calculations on the attached sheet provided.

**36 Wastewater organic load:**

<b>Characteristic</b>	<b>Max concentration (mg/l)</b>	<b>Average concentration (mg/l)</b>	<b>Maximum daily load (kg/day)</b>
Biochemical oxygen demand (BOD)			
Chemical oxygen demand (COD)			
Suspended solids (SS)			
Total nitrogen (N)			
Total phosphorus (P)			
<b>Other</b>			

<b>Temperature range</b>	
<b>pH range</b>	

**37 Is a Trade Effluent Discharge to Sewer Licence required?**

Yes ☐ No ☐

If 'Yes', please complete the wastewater characteristic form included in this document (see Table 1 below) in order to allow us to ascertain the nature of the effluent to be discharged to the Irish Water network. A Trade Effluent Discharge to Sewer Licence can be applied for at **[www.water.ie/tradeeffluent](http://www.water.ie/tradeeffluent)**



**44 Is the development multi-phased?**

Yes ☐ No ☐

If 'Yes', application must include a master-plan identifying the development phases and the current phase number.

If 'Yes', please provide details of variations in water demand volumes and wastewater discharge loads due to phasing requirements.

## Section F | Supporting documentation

**45 Please provide clear and legible versions of the following documents:**

- > Site location map: A site location map to a scale of 1:1000, which clearly identifies the land or structure to which the application relates. The map shall include the following details:
  - a) The scale shall be clearly indicated on the map.
  - b) The boundaries shall be delineated in red.
  - c) The site co-ordinates shall be marked on the site location map.
- > Details of planning and development exemptions (if applicable).
- > Calculations (calculation sheets provided below).
- > Site layout map(s) to a scale of 1:500 showing layout of proposed development, water network and wastewater network layouts, additional water/wastewater infrastructure if proposed, connection points to Irish Water infrastructure (if known). Please include clear layouts of any existing and/or proposed services within the site.
- > Any other information that might help Irish Water assess this application.

## Section G | Declaration

I/We hereby make this application to Irish Water for a water and/or wastewater connection as detailed on this form.

I/We understand that any alterations made to this application must be declared to Irish Water.

The details that I/we have given with this application are accurate.

I/We have enclosed all the necessary supporting documentation.

Signature:

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Date:

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Your full name (in BLOCK CAPITALS):

[illegible]

Irish Water will carry out a formal assessment based on the information provided on this form.

Any future connection offer made by Irish Water will be based on the information that has been provided here.

Please submit the completed form to **newconnections@water.ie** or alternatively, post to:

## Irish Water

**PO Box 860**

## South City Delivery Office

## Cork City

For office use only:

Input customer number:

[illegible]



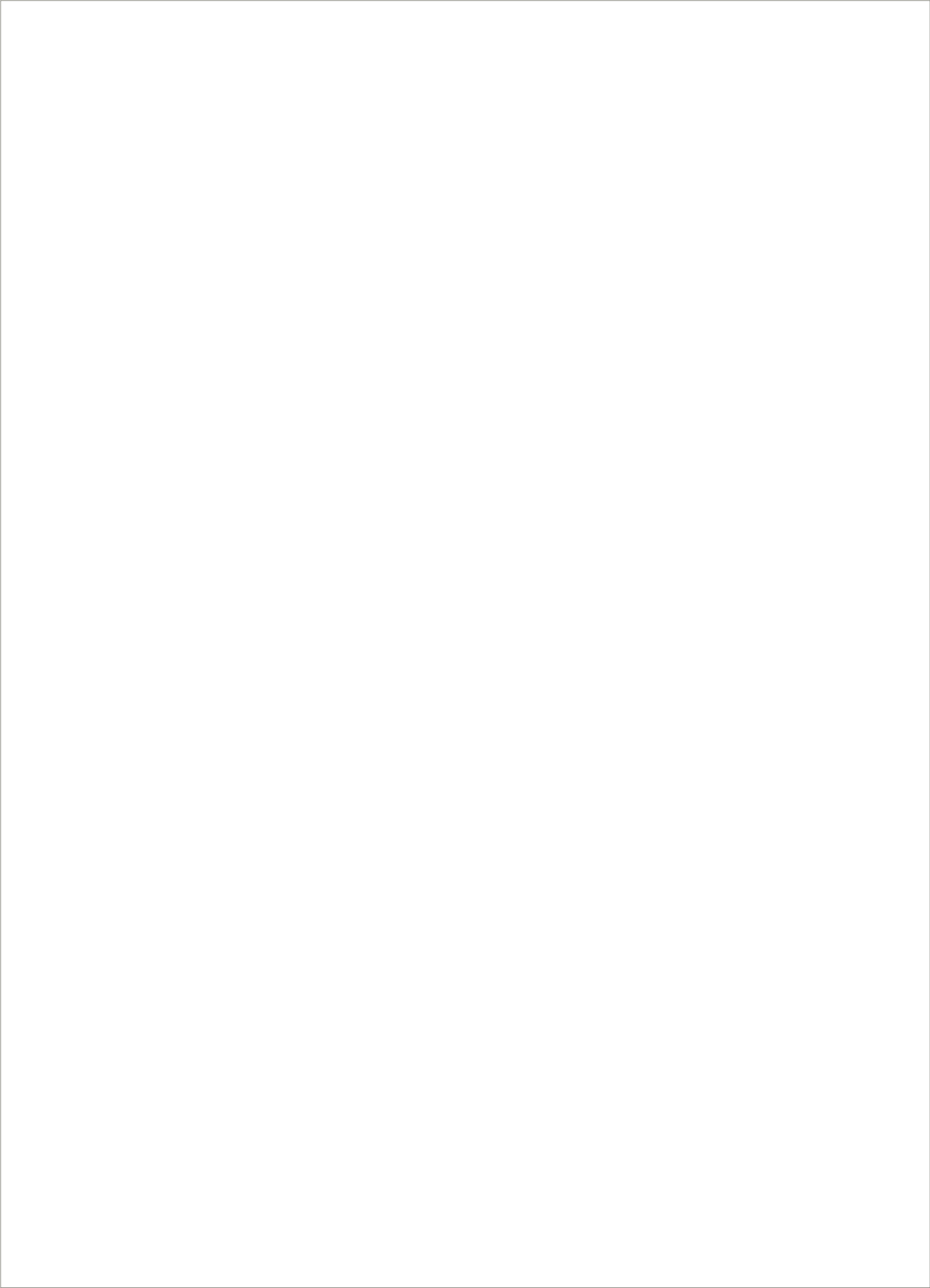
# Calculations

Water demand

On-site storage

Fire flow requirements





**Table 1: Wastewater characteristic form**

(Only to be filled out if a Trade Effluent Discharge to Sewer Licence is required).

Wastewater characteristic:	Prior to treatment	As discharged
Temperature (oC)		
pH		
Colour (degrees Hazen)		
BOD (mg/l)		
COD (mg/l)		
Suspended solids (mg/l)		
Settleable solids (mg/l)		
Dissolved solids (mg/l)		
Ammonia (as N) (mg/l)		
Nitrates (as N) (mg/l)		
Phosphorus (as P) (mg/l)		
Sulphates (as SO <sub>4</sub> ) (mg/l)		
Chlorides (as Cl) (mg/l)		
Phenols (as C <sub>6</sub> H <sub>5</sub> OH) (mg/l)		
Detergents (as lauryl sulphate)		
Fats, oils and grease (mg/l)		
Metals (specify each) (mg/l)		
Organohalogen compounds (specify each)		
Organophosphorus compounds (specify each)		
Organotin compounds (specify each)		
Mineral oils or hydrocarbons of petroleum origin (mg/l)		
Other relevant characteristics		

## Guide to completing the application form

This form should be completed by customers requiring a business water and/or wastewater connection to Irish Water infrastructure.

The Irish Water Codes of Practice are available at [www.water.ie](http://www.water.ie) for reference.

### Section A | Applicant details

- Question 1:** 'Water Point Reference Number (WPRN)' is a unique number assigned to every single water services connection in the country. The WPRN is prominently displayed on correspondence received from Irish Water, and can be found on water bills, previous connection offers, or previous enquiries in relation to the site. Existing customers and brownfield sites should have a WPRN. New customers are not required to answer this question.
- Question 2:** This question requires the applicant or company applying for a connection to identify themselves, their postal address, and to provide their contact details.
- Question 3:** Please provide VAT number for the applicant or company applying for a connection, if applicable.
- Question 4:** If the applicant has employed a consulting engineer or an agent to manage the application on their behalf, the agent's address and contact details should be recorded here.
- Question 5:** Please indicate whether it is the applicant or the agent who should receive future correspondence in relation to the enquiry.

### Section B | Site details

- Question 6:** This is the address of the site requiring the water/wastewater service connection and for which this application is being made.
- Question 7:** Please provide the Irish Grid co-ordinates of the proposed site. Irish grid positions on maps are expressed in two dimensions as Eastings (E or X) and Northings (N or Y) relative to an origin. You will find these coordinates on your Ordnance Survey map which is required to be submitted with the application.
- Question 8:** Please identify the Local Authority that is dealing with your planning application, for example Cork City Council.
- Question 9:** Please provide the planning reference number granting planning approval for your proposed development. Irish Water use this to verify floor area and to verify that the development is planning compliant.
- Question 10:** Please enter the floor area of the development for which you are applying to connect to the Irish Water infrastructure.
- Question 11:** Please indicate if there is an existing premises, and where there is, please specify the current use of the premises, for example commercial or industrial business type. If greenfield, please state 'agricultural'. This will help us to determine the current water demand and wastewater discharge.
- Question 12:** Please specify the date that the development site was last occupied. Your answer will help us to determine the previous water usage/wastewater load of the development. If the site was previously greenfield, then this question does not need to be completed.
- Question 13:** Please provide details in relation to contaminated land on your site (if any); this will determine what pipe material will be appropriate in the vicinity of the contaminated ground.
- Question 14:** Please indicate if the development is compliant with the local area development plan.

## Section C | Water connection and demand details

- Question 15:** Please indicate if a water connection already exists for this site.
- Question 16:** Please indicate if this application is for an additional connection to one already installed on the site.
- Question 17:** Please indicate if you are proposing to upgrade the water connection to facilitate an increase in water demand. Irish Water will determine what impact this will have on our infrastructure.
- Question 18:** Please indicate if a new water connection is required.
- Question 19:** Please indicate the proposed size of the connection and the approximate date that the proposed connection to the water infrastructure will be required.
- Question 20:** If the site was previously in use, please provide details of the pre-development peak hour and average hour water demand.
- Question 21:** If this connection application is for a business premises, please provide calculations for the water demand and include your calculations on the attached sheet provided. Business premises include shops, offices, hotels, schools, etc. Demand rates (peak and average) are site specific. Average demand is the total daily volume divided by a 24-hour time period and expressed in litres per second (l/s). The peak demand for sizing the pipe network will be as per the specific industry's production requirements. For design purposes, please refer to the Irish Water Codes of Practice for Water Infrastructure.
- Question 22:** If this connection application is for an industrial premises, please calculate the water demand and include your calculations on the attached sheet provided. Demand rates (peak and average) are site specific. Average demand is the total daily volume divided by a 24-hour time period and expressed in litres per second (l/s). The peak demand for sizing the pipe network will be as per the specific business production requirements. For design purposes, please refer to the Irish Water Codes of Practice for Water Infrastructure.
- Question 23:** Please specify the ground level at the location where connection to the public water mains will be made. This is required in order to determine if there is sufficient pressure in the existing water infrastructure to serve your proposed development. Levels should be quoted in metres relative to Malin Head Ordnance Datum.
- Question 24:** Please specify the highest finished floor level on-site. This is required in order to determine if there is sufficient pressure in the existing water infrastructure to serve your proposed development. Levels should be quoted in metres relative to Malin Head Ordnance Datum.
- Question 25:** If storage is required, water storage capacity of 24-hour water demand must usually be provided at the proposed site. In some cases, 24-hour storage capacity may not be required, for example 24-hour storage for a domestic house would be provided in an attic storage tank. Please calculate the 24-hour water storage requirements and include your calculations on the attached sheet provided. Please also confirm that on-site storage is being provided by ticking the appropriate box.
- Question 26:** The water supply system shall be designed and constructed to reliably convey the water flows that are required of the development including fire flow requirements by the Fire Authority. The Fire Authority will provide the requirement for fire flow rates that the water supply system will have to carry. Please note that while flows in excess of your required demand may be achieved in the Irish Water network and could be utilised in the event of a fire, Irish Water cannot guarantee a flow rate to meet your fire flow requirement. To guarantee a flow to meet the Fire Authority requirements, you should provide adequate fire storage capacity within your development. Please include your calculations on the attached sheet provided, and further provide confirmation of the Fire Authority requirements.
- Question 27:** Please identify proposed additional water supply sources, that is, do you intend to connect to the public water mains or the public mains and supplement from other sources. If supplementing public water supply with a supply from another source, please provide details as to how the Irish Water potable water supply is to be protected from cross contamination at the premises.

## Section D | Wastewater connection and discharge details

- Question 28:** Please indicate if a wastewater connection to a public sewer already exists for this site.
- Question 29:** Please indicate if this application is for an additional wastewater connection to one already installed.
- Question 30:** Please indicate if you are proposing to upgrade the wastewater connection to facilitate an increased discharge. Irish Water will determine what impact this will have on our infrastructure.
- Question 31:** Please indicate if a new wastewater connection is required.
- Question 32:** Please specify the proposed size of the connection and the approximate date that the proposed connection to the wastewater infrastructure will be required.
- Question 33:** If the site was previously in use, please provide details of the pre-development peak and average wastewater discharge.
- Question 34:** If this connection application is for a business premises, please provide calculations for the wastewater and include your calculations on the attached sheet provided. Business premises include shops, offices, hotels, schools, etc. Discharge rates (peak and average) are site specific. Average discharge is the total daily volume divided by a 24-hour time period and expressed in litres per second (l/s). The peak discharge for sizing the pipe network will be as per the specific business production requirements. Please refer to the Irish Water Codes of Practice for Wastewater Infrastructure.
- Question 35:** If this connection application is for an industrial premises, please calculate the wastewater and include your calculations on the attached sheet provided. Discharge rates (peak and average) are site specific. Average discharge is the total daily volume divided by a 24-hour time period and expressed in litres per second (l/s). The peak discharge for sizing the pipe network will be as per the specific industry's production requirements. Please refer to the Irish Water Codes of Practice for Wastewater Infrastructure.
- Question 36:** Please specify the maximum and average concentrations and the maximum daily load of each of the wastewater characteristics listed in the wastewater organic load table, and also specify if any other significant concentrations are expected in the effluent. Please complete the table and provide additional supporting documentation if relevant. Note that the concentration shall be in mg/l and the load shall be in kg/day. Note that for business premises (shops, offices, schools, hotels, etc.) for which only domestic effluent will be discharged (excluding discharge from canteens/restaurants which would require a Trade Effluent Discharge to Sewer Licence), there is no need to complete this question.
- Question 37:** Where a Trade Effluent Discharge to Sewer Licence is required, it will need to be applied for separately - visit [www.water.ie/tradeeffluent](http://www.water.ie/tradeeffluent) Note however that a full suite of quality analysis of the proposed discharge should be provided as part of this application by filling out Table 1 above. If you do not need a Trade Effluent Discharge to Sewer Licence, please do not fill out this form.
- Question 38:** In exceptional circumstances, such as brownfield sites, where the only practical outlet for storm/surface water is to a combined sewer, Irish Water will consider permitting a restricted attenuated flow to the combined sewer. Storm/surface water will only be accepted from brownfield sites that already have a storm/surface water connection to a combined sewer and the applicant must demonstrate how the storm/surface water flow from the proposed site is minimised using sustainable urban drainage system (SUDS). This type of connection will only be considered on a case by case basis. Please advise if the proposed development intends discharging surface water to the combined wastewater collection system. If so, please submit detailed calculations in relation to attenuation volumes, peak discharges and total discharge volumes.
- Question 39:** If the development needs to pump its wastewater discharge to gain access to the Irish Water infrastructure, then please specify the pump flow rate, timings of discharge, and provide justification for the pumped solution.
- Question 40:** Please specify the ground level at the location where connection to the public sewer will be made. This is required in order to determine if the development can be connected to the public sewer via gravity discharge. Levels should be quoted in metres relative to Malin Head Ordnance Datum.
- Question 41:** Please specify the lowest floor level of the proposed development. This is required in order to determine if the development can be connected to the public sewer via gravity discharge. Levels should be quoted in metres relative to Malin Head Ordnance Datum.



## Section E| Development details

**Question 42:** Please specify the number of different property/premises types by filling in the table provided.

**Question 43:** Please indicate the approximate commencement date of works on the development.

**Question 44:** Please indicate if a phased building approach is to be adopted when developing the site. If so, please provide details of the phase master-plan and the proposed variation in water demand/wastewater discharge as a result of the phasing of the development.

## Section F| Supporting documentation

Please provide additional information as listed.

## Section G| Declaration

Please review the declaration, sign, and return the completed application form to Irish Water by email or by post using the contact details provided in Section G.





