

Application form

Single 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.

This form is only to be used for a **single business premise/connection**. If the application is for more than one unit please complete the Multi/Mixed Use Development Application form. If completing this form by hand, please use BLOCK CAPITALS and black ink. Please note that this is a digital PDF form and can be filled in electronically.

For **agricultural water connections**, please complete the following fields: Section A, Section D (questions 16-18) and Section E (questions 27-29).

Please refer to the **Guide to completing the application form** on page 15 of this document when completing the form.

*** Denotes mandatory/ required field. Please note, if mandatory fields are not completed the application will be returned.**

Section A | Applicant details

1 **PCE Reference Number (if applicable):**

2 ***Applicant details:**

Registered company name (if applicable):

Trading name (if applicable):

Company registration number (if applicable):

Parent company registered company name (if applicable):

Parent company registration number (if applicable):

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

*Contact name:

*Postal address:

*Eircode:

Please provide either a landline or a mobile number

Landline:

*Mobile:

*Email:

3 Agent details (if applicable):

The fields marked with * in this section are mandatory if using an agent

*Contact name:

Company name (if applicable):

*Postal address:

*Eircode:

Please provide either a landline or a mobile number

Landline:

*Mobile

*Email:

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

Applicant

Agent

Section B | Site details

5 *Site address 1 (include Site name/Building name/Building number):

*Address 2

*Address 3

*City/Town

*County Eircode

6 *Irish Grid co-ordinates (proposed connection point):

Eastings (X) Northings (Y)

Note: Values for Eastings must be between 015,900 and 340,000. Northings, between 029,000 and 362,000

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

7 *Local Authority:

Local Authority that granted planning permission (if applicable):

Section D | Water connection and demand details

16 ***Is there an existing connection to public water mains at the site?** Yes No

16.1 If yes, is this application for an additional connection to one already installed? Yes No

16.2 If yes, is this application to increase the size of an existing water connection? Yes No

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

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

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

17 ***Approximate date water connection is required:** / /

18 ***What diameter of water connection is required to service this development?** mm

Please note that the connection size provided may be used to determine the connection charge.

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

Post-development peak hour water demand		I/s
Post-development average hour water demand		I/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.

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

Post-development peak hour water demand		I/s
Post-development average hour water demand		I/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.

21 **Please specify the Annual Quantity:** m³/year

Note: The Annual Quantity is the volume of water supplied and/or wastewater collected over a 12 month period.

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

m

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

m

36 ***Do you propose to pump the foul wastewater?** Yes No

If 'Yes', please include justification for your pumped solution with this application.

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

 m

38 **What is the lowest finished floor level on site above Malin Head Ordnance Datum?**

 m

39 **What is the proposed invert level of the pipe exiting the property to the public road?**

 m

Section F | Supporting documentation

Please provide clear and legible versions of the following mandatory documents (all mandatory):

- > 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.
- > 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.
- > All design submissions as outlined in the **Irish Water Codes of Practice for Water Infrastructure** and the **Irish Water Codes of Practice for Wastewater Infrastructure**, including the layout of all other services to be provided within the site (for example: gas, electricity, telecommunications).
- > All design calculations as outlined in the Irish Water Codes of Practice for Water Infrastructure and the Irish Water Codes of Practice for Wastewater Infrastructure.
- > Conceptual design of the connecting asset to the proposed development to the existing Irish Water infrastructure including service conflicts, gradients, pipe sizes and invert levels.
- > Any other information that would help Irish Water assess this application.

Calculations

Water demand

On site storage



Fire flow requirements

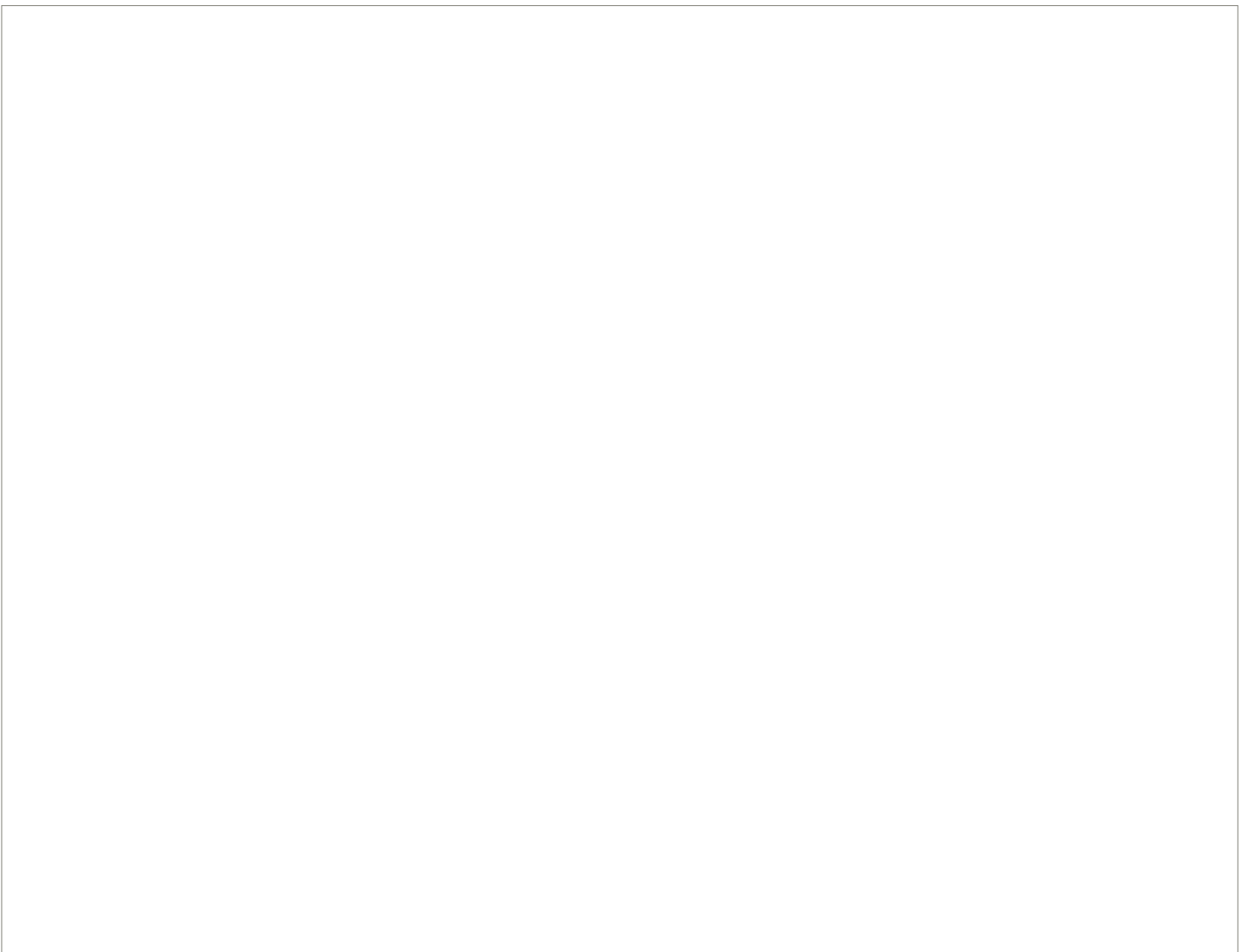






Table 1: Wastewater characteristic form

(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 ₄) (mg/l)		
Chlorides (as Cl) (mg/l)		
Phenols (as C ₆ H ₅ 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 for reference.

Section A | Applicant details

- Question 1:** Please state the Pre-Connection Enquiry (PCE) reference number provided during the Pre-Connection Enquiry Phase if applicable.
- 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:** 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 4:** Please indicate whether it is the applicant or the agent who should receive future correspondence in relation to the application.

Section B | Site details

- Question 5:** This is the address of the site requiring the water/wastewater service connection and for which this application is being made.
- Question 6:** 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 7:** Please identify the Local Authority that granted planning permission.
- Question 8:** Please provide the planning reference number granting planning approval for your proposed development.
- Question 9:** Please indicate if full planning permission has been granted. If "yes" enter the date it was granted.
- Question 10:** 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 10.1:** 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 10.2:** 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 11:** 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 12:** Please indicate if this development is affiliated with a government body/agency, and if so, specify.

Section C | Development details

- Question 13:** Please select the proposed industry/business use by ticking the appropriate box in the table provided. Only one option should be selected as this form is for a Single Business connection.
- If more than one unit is required, please complete the 'Multi/mixed use development' application form.

- Question 13.1:** If you have selected any of the “Food Processing”, “Industrial unit / Manufacturing”, “Sports Facility” or “Other” categories in the checklist, please provide here the specific details of your proposed business use. For example, the nature of the Food Processing business, the type of Sports Facilities or the specifics of your business if you have selected “Other”.
- Question 14:** Please indicate the approximate commencement date of works on the development.
- Question 15:** Please indicate the type of connection required by ticking the appropriate box and proceed to complete the appropriate section or sections. In the majority of cases, we would expect an application to be for both “Water” and “Wastewater” services. If only one service is applied for, please provide details of how the service not applied for will be fulfilled.

Section D | Water connection and demand details

- Question 16:** Please indicate if a water connection already exists for this site.
- Question 16.1:** Please indicate if this enquiry concerns an additional connection to one already installed on the site.
- Question 16.2:** 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 16.3:** If the site was previously in use, please provide details of the pre-development peak hour and average hour water demand.
- Question 17:** Please indicate the approximate date that the proposed connection to the water infrastructure will be required.
- Question 18:** Please indicate what diameter of water connection is required to service this development.
- Question 19:** 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 20:** 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 21:** Please specify the Annual Quantity. An Annual Quantity (AQ) will be calculated once a year for every non-domestic metered connection. The AQ calculates the volume of water supplied and/or wastewater collected over a prior 12 month period. The AQ assigns each metered connection to a tariff class for the following tariff year and determines the corresponding tariffs which that connection will be charged. For example a metered connection with an AQ below 1,000m³ availing of water supply only services will be assigned to band 1.
- Question 22:** 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 23:** 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 24:** 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 25:** 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 26:** 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 E | Wastewater connection and discharge details

- Question 27:** Please indicate if a wastewater connection to a public sewer already exists for this site.
- Question 27.1:** Please indicate if this application is for an additional wastewater connection to one already installed.
- Question 27.2:** 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 27.3:** If the site was previously in use, please provide details of the pre-development peak and average wastewater discharge.
- Question 28:** Please specify the approximate date that the proposed connection to the wastewater infrastructure will be required.
- Question 29:** Please indicate what diameter of wastewater connection is required to service this development.
- Question 30:** 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 31:** 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 32:** Please specify the Annual Quantity. An Annual Quantity (AQ) will be calculated once a year for every non-domestic metered connection. The AQ calculates the volume of water supplied and/or wastewater collected over a prior 12 month period. The AQ assigns each metered connection to a tariff class for the following tariff year and determines the corresponding tariffs which that connection will be charged. For example a metered connection with an AQ below 1,000m³ availing of water supply only services will be assigned to band 1.
- Question 33:** 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 34:** Where a Trade Effluent Discharge to Sewer Licence is required, it will need to be applied for separately - visit 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 35:** 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.
- Question 36:** 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 37:** 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 38:** 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.
- Question 39:** Please specify the proposed invert level of the pipe exiting the property to the public road.

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.

