

Application form

Multi/mixed use development water and/or wastewater connection



This form should be completed by a person or organisation who wishes to apply to Uisce Éireann for a water and/or wastewater connection to be used for both domestic and for any trade, industry or business, or any purpose other than domestic for more than one unit. 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

Please refer to the **Guide to completing the application form** on page 16 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 Developer details:

The fields in this section are mandatory if a developer is involved.

*Contact name:

Company name (if applicable):

Company registration number (if applicable):

*Postal address:

*Eircode:

Please provide either a landline or a mobile number

Landline:

*Mobile

*Email:

5 *Please indicate whether the applicant, agent or developer who should be contacted in relation to this application:

Applicant

Agent

Developer

Section D | Water connection and demand details

- 19 ***Is there an existing connection to public water mains at the site?** Yes No
- 19.1 If yes, is this application for an additional connection to one already installed? Yes No
- 19.2 If yes, is this application to increase the size of an existing water connection? Yes No
- 19.3 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.

- 20 ***Approximate date water connection is required:** / /

- 21 ***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.

- 22 ***Is more than one connection required to the public infrastructure to service this development?** Yes No

If 'Yes', how many?

- 23 ***Please indicate the domestic water demand for the proposed development:**

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

Please include calculations on the attached sheet provided.

- 24 ***Please indicate the 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. Please provide the breakdown of water demand for each individual unit.

- 25 ***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. Please provide the breakdown of water demand for each individual unit.

35 Please indicate the domestic wastewater hydraulic load for the proposed development:

Post-development peak discharge		l/s
Post-development average discharge		l/s

Please include calculations on the attached sheet provided. Please provide the breakdown of the peak and average discharge for each individual unit.

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

Post-development peak discharge		l/s
Post-development average discharge		l/s

Please include calculations on the attached sheet provided. Please provide the breakdown of the peak and average discharge for each individual unit.

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

Post-development peak discharge		l/s
Post-development average discharge		l/s

Please include calculations on the attached sheet provided. Please provide the breakdown of the peak and average discharge for each individual unit.

38 Wastewater organic load:

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

Temperature range	
pH range	

39 *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 Uisce Éireann network. A Trade Effluent Discharge to Sewer Licence can be applied for at www.water.ie/tradeeffluent

Calculations

Water demand

On-site storage

A large, empty rectangular box with a thin black border, intended for providing details about on-site storage.

Fire flow requirements

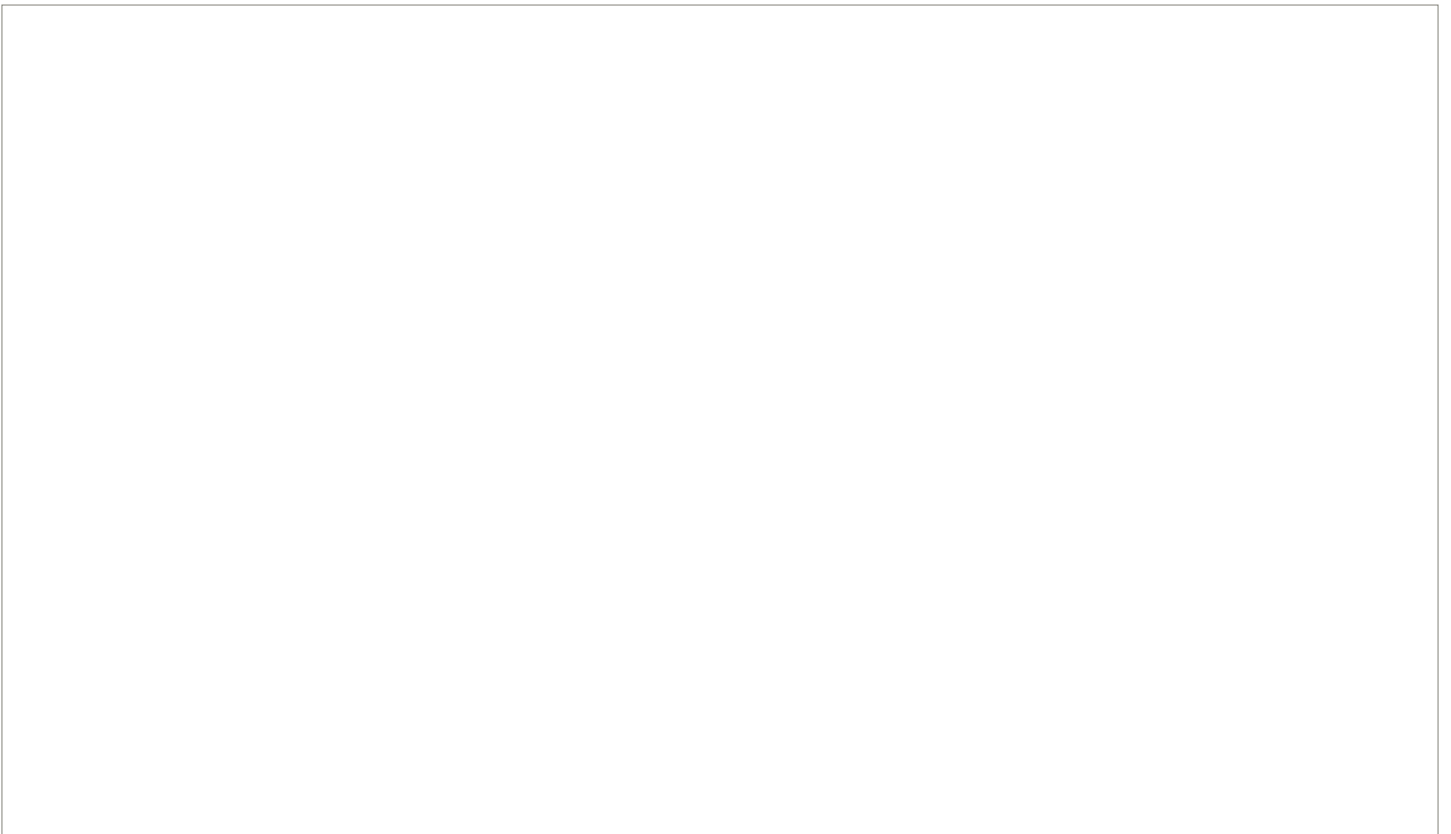
A large, empty rectangular box with a thin black border, intended for providing details about fire flow requirements.





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 Uisce Éireann infrastructure when applying for a connection that will serve at least 2 units: 2 or more business/industrial units or a mixture of domestic and business/industrial units.

The Uisce Éireann 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. This section is mandatory if you have selected "Agent" as the preferred contact option in Question 5.
- Question 4:** Please provide the name, postal address, and contact details of the developer for the proposed new development. This section is mandatory if you have selected "Developer" as the preferred contact option in Question 5.
- Question 5:** Please indicate whether it is the applicant, the agent or the developer who should receive future correspondence in relation to the application.

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 your proposed development.
- Question 10:** Please indicate if full planning permission has been granted. If "yes" enter the date it was granted.
- Question 11:** Please indicate if there is an existing premises, and where there is, please specify the current use of the premises, for example business or industrial type. If greenfield, please advise 'agricultural'. This will help us to determine the current water demand and wastewater discharge.
- Question 11.1:** Please specify the date that the development site was last occupied. Your answer will help us to determine the previous water usage of the development. If the site was previously greenfield, then this question does not need to be completed.
- Question 11.2:** 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 Uisce Éireann, 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 12:** 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 13:** Please indicate if this development is affiliated with a government body/agency, and if so, specify.

Section C | Development details

- Question 14:** Please detail the number of each property type in the Domestic table provided. For single residential units, use the Single Domestic application form.

Please detail the number of units for each industry/business type in the Industry/business table provided. For single business units use the Single Business Application Form. For housing developments, use the Housing Development application form.

If your proposed business use is not on the list, provide details of the proposed use in 'Other (please specify type)' and enter the number of units.

Question 14.1: Please indicate the maximum expected occupancy for the business/industry units selected. Note: This should be the number of people, according to the proposed development you selected (e.g. Number of office workers, number of nursing home residents, maximum pub occupancy, maximum hotel occupancy, number of retail workers).

Question 14.2: 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 15: Please indicate the approximate commencement date of works on the development.

Question 16: Please indicate if a phased building approach is to be adopted when developing the site.

Question 16.1: If yes, please provide details of the phase master-plan.

Question 16.2: If yes, please provide details of the proposed variation in water demand/wastewater discharge as a result of the phasing of the development.

Question 16.3: Please specify which phase of the development this application is associated with.

Question 16.4: Please specify the number of dwelling units associated with the overall development.

Question 16.5: Please specify the number of dwelling units associated with this application.

Question 17: Please indicate if the developer will install local infrastructure as defined under the Uisce Éireann Codes of Practice for Water Infrastructure and/or the Uisce Éireann Codes of Practice for Wastewater Infrastructure.

'Local infrastructure' means water supply and wastewater collection pipework and accessories infrastructure that is located within the boundary of the new development and which will be constructed to facilitate water supply or wastewater collection from the individual units within the development, excluding service connections.

Question 18: Please indicate the type of connection required by ticking the appropriate box and proceed to complete the appropriate section or sections.

Section D | Water connection and demand details

Question 19: Please indicate if a water connection already exists for this site.

Question 19.1: Please indicate if this application is for an additional connection to one already installed on the site.

Question 19.2: Please indicate if you are proposing to upgrade the water connection to facilitate an increase in water demand. Uisce Éireann will determine what impact this will have on our infrastructure.

Question 19.3: If the site was previously in use, please provide details of the pre-development peak hour and average hour water demand.

Question 20: Please indicate the approximate date that the proposed connection to the water infrastructure will be required.

Question 21: Please indicate what diameter of water connection is required to service this development. Please note that the connection size provided may be used to determine the connection charge.

Question 22: Please indicate if more than one connection is required to service this development.

Question 23: Please calculate the domestic water demand and include your calculations on the calculation sheet provided. Average domestic daily demand in a development can be established based on daily per-capita consumption, house occupancy, number of properties, 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). For design purposes, please refer to the Uisce Éireann Codes of Practice for Water Infrastructure.

- Question 24:** If this connection application is for a business premises, please provide calculations for the water demand and include your calculations on the calculation 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 business production requirements. For design purposes, please refer to the Uisce Éireann Codes of Practice for Water Infrastructure.
- Question 25:** If this connection application is for an industrial premises, please calculate the water demand and include your calculations on the calculation 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 Uisce Éireann Codes of Practice for Water Infrastructure.
- Question 26:** 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 27:** 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 28:** 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 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 29:** 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 Uisce Éireann network and could be utilised in the event of a fire, Uisce Éireann 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 30:** 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 Uisce Éireann potable water supply is to be protected from cross contamination at the premises.

Section E | Wastewater connection and load details

- Question 31:** Please indicate if a wastewater connection to a public sewer already exists for this site.
- Question 31.1:** Please indicate if this application is for an additional wastewater connection to one already installed.
- Question 31.2:** Please indicate if you are proposing to upgrade the wastewater connection to facilitate an increased discharge. Uisce Éireann will determine what impact this will have on our infrastructure.
- Question 31.3:** If the site was previously in use, please provide details of the pre-development peak and average wastewater discharge.
- Question 32:** Please indicate the approximate date that the proposed connection to the wastewater infrastructure will be required.
- Question 33:** Please indicate what diameter of wastewater connection is required to service this development.
- Question 34:** Please indicate if more than one connection is required to service this development. Please note that the connection size provided may be used to determine the connection charge.

- Question 35:** Please calculate the wastewater loading and include your calculations on the calculation sheet provided. Average discharge is the total daily volume divided by a 24-hour time period and expressed in litres per second (l/s). Sewers carrying domestic wastewater from housing developments should be designed to carry a minimum wastewater volume of six times dry weather flows (6DWF). Dry weather flows (DWF) should be taken as 600 litres per dwelling (three persons per house and a per capita wastewater flow of 200 litres per head per day). For design purposes, please refer to the Uisce Éireann Codes of Practice for Wastewater Infrastructure.
- Question 36:** If this connection application is for a business premises, please provide calculations for the wastewater and include your calculations on the calculation 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 business production requirements. Please refer to the Uisce Éireann Codes of Practice for Wastewater Infrastructure.
- Question 37:** If this connection application is for an industrial premises, please calculate the wastewater and include your calculations on the calculation 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 business production requirements. Please refer to the Uisce Éireann Codes of Practice for Wastewater Infrastructure.
- Question 38:** 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 39:** 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 40:** In exceptional circumstances, such as brownfield sites, where the only practical outlet for storm/surface water is to a combined sewer, Uisce Éireann 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 a 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 41:** If the development needs to pump its wastewater discharge to gain access to the Uisce Éireann infrastructure, please specify the pump flow rate, timings of discharge, and provide justification for the pumped solution on the calculation sheet provided.
- Question 42:** 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 43:** 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 44:** 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 Uisce Éireann by email or by post using the contact details provided in Section G.

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