

Application form

Mixed use development 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 both domestic and for 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):

[illegible]

5 Developer details:

[illegible]

6 Where the applicant is a company (registered under the Companies Act, 2014), please provide the following details:

Name(s) and address(es) of company director(s):

[illegible]

Additional details can be provided on a separate sheet.

7 Please indicate whether it is the applicant, agent or developer who should receive future correspondence in relation to the enquiry:

Applicant ☐

Agent ☐

Developer ☐

Section B | Site details

8 Site address:

9 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

10 Local Authority:
Local Authority that granted planning permission (if applicable):

11 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.

12 Development size:
Gross floor area of the proposed development: m²

13 Type of premises: New ☐ Existing ☐
If 'Existing', please specify existing use of premises:

14 Date that previous development was last occupied (if applicable): / /

15 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.

16 Is the development compliant with the local area development plan? Yes ☐ No ☐

Section C | Water connection and demand details

- 17 Is there an existing connection to public water mains at the site? Yes ☐ No ☐
- 18 Is this application for an additional connection to the one already installed? Yes ☐ No ☐
- 19 Is this application to increase the size of an existing water connection? Yes ☐ No ☐
- 20 Is this application for a new water connection? Yes ☐ No ☐

21 Approximate date water connection is required:

 / /

22 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.

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

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

Please include calculations on the attached sheet provided.

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

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

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

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.

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

 m

27 What is the highest finished floor level on site above Malin Head Ordnance Datum?

 m

- Please include calculations on attached sheet provided.

- | | | |
|---|--|-----|
| Additional fire flow requirements over and above those identified in Q23-25 | | I/s |
|---|--|-----|

Please include calculations on the attached sheet provided, and include confirmation of requirements from the Fire Authority.

- 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

- 35 Approximate date that wastewater connection is required:

		/			/				
--	--	---	--	--	---	--	--	--	--

- | | | |
|-----------------------------------|--|-----|
| Pre-development peak discharge | | I/s |
| Pre-development average discharge | | I/s |

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

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

Please include calculations on the attached sheet provided.

38 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.

39 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.

40 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	

41 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**

42 Storm water run-off will only be accepted from brownfield sites that already have a storm/surface water connection to a combined sewer. In the case of such brownfield sites, please indicate if the development intends discharging surface water to the combined wastewater collection system:

Yes ☐ No ☐

If 'Yes', please give reason for discharge and comment on adequacy of SUDS/attenuation measures proposed.

[illegible]

43 Do you propose to pump the wastewater? Yes ☐ No ☐

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

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

m

45 What is the lowest finished floor level on site above Malin Head Ordnance Datum? m

Section E | Development details

46 Please outline the domestic and/or industry/business use proposed:

Property type	Total number of units for this application
Domestic	
Office	
Residential care home	
Hotel	
Factory	
School	
Institution	
Retail unit	
Industrial unit	
Other (please specify)	

47 Approximate start date of proposed development: / /

48 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.

49 Will the developer install the local infrastructure? Yes ☐ No ☐

Section F | Supporting documentation

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.
- > 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).
- > All design submissions as outlined in of the Irish Water Codes of Practice for Water Infrastructure and the Irish Water Codes of Practice for Wastewater Infrastructure,
- > All design calculations as outlined in of the Irish Water Codes of Practice for Water Infrastructure and the Irish Water Codes of Practice for Wastewater Infrastructure,
- > Any other information that would 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:

Date:

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

This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.

On-site storage

[illegible]

Fire flow requirements

This image shows a full page of blank graph paper. The background is a very light gray, and it is covered by a grid of thin, darker gray lines. The grid consists of small, equal-sized squares that extend across the entire area of the page, leaving no margins or other markings.

This image shows a full page of blank graph paper. The background is a very light gray, and it is covered by a precise grid of thin, medium-gray lines. The grid consists of small, equal-sized squares that extend across the entire visible area of the page, providing a standard template for technical drawing or mathematics.

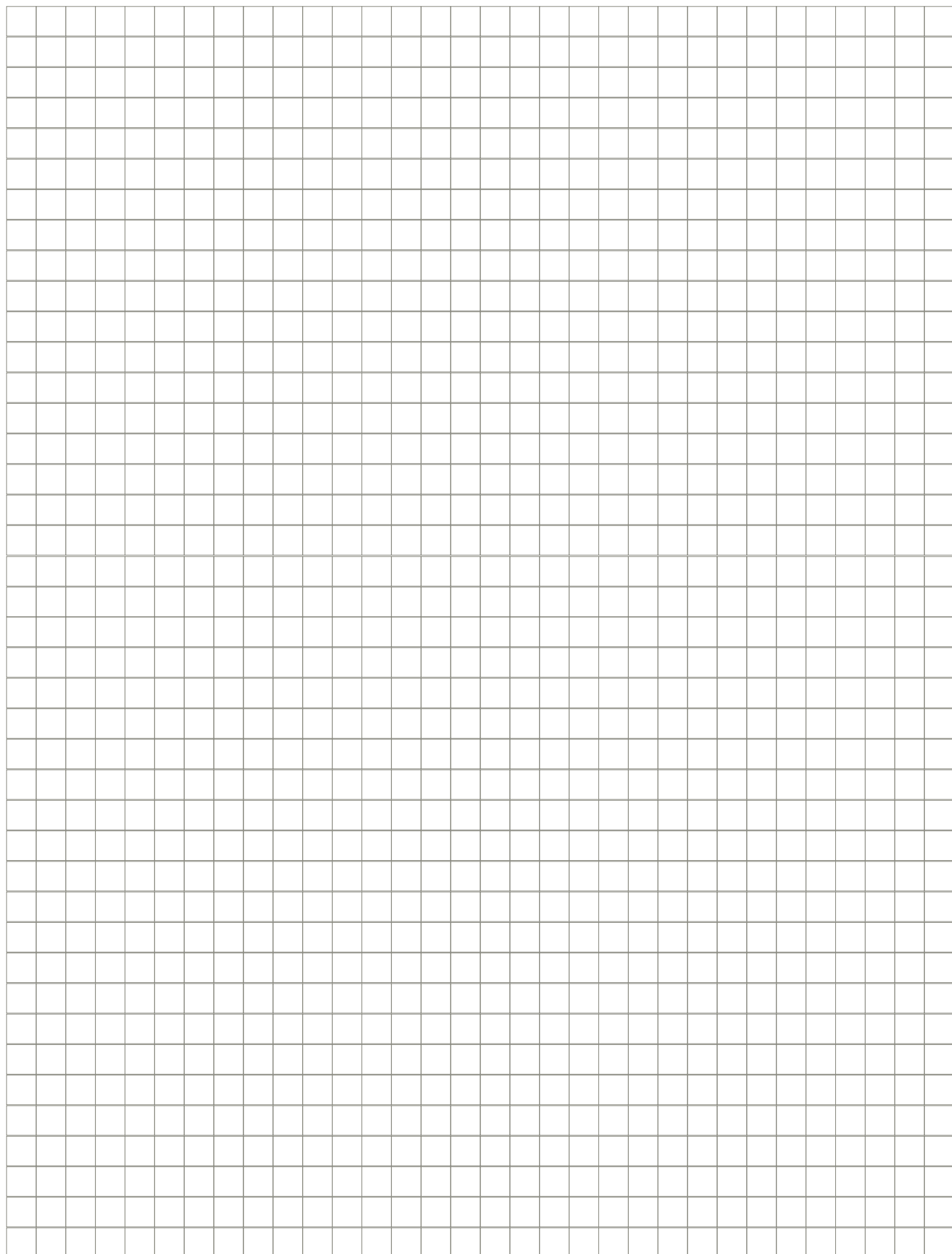


Table 1: Wastewater characteristic form
(Only to be filled out if a Trade Effluent Discharge to Sewer Licence is required)

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 applicants requiring a 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:** '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 provide the name, postal address, and contact details of the developer for the proposed new development.
- Question 6:** Where the applicant is a company (registered under the Companies Act 2014), please provide details of the names of the directors of the development company and the company registration number. Additional details can be provided on a separate sheet.
- Question 7:** Please indicate whether it is the applicant, the agent or the developer who should receive future correspondence in relation to the enquiry.

Section B | Site details

- Question 8:** This is the address of the site requiring the water/wastewater service connection and for which this application is being made.
- Question 9:** 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 10:** Please identify the Local Authority that is dealing with your planning application, for example Cork City Council.
- Question 11:** Please provide the planning reference number granting your proposed development. Irish Water use this to verify floor area and to verify that the development is planning compliant.
- Question 12:** Please enter the floor area of the development for which you are applying to connect to Irish Water infrastructure.
- Question 13:** 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 14:** 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 15:** 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 16:** Please indicate if the development is compliant with the local area development plan.

Section C | Water connection and demand details

- Question 17:** Please indicate if a water connection already exists for this site.
- Question 18:** Please indicate if this application is for an additional connection to one already installed on the site.
- Question 19:** 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 20:** Please indicate if a new water connection is required.
- Question 21:** Please indicate the approximate date that the proposed connection to the water infrastructure will be required.
- Question 22:** If the site was previously in use, please provide details of the pre-development peak hour and average hour water demand.
- 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 Irish Water 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 Irish Water 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 Irish Water 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 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 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 Irish Water potable water supply is to be protected from cross contamination at the premises.

Section D | Wastewater connection and load details

- Question 31:** Please indicate if a wastewater connection to a public sewer already exists for this site.
- Question 32:** Please indicate if this application is for an additional wastewater connection to one already installed.
- Question 33:** 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 34:** Please indicate if a new wastewater connection is required.
- Question 35:** Please specify the approximate date that the proposed connection to the wastewater infrastructure will be required.
- Question 36:** If the site was previously in use, please provide details of the pre-development peak and average wastewater discharge.
- Question 37:** 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 Irish Water Codes of Practice for Wastewater Infrastructure.
- Question 38:** 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 Irish Water Codes of Practice for Wastewater Infrastructure.
- Question 39:** 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 Irish Water Codes of Practice for Wastewater Infrastructure.
- Question 40:** 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 41:** 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 42:** 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 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.
- Question 43:** If the development needs to pump its wastewater discharge to gain access to the Irish Water infrastructure, please specify the pump flow rate, timings of discharge, and provide justification for the pumped solution on the calculation sheet provided.
- Question 44:** 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 45: 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 46: Please specify the number of different property/premises types by filling in the table provided.

Question 47: Please indicate the approximate commencement date of works on the development.

Question 48: 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.

Question 49: Please indicate if the developer will install local infrastructure as defined under the Irish Water Codes of Practice for Water Infrastructure and/or the Irish Water 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.

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.

