

An Update Report on data presented in the EPA Report “Focus on Urban Waste Water Discharges in Ireland” (published in February 2012)

Urban Waste Water Treatment in 2010

1. Introduction to this report

In February 2012 the EPA published a report titled “[Focus on Urban Waste Water Discharges in Ireland](#)”. This report provided a review of the operation of urban waste water treatment plants mainly covering data for 2008 and 2009. The report also included recommendations to improve compliance with waste water authorisations, the Urban Waste Water Treatment Directive and the Water Framework Directive.

This update report is a follow on from this work and it provides data for the year 2010 on the performance of waste water treatment plants¹ and infrastructure in place. The overall recommendations that were published in “Focus on Urban Waste Water Discharges in Ireland” still apply to this data set.

2. National Summary

Table 1 summarises the level of waste water treatment provided in 2010 at 538 urban areas that are subject to the waste water discharge licensing process.

Table 1: Summary of the level of waste water treatment provided in 2010²

Size of urban area	Number of areas with no treatment or preliminary treatment	Number of areas with primary treatment	Number of areas with secondary treatment	Number of areas with secondary treatment & nutrient reduction	Total
less than 2,000 p.e. ³	25	61	175	93	354
from 2,000 to 10,000 p.e.	7	7	59	51	124
Over 10,000 p.e.	6	0	26	28	60
<i>Total</i>	38	68	260	172	538

The [Urban Waste Water Treatment Directive](#) specifies quality standards for effluent discharged from urban areas by setting limits on the concentration of biochemical oxygen demand (BOD), chemical

¹ This report relates to discharges from urban areas that are subject to the waste water discharge licensing process (i.e. areas with a population equivalent greater than 500)

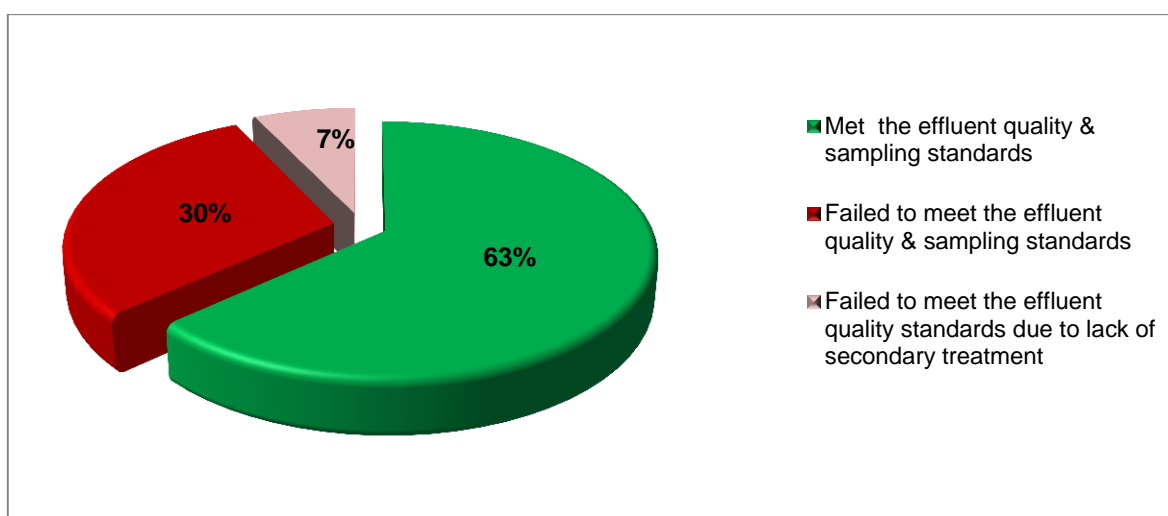
² Information on the level of treatment provided was supplied to the EPA by the water services authorities.

³ Population equivalent (p.e.) is a measurement of organic biodegradable load. A population equivalent of 1 is defined as the organic biodegradable load having a five-day biochemical oxygen demand (BOD₅) of 60g of oxygen per day.

oxygen demand (COD) and total suspended solids (TSS) that are permitted in the effluent. The Directive also specifies the minimum number of effluent samples to be collected and analysed on an annual basis. Compliance with the quality and sampling standards in the Directive is mandatory for discharges from larger urban areas, i.e. all areas with a population equivalent greater than 10,000, and areas with a population equivalent greater than 2,000 that discharge to freshwater or estuaries.

There were 169 larger urban areas in Ireland in 2010⁴. A national summary of the compliance of discharges from these areas with the mandatory effluent quality and sampling standards in the Directive is presented in Figure 1. 63% of larger urban areas complied with the standards in 2010, up from 57% in 2009 and 36% in 2007.

Figure 1: Compliance of all larger urban areas (169 no.) in 2010 with the mandatory effluent quality (BOD, COD & TSS) and sampling standards in the Waste Water Treatment Directive.

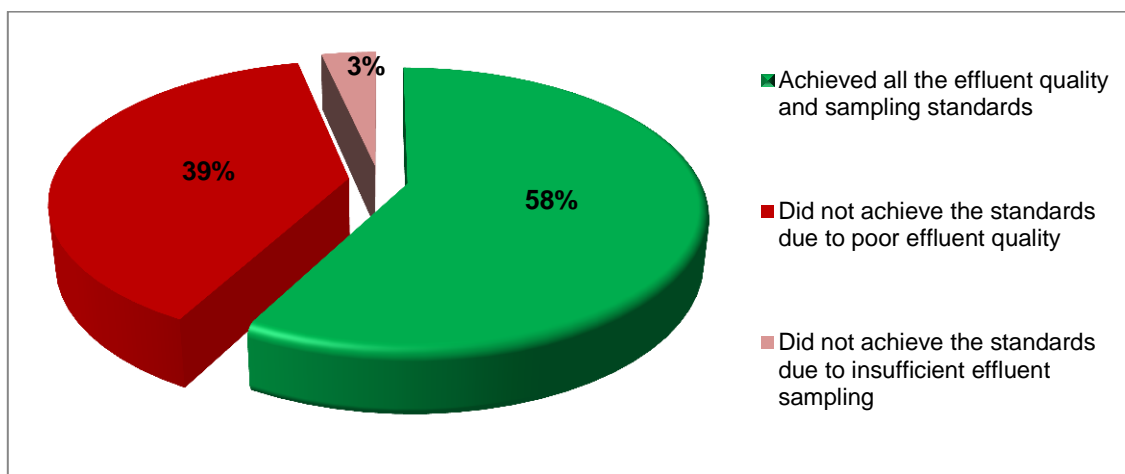


Secondary treatment was provided at 432 urban areas in 2010 (refer to columns 4 and 5 of Table 1). The EPA used the effluent quality and sampling standards⁵ in the Directive as a guide to assess the performance of these secondary treatment plants in 2010. A national summary of this assessment is presented in Figure 2. 58% of the 432 secondary treatment plants achieved the effluent quality and sampling standards in 2010, up from 54% in 2009 and 31% in 2007.

⁴ Information on the size of urban areas was provided by the water services authorities.

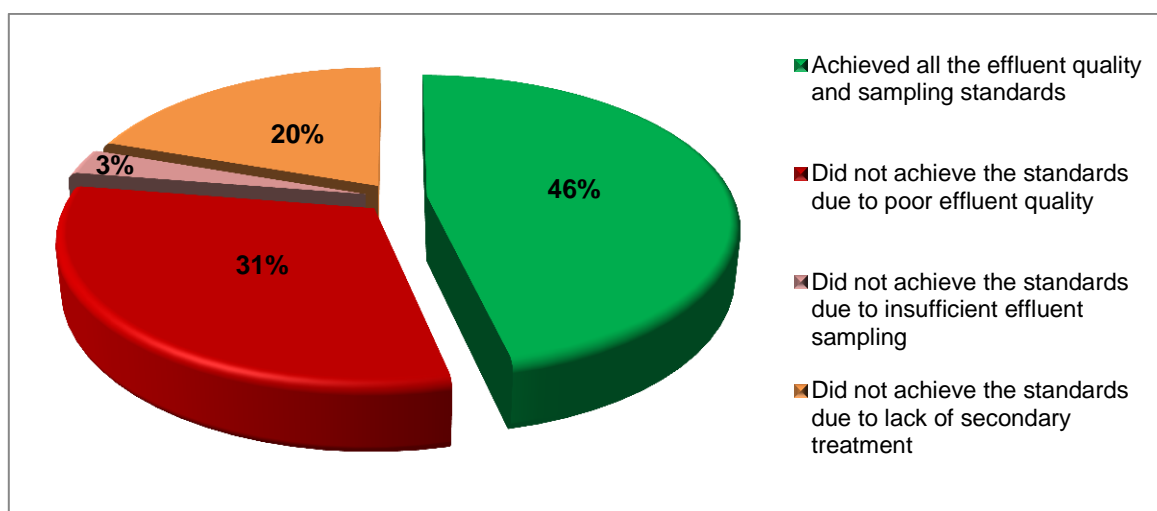
⁵ The Directive does not specify the minimum number of samples required per year for urban areas with a population equivalent less than 2,000. The EPA set the minimum number of samples required at these areas at 6.

Figure 2: Assessment of discharges from all secondary treatment plants (432 no.) in 2010 against the effluent quality (BOD, COD & TSS) and sampling standards in the Waste Water Treatment Directive



106 urban areas did not have secondary treatment⁶ in place in 2010 (refer to columns 2 and 3 of Table 1), including 38 areas where waste water received no treatment or just basic preliminary treatment prior to discharge. Effluent from these 106 urban areas is unlikely to achieve the quality standards specified in the Directive. A national summary of the effluent quality from all 538 urban areas that are subject to the waste water discharge licensing process is presented in Figure 3. In 2010 46% of all these urban areas achieved the effluent quality and sampling standards, up from 42% in 2009.

Figure 3: Assessment of discharges from all urban areas (538 no.) in 2010 against the effluent quality (BOD, COD & TSS) and sampling standards in the Waste Water Treatment Directive



A summary of urban waste water treatment within each water services authority's functional area in 2010 is provided in Table 2.

⁶ Secondary treatment is mandatory for urban areas >2,000 p.e. discharging to freshwater or estuaries and >10,000 p.e. discharging to coastal waters. Smaller urban areas below these thresholds require appropriate treatment, which means treatment by any process and/or disposal system which after discharge allows the receiving waters to meet relevant quality objectives and relevant provisions of European Directives.

Table 2: Summary of waste water treatment in 2010 in each water services authority's functional area

Water services authority	Number of urban areas subject to the waste water discharge licensing process	Number of urban areas without secondary treatment ⁷	Number of urban areas where nutrient reduction is required under the Directive but had not been provided	Number of urban areas with secondary treatment that did not meet the BOD, COD & TSS standards
Carlow	12	0	0	4
Cavan	16	0	0	6
Clare	22	5	0	9
Cork City	1	0	1	0
Cork County	73	23	1	20
Donegal	36	17	1	13
Dublin City	1 ⁸	0	1	1
Dun Laoghaire-Rath	1	1	0	0
Fingal	9	4	0	3
Galway City	1	0	0	0
Galway	22	7	0	7
Kerry	25	13	1	1
Kildare	13	1	0	2
Kilkenny	21	6	1	8 ⁹
Laois	14	0	0	12
Leitrim	8	0	0	5
Limerick City	1	0	0	0
Limerick	25	5	0	16
Longford	7	2	0	0
Louth	14	0	1	4
Mayo	32 ¹⁰	4	0	10
Meath	23	0	0	12 ¹¹
Monaghan	14	0	0	4
Offaly	14	0	0	3
Roscommon	13	0	0	8
Sligo	16	2	0	8
Tipperary North	12	0	0	3
Tipperary South	14	1	0	3
Waterford City	1	0	0	0
Waterford	12	6	0	2
Westmeath	15	0	0	3
Wexford	27	6	1	7 ¹²
Wicklow	23	3	0	4
Total	538	106	8	178

⁷ In some cases smaller agglomerations may not necessarily require secondary but "appropriate treatment" must be provided; for details refer to the EPA report [Focus on Urban Waste Water Discharges in Ireland](#).

⁸ Waste water arising from some towns within Fingal, South Dublin, Dun Laoghaire-Rathdown & Meath County Councils' functional areas is treated and discharged from the Dublin City Council plant at Ringsend.

⁹ The secondary treatment plant at Kilmacow was completed during 2010. The annual assessment against the effluent quality standards for this plant is not included in the table.

¹⁰ This excludes Achill Sound which had no urban waste water collection system in 2010.

¹¹ Secondary treatment plants were completed at Moynalty & Rathmolyon during 2010. The annual assessments against the effluent quality standards for these plants are not included in the table.

¹² The secondary treatment plant at Bunclody was undergoing commissioning and process proofing during 2010. The annual assessment against the effluent quality standards for this plant is not included in the table.

3. Assessment of compliance with standards for BOD, COD and suspended solids

Urban waste water discharges are sampled and analysed to determine compliance with effluent quality standards. Water services authorities (i.e. County and City Councils) are responsible for waste water discharge sampling and analyses and for reporting the results to the EPA. The EPA assesses the results on an annual basis against the effluent quality standards and mandatory sampling frequencies specified in the [Urban Waste Water Treatment Directive](#).

The results of the 2010 compliance assessment for discharges from urban areas that are subject to the waste water discharge licensing process (i.e. areas with a population equivalent (p.e.)¹³ greater than 500¹⁴) are summarised in Appendix A of this update report. The data is organised in alphabetical order, by water services authority, and contains the following information:

Urban area: The name of the town or village where the waste water arose, or the name of the waste water treatment plant where the waste water was treated.

Reg. No.: The unique reference number of the waste water discharge licence or application for the urban area. Water services authorities must apply to the EPA for a licence authorising discharges from waste water works serving urban areas with a population equivalent greater than 500. Further information on all licence applications and all licences issued by the EPA can be viewed on the EPA website by clicking [here](#).

Pass or Fail:

Pass – the results met the standards set in the [Directive](#) for effluent quality¹⁵, and a sufficient number of effluent samples were collected and analysed in 2010.

Fail – the results did not meet the standards set in the Directive for effluent quality and/or an insufficient number of effluent samples were collected and analysed in 2010.

*No secondary*¹⁶ – waste water received no treatment or a basic level of treatment (i.e. preliminary treatment or primary treatment) prior to discharge and consequently the effluent could not achieve the quality standards specified in the Directive.

No result – no effluent monitoring results were reported to the EPA and therefore effluent quality could not be assessed for 2010.

Reason for failure: This refers to plants with at least secondary treatment that did not meet the standards set in the Directive.

Quality – the discharge did not achieve the quality standards set in Annex I to the [Directive](#) for at least one of the following parameters (i) biochemical oxygen demand, (ii) chemical oxygen demand and (iii) total suspended solids. A failure for quality implies that the waste water treatment works did not perform to an acceptable standard on at least one sampling occasion during the year.

¹³ Population equivalent is a measurement of organic biodegradable load. A population equivalent of 1 is defined as the organic biodegradable load having a five-day biochemical oxygen demand (BOD₅) of 60g of oxygen per day.

¹⁴ In some cases water services authorities applied for a licence for urban areas with a population equivalent below the 500 threshold in anticipation of future increases in the organic biodegradable load collected within the waste water works. Such areas are included in this document.

¹⁵ The quality standards are mandatory for waste water from urban areas >2,000 p.e. discharging to freshwater or estuaries and >10,000 p.e. discharging to coastal waters. In the case of smaller urban areas below the Directive thresholds the EPA applied the quality standards as a guide to assess the performance of the waste water works.

¹⁶ Secondary treatment is mandatory for urban areas >2,000 p.e. discharging to freshwater or estuaries and >10,000 p.e. discharging to coastal waters. Smaller urban areas below these thresholds require appropriate treatment, which means treatment by any process and/or disposal system which after discharge allows the receiving waters to meet relevant quality objectives and relevant provisions of European Directives.

Sample no. – an insufficient number of effluent samples was collected and analysed during 2010. The minimum number of samples required for urban areas with a population equivalent greater than 2,000 is set in the Directive. The EPA requires a minimum of 6 samples per year from smaller areas with a population equivalent less than 2,000.

Persistent failures: A tick mark indicates that at least half of the effluent samples from a plant with secondary treatment did not achieve all of the relevant quality standards. This is indicative of poor plant performance or overloading of the treatment plant.

Urban area (p.e.): An estimate by the water services authority of the population and industry served, and the organic biodegradable load collected, by the waste water works.

WWTP (p.e.): A measure of the organic biodegradable load and the population equivalent that the waste water treatment plant was designed and constructed to deal with.

Level of treatment provided: The level of treatment that the waste water receives prior to discharge. *No treatment* – waste water is discharged without receiving any treatment.

Preliminary – a basic form of treatment typically designed to remove floating debris, oils, fats, grease, grit, rags and large solids from the raw waste water.

Primary – a physical process that involves the settling out and removal of a proportion of the suspended matter from the raw waste water and a consequential reduction in biochemical oxygen demand and total suspended solids.

Secondary – takes place after the primary treatment process and typically involves the breakdown of biodegradable organic matter in the waste water by microorganisms.

Secondary & nutrient reduction – in addition to secondary treatment, nutrients such as phosphorous and/or nitrogen are removed from the waste water in order to minimise the risk of eutrophication in waters receiving the final effluent.

Receiving water: The type of water body into which the waste water is discharged.

Sensitive area: A tick mark indicates that the receiving water is a designated sensitive area. The legislation identifying sensitive areas can be viewed by clicking [here](#). Criteria for identifying sensitive areas (e.g. waters that are eutrophic or may become eutrophic unless protected) are set out in Annex II to the [Directive](#).

River Basin District: The River Basin District into which the waste water discharges.

Appendix A

Click on a water services authority to view information on waste water treatment in that authority's functional area during 2010.

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Carlow County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Ballon	D0247-01	Pass			750	1,200	Secondary & nutrient	River		South Eastern
Borris	D0248-01	Pass			1,200	1,500	Secondary	River	✓	South Eastern
Carlow town	D0028-01	Pass			33,000	36,000	Secondary & nutrient	River	✓	South Eastern
Clonegal	D0395-01	Fail	Quality & sample no.	✓	400	200	Secondary	River		South Eastern
Fenagh	D0246-01	Pass			600	1,500	Secondary & nutrient	River		South Eastern
Hacketstown	D0243-01	Fail	Quality	✓	1,170	600	Secondary	River	✓	South Eastern
Muinebheag & Leighlinbridge	D0090-01	Pass			4,000	4,500	Secondary	River	✓	South Eastern
Myshal	D0390-01	Pass			500	800	Secondary & nutrient	River		South Eastern
Palatine	D0391-01	Pass			600	1,000	Secondary & nutrient	River		South Eastern
Rathoe	D0240-01	Pass			600	2,000	Secondary & nutrient	River		South Eastern
Rathvilly	D0237-01	Fail	Quality	✓	1,000	600	Secondary	River	✓	South Eastern
Tullow	D0091-01	Fail	Quality		4,800	4,000	Secondary	River	✓	South Eastern

Cavan County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Arvagh	D0497-01	Pass			905	1,200	Secondary & nutrient	River		N. Western
Bailieborough	D0085-01	Pass			2,577	2,500	Secondary & nutrient	River		Eastern
Ballinagh	D0501-01	Pass			1,483	1,800	Secondary & nutrient	River		N. Western
Ballyconnell	D0253-01	Fail	Quality		1,608	1,500	Secondary & nutrient	River		N. Western
Ballyhaise	D0496-01	Pass			780	905	Secondary & nutrient	River		N. Western
Ballyjamesduff	D0256-01	Pass			1,930	2,200	Secondary & nutrient	River		Shannon
Belturbet	D0084-01	Pass			2,266	4,000	Secondary & nutrient	River		N. Western
Blacklion	D0498-01	Pass			618	990	Secondary & nutrient	Lake		N. Western
Cavan	D0020-01	Fail	Quality		24,928	22,000	Secondary & nutrient	River	✓	N. Western
Cootehill	D0082-01	Pass			2,072	2,756	Secondary & nutrient	River		N. Western
Killeshandra	D0499-01	Fail	Quality	✓	922	1,000	Secondary & nutrient	Lake		N. Western
Kilnaleck	D0500-01	Fail	Quality	✓	831	650	Secondary & nutrient	River		N. Western
Kingscourt	D0083-01	Fail	Quality		2,335	2,400	Secondary	River		Neagh Bann
Mullagh	D0252-01	Fail	Quality		1,080	3,000	Secondary & nutrient	River		Eastern
Shercock	D0495-01	Pass			812	1,000	Secondary & nutrient	Lake		N. Western
Virginia	D0255-01	Pass			2,363	2,000	Secondary & nutrient	Lake		Eastern

Clare County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Ballyvaughan	D0327-01	No secondary			1,500		No treatment	Coastal		Western
Clarecastle	D0322-01	No secondary			1,000		No treatment	Estuarine		Shannon
Corofin	D0434-01	Fail	Quality	✓	500	500	Secondary & nutrient	River		Shannon
Crusheen (Galvins)	D0424-01	Fail	Quality	✓	500	500	Secondary	River		Shannon
Doonbeg	D0324-01	Pass			1,000	1,500	Secondary	Coastal		Shannon
Ennis North	D0048-01	Pass			17,000	17,000	Secondary	River	✓ ¹⁷	Shannon
Ennis South (Clareabbey)	D0199-01	Pass			4,000	4,000	Secondary	River		Shannon
Ennistymon	D0081-01	Fail	Quality		2,000	2,000	Secondary	River		Shannon
Inagh	D0422-01	Fail	Quality	✓	500	500	Secondary	River		Shannon
Kilkee	D0078-01	No secondary			1,330		No treatment	Coastal		Shannon
Kilkishen	D0420-01	Pass			750	750	Secondary	Lake		Shannon
Kilrush	D0075-01	No secondary			2,600		No treatment	Coastal		Shannon
Lahinch	D0080-01	Fail	Quality		8,400	8,400	Secondary	River		Shannon
Liscannor	D0430-01	No secondary			800		No treatment	Coastal		Shannon
Lisdoonvarna	D0077-01	Pass			2,500	5,000	Secondary & nutrient	River		Shannon
Milltown Malbay	D0321-01	Pass			1,360	1,360	Secondary	River		Shannon
Newmarket on Fergus	D0079-01	Pass			3,500	3,500	Secondary	Lake		Shannon
Quin	D0318-01	Fail	Quality	✓	1,200	740	Secondary	River		Shannon
Scarriff	D0319-01	Fail	Quality	✓	1,300	1,300	Secondary & nutrient	River	✓	Shannon
Shannon Town (Tradaree)	D0045-01	Fail	Quality	✓	12,500	12,500	Secondary	Estuarine		Shannon
Sixmilebridge	D0076-01	Pass			1,500	6,000	Secondary	River		Shannon
Tulla	D0320-01	Fail	Quality		720	2,000	Secondary	River		Shannon

¹⁷ Designated as a sensitive area by the Urban Waste Water Treatment (Amendment) Regulations 2010. Nutrient reduction required by 22nd December 2012.

Cork City Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Cork City	D0033-01	Pass			269,000	413,000	Secondary	Estuarine	✓	S. Western

Cork County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Ballincollig	D0049-01	Pass			21,000	26,000	Secondary	River		S. Western
Ballineen-Enniskeane	D0472-01	Fail	Quality	✓	840	660	Secondary	River		S. Western
Ballingeary	D0431-01	No secondary			650	600	Primary	River		S. Western
Ballyclough	D0441-01	Pass			600	800	Secondary	River		S. Western
Ballycotton	D0516-01	No secondary			1,000	970	No treatment	Coastal		S. Western
Ballydehob	D0467-01	No secondary			560	700	Primary	Coastal		S. Western
Ballyhooley	D0432-01	Fail	Quality		545	750	Secondary	River	✓	S. Western
Ballymakeera	D0299-01	No secondary			1,600	1,400	Primary	River		S. Western
Baltimore	D0296-01	No secondary			1,684	1,150	Primary	Estuarine		S. Western
Bandon	D0136-01	Pass			8,200	20,000	Secondary	River		S. Western
Banteer	D0448-01	Pass			700	700	Secondary	River		S. Western
Bantry	D0168-01	Pass			5,647	6000	Secondary & nutrient	Coastal		S. Western
Blarney	D0043-01	Pass			13,000	13,000	Secondary	River		S. Western
Boherbue	D0437-01	Pass			800	800	Secondary & nutrient	River	✓	S. Western
Buttevant	D0303-01	Pass			1,700	3,150	Secondary	River		S. Western
Bweeng	D0438-01	Fail	Quality	✓	500	500	Secondary & nutrient	River		S. Western
Carrignavar	D0517-01	Fail	Quality	✓	500	500	Secondary	River		S. Western
Carrigtohill	D0044-01	Fail	Quality	✓	12,000	8,500	Secondary	Estuarine	✓	S. Western
Castlelyons	D0449-01	Fail	Quality		400	1,200	Secondary & nutrient	River		S. Western
Castlemartyr	D0134-01	Pass			1,938	2,000	Secondary	River		S. Western

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Castletownbere	D0297-01	No secondary			1,300		No treatment	Coastal		S. Western
Castletownroche	D0293-01	Fail	Quality	✓	950	1,000	Secondary	River		S. Western
Castletownshend	D0468-01	No secondary			450		No treatment	Coastal		S. Western
Charleville	D0204-01	Pass			3,696	7,500	Secondary	River		Shannon
Churchtown	D0444-01	Pass			600	936	Secondary	Ground		S. Western
Clonakilty	D0051-01	Fail	Quality		15,000	15,000	Secondary	Estuarine	✓ ¹⁸	S. Western
Clondulane	D0445-01	Pass			450	700	Secondary	River	✓	S. Western
Cloughduv	D0330-01	Pass			200	1,500	Secondary	River		S. Western
Cloyne	D0298-01	Pass			1,200	1,400	Secondary	River		S. Western
Coachford	D0427-01	No secondary			726	600	Primary	Lake		S. Western
Cobh	D0054-01	No secondary			12,000		No treatment	Coastal		S. Western
Conna	D0439-01	Pass			510	800	Secondary	River		S. Western
Courtmacsherry	D0294-01	No secondary			1,380	500	Primary	Estuarine		S. Western
Doneraile	D0300-01	Pass			941	1,675	Secondary	River		S. Western
Drimoleague	D0470-01	Fail	Quality	✓	635	500	Secondary	River		S. Western
Dripsey	D0426-01	Fail	Quality		390	600	Secondary	River		S. Western
Dromahane	D0302-01	Pass			1,150	1,000	Secondary	River		S. Western
Dunmanway	D0160-01	Fail	Quality	✓	2,404	1,000	Secondary	River		S. Western
Fermoy	D0058-01	Pass			14,000	20,000	Secondary & nutrient	River	✓	S. Western
Glanworth	D0450-01	Fail	Quality	✓	607	800	Secondary	River		S. Western
Glengariff	D0471-01	No secondary			750	1,000	Primary	Coastal		S. Western
Glenville	D0515-01	Fail	Quality	✓	500	500	Secondary	River		S. Western
Innishannon	D0429-01	No secondary			887	833	Primary	River	✓	S. Western
Kanturk	D0203-01	Fail	Sample no.		2,354	3,500	Secondary	River		S. Western
Kilbrittan	D0425-01	Fail	Quality		600	800	Secondary	River		S. Western
Kildorrery	D0442-01	Pass			500	850	Secondary	River		S. Western
Kileens	D0301-01	Pass			860	1,200	Secondary	River		S. Western
Killavullen	D0447-01	Fail	Quality	✓	700	1,000	Secondary	River		S. Western

¹⁸ Designated as a sensitive area by the Urban Waste Water Treatment (Amendment) Regulations 2010. Nutrient reduction required by 22nd December 2016.

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Killeagh	D0329-01	Pass			1,200	1,990	Secondary	River		S. Western
Kilworth	D0334-01	Fail	Sample no.		1,200	2,500	Secondary & nutrient	River		S. Western
Kinsale	D0132-01	No secondary			8,000		Preliminary	Estuarine	✓	S. Western
Ladysbridge	D0328-01	Pass			650	950	Secondary	River		S. Western
Macroon	D0126-01	Pass			6,600	5,200	Secondary	River		S. Western
Mallow	D0052-01	Pass			14,000	18,000	Secondary & nutrient	River	✓	S. Western
Midleton	D0056-01	Pass			12,000	10,000	Secondary & nutrient	Coastal	✓	S. Western
Millstreet	D0332-01	Pass			2,252	1,600	Secondary	River		S. Western
Mitchelstown	D0202-01	Fail	Quality		4,100	7,000	Secondary & nutrient	River		S. Western
Mogeely	D0428-01	Pass			616	1,200	Secondary & nutrient	River		S. Western
Newmarket	D0333-01	Pass			1,000	1,500	Secondary	River		S. Western
North Cobh	D0140-01	Pass			2,000	4,000	Secondary	Coastal	✓	S. Western
Passage-Monkstown	D0129-01	No secondary			7,600		No treatment	Estuarine	✓	S. Western
Rathcormac	D0200-01	Fail	Quality		2,200	4,000	Secondary & nutrient	River		S. Western
Ringaskiddy Village	D0436-01	No secondary			797	797	Preliminary	Coastal		S. Western
Ringaskiddy-Crosshaven-Carrigaline	D0057-01	No secondary			26,000		Preliminary	Coastal		S. Western
Riverstick	D0433-01	Fail	Quality	✓	550	550	Secondary & nutrient	River		S. Western
Rosscarbery-Owenahincha	D0172-01	No secondary			4,051	5,239	Primary	Coastal		S. Western
Schull	D0295-01	No secondary			1,680	1,266	Primary	Coastal		S. Western
Skibbereen	D0166-01	No secondary			3,000	4,700	Primary	Estuarine		S. Western
Timoleague	D0466-01	No secondary			592		No treatment	Estuarine		S. Western
Unionhall	D0469-01	No secondary			634	344	Primary	Estuarine		S. Western
Watergrasshill	D0201-01	Pass			1,600	3,000	Secondary & nutrient	River		S. Western
Whitegate-Aghada	D0423-01	No secondary			1,953		No treatment	Coastal		S. Western
Youghal	D0139-01	No secondary			9,600		No treatment	Estuarine	✓	S. Western

Donegal County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Ardara	D0512-01	Fail	Quality		950	2,350	Secondary	Estuarine		N. Western
Ballybofey-Stranorlar	D0120-01	Fail	Quality		6,200	4,000	Secondary	River		N. Western
Ballyliffen	D0351-01	Fail	Quality	✓	1,000	1,000	Secondary	River		N. Western
Ballyshannon	D0128-01	Pass			4,316	6,100	Secondary	Estuarine		N. Western
Bridgend	D0532-01	Fail	Quality	✓	670	260	Secondary	River		N. Western
Buncrana	D0125-01	No secondary			5,231	13,500	Primary	Coastal		N. Western
Bundoran	D0130-01	No secondary			8,046	9,000	Preliminary	Coastal		N. Western
Burnfoot	D0531-01	Fail	Quality	✓	551	180	Secondary	River		N. Western
Carndonagh	D0113-01	Pass			3,996	5,200	Secondary	River		N. Western
Carrigart	D0523-01	No secondary			500	500	Primary	Estuarine		N. Western
Castlefinn	D0514-01	No secondary			900	600	Primary	River		N. Western
Clonmany	D0533-01	Fail	Sample no.		624	650	Secondary	River		N. Western
Convoy	D0344-01	No secondary			1,199	1,500	Primary	River		N. Western
Donegal Town	D0135-01	Fail	Quality		6,500	12,000	Secondary	Estuarine		N. Western
Downings	D0350-01	No secondary			1,910	1,000	Primary	Coastal		N. Western
Dunfanaghy-Portnablagh	D0211-01	No secondary			1,700	900	Primary	Coastal		N. Western
Dungloe	D0208-01	No secondary			1,600	1,200	Primary	River		N. Western
Dunkineeley	D0521-01	No secondary			720	1,000	Primary	Coastal		N. Western
Falcarragh	D0343-01	No secondary			1,588	1,225	No treatment	Estuarine		N. Western
Glenties	D0210-01	No secondary			1,200	1,000	Primary	River		N. Western
Kilcar	D0520-01	No secondary			900	1,000	Preliminary	Coastal		N. Western
Killea	Licence application due	Fail	Quality	✓	800	800	Secondary	River		N. Western
Killybegs	D0011-01	No secondary			92,000		No treatment	Estuarine	✓	N. Western
Killygordon	D0518-01	Fail	Quality	✓	700	1,700	Secondary	River		N. Western
Kilmacrennan	D0513-01	Fail	Quality	✓	900	500	Secondary	River		N. Western

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Letterkenny	D0009-01	Fail	Quality	✓	22,500	20,000	Secondary	Estuarine		N. Western
Lifford	D0352-01	No secondary			1,969	1,550	Primary	Estuarine		N. Western
Manor-cunningham	D0519-01	Pass			850	1,000	Secondary	Estuarine		N. Western
Milford	D0342-01	Pass			1,890	920	Secondary	River		N. Western
Mountcharles	D0522-01	Fail	Quality & sample no.	✓	651	380	Secondary	River		N. Western
Moville	D0212-01	No secondary			1,500		No treatment	River		N. Western
Newtown-cunningham	D0349-01	Pass			1,600	1,000	Secondary	River		N. Western
Ramelton	D0341-01	No secondary			1,600	1,000	No treatment	Estuarine		N. Western
Raphoe	D0209-01	Fail	Quality	✓	1,475	800	Secondary	River		N. Western
Rathmullan	D0345-01	No secondary			1,156	2,000	Primary	Coastal		N. Western
Rossnowlagh	Licence application due	Pass			1,000	1,000	Secondary	Estuarine		N. Western

Dublin City Council

(with Fingal County Council, South Dublin County Council, Dun Laoghaire-Rathdown County Council & Meath County Council)

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Greater Dublin (Ringsend)	D0034-01	Fail	Quality		2,454,924	1,640,000	Secondary	Estuarine	✓	Eastern

Dun Laoghaire-Rathdown County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Shanganagh	D0038-01	No secondary			65,700	64,273	Preliminary	Coastal		Eastern

Fingal County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Balbriggan-Skerries	D0023-01	Fail	Quality		27,600	70,000	Secondary	Coastal		Eastern
Loughshinny		No secondary			700	700	Primary			
Howth	D0034-01	No secondary			9,000		No treatment	Coastal		Eastern
Lusk	D0122-01	No secondary			7,000		Primary	Estuarine	✓	Eastern
Malahide	D0021-01	Pass			15,000	21,000	Secondary	Estuarine		Eastern
Portrane	D0114-01	Fail	Quality	✓	8,000	8,000	Secondary	Coastal		Eastern
Rush	D0119-01	No secondary			7,800		No treatment	Coastal		Eastern
Swords	D0024-01	Pass			61,000	60,000	Secondary & nutrient	Estuarine	✓	Eastern
Toberburr		No result			640	640	Secondary	River	✓	

Galway City Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Galway City	D0050-01	Pass			91,600	91,600	Secondary	Coastal		Western

Galway County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Ahascragh	D0372-01	No secondary			560	150	Preliminary	River		Shannon
Athenry	D0193-01	Fail	Sample no.		6,000	6,000	Secondary & nutrient	River		Western
Ballinasloe	D0032-01	Pass			5,667	9,000	Secondary & nutrient	River		Shannon
Ballygar	D0371-01	Fail	Quality	✓	944	500	Secondary	River		Shannon
Carraroe	D0388-01	No secondary			850		No treatment	Coastal		Western
Clifden	D0198-01	No secondary			4,063	1,875	Primary	Estuarine		Western
Clonbur	D0374-01	Fail	Quality	✓	700	700	Secondary	River		Western
Dunmore	D0370-01	Pass			890	225	Secondary & nutrient	River		Western
Eyre Court	D0375-01	No secondary			702	200	Primary	River		Shannon
Glenamaddy	D0379-01	No secondary			738	300	Primary	Lake		Western
Gort	D0195-01	Fail	Quality		4,836	4,310	Secondary	River		Western
Headford	D0197-01	Pass			1,390	2,100	Secondary & nutrient	River		Western
Kinvara	D0276-01	No secondary			1,270		No treatment	Estuarine	✓	Western
Letterfrack	D0399-01	Pass			800	800	Secondary	River		Western
Loughrea	D0194-01	Pass			9,500	9,500	Secondary & nutrient	River		Western
Mountbellew	D0219-01	Fail	Quality	✓	1,033	700	Secondary	River		Shannon
Moycullen	D0191-01	Pass			2,500	4,000	Secondary & nutrient	River		Western
Moylough	D0403-01	Fail	Quality	✓	328	600	Secondary	River		Shannon
Oughterard	D0192-01	Fail	Quality	✓	1,731	500	Secondary	River		Western
Portumna	D0196-01	Pass			2,842	3,100	Secondary & nutrient	Lake	✓	Shannon
Spiddal	D0396-01	No secondary			693		No treatment	Coastal		Western
Tuam	D0031-01	Pass			13,250	23,250	Secondary & nutrient	River		Western

Kerry County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Abbeydorney	D0417-01	No secondary			564	350	Primary	River		Shannon
An Daingean / Dingle	D0185-01	Pass			12,000	12,000	Secondary	Coastal		S. Western
Ardfert	D0282-01	No secondary			1,500	800	Primary	River		Shannon
Ballybunion	D0183-01	Pass			1,831	8,180	Secondary	Estuarine	✓	Shannon
Ballyduff	D0418-01	No secondary			800	800	Primary	River	✓	Shannon
Ballyheigue	D0186-01	Pass			1,046	4,234	Secondary & nutrient	Coastal		Shannon
Ballylongford	D0459-01	No secondary			900	600	Primary	Estuarine		Shannon
Cahersiveen	D0181-01	Pass			4,727	5,200	Secondary	Estuarine		S. Western
Castlegregory	D0461-01	No secondary			639	500	Primary	Estuarine		Shannon
Castleisland	D0180-01	Pass			5,769	6,000	Secondary	River		S. Western
Fenit	D0284-01	No secondary			1,300	500	Primary	Coastal		Shannon
Feries	D0460-01	No result			712	150	Secondary	River		S. Western
Glenbeigh	D0286-01	No secondary			1,900	1,947	Primary	River		S. Western
Kenmare	D0184-01	Pass			8,000	8,000	Secondary	Estuarine		S. Western
Killarney	D0037-01	Pass			26,367	54,000	Secondary & nutrient	Lake	✓	S. Western
Killorglin	D0182-01	Pass			3,108	5,000	Secondary	River		S. Western
Knightstown	D0421-01	No secondary			772	800	Primary	Coastal		S. Western
Listowel	D0179-01	Pass			7,500	12,500	Secondary	River		Shannon
Lixnaw	D0462-01	No secondary			1,064	300	Primary	River		Shannon
Milltown	D0331-01	No secondary			1,474		Primary	River		S. Western
Rathmore	D0419-01	Pass			870	500	Secondary	River		S. Western
Sneem	D0285-01	No secondary			900	500	Primary	Estuarine		S. Western
Tarbert	D0283-01	No secondary			1,400	800	Primary	Estuarine		Shannon
Tralee	D0040-01	Pass			42,000	50,333	Secondary	Estuarine	✓	Shannon
Waterville	D0287-01	No secondary			2,000	500	Primary	Coastal		S. Western

Kildare County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Allenwood	D0493-01	Pass			618	1,500	Secondary & nutrient	River	✓	South Eastern
Athy	D0003-01	Pass			14,000	15,000	Secondary & nutrient	River	✓	South Eastern
Ballymore Eustace	D0238-01	No secondary			1,400	500	Primary	River		Eastern
Castledermot	D0236-01	Pass			1,100	2,400	Secondary & nutrient	River	✓	South Eastern
Coill Dubh	D0242-01	Pass			1,166	2,000	Secondary & nutrient	River	✓	South Eastern
Derrinturn	D0244-01	Pass			1,140	2,000	Secondary & nutrient	River	✓	South Eastern
Kildare Town	D0178-01	Fail	Quality	✓	7,000	7,000	Secondary & nutrient	River	✓	South Eastern
Kilmeague	D0233-01	Fail	Quality	✓	1,200	700	Secondary	River	✓	Eastern
Leixlip	D0004-01	Pass			69,755	80,000	Secondary & nutrient	River	✓	Eastern
Monasterevin	D0177-01	Pass			2,000	9,000	Secondary & nutrient	River	✓	South Eastern
Osberstown (Upper Liffey Valley Scheme)	D0002-01	Pass			86,755	80,000	Secondary & nutrient	River	✓	Eastern
Rathangan	D0175-01	Pass			1,500	2,000	Secondary & nutrient	River	✓	South Eastern
Robertstown	D0234-01	Pass			1,043	1,000	Secondary & nutrient	River	✓	South Eastern

Kilkenny County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Ballyhale - Knocktopher	D0530-01	Fail	Quality		400	400	Secondary	River	✓	South Eastern
Ballyragget	D0337-01	Fail	Quality	✓	3,625	1,920	Secondary	River	✓	South Eastern
Bennettsbridge	D0400-01	No secondary			1,425	610	Primary	River	✓	South Eastern
Callan	D0159-01	Fail	Quality		3,570	4,000	Secondary	River	✓	South Eastern
Castlecomer	D0149-01	Fail	Quality	✓	3,200	2,540	Secondary	River	✓	South Eastern
Clogh-Moneenroe	D0340-01	Pass			3,129	1,740	Secondary	River	✓	South Eastern
Fiddown	D0528-01	No secondary			608	300	Primary	Estuarine		South Eastern
Freshford	D0526-01	No secondary			400	400	Preliminary	River	✓	South Eastern
Goresbridge	D0529-01	No secondary			400	400	Primary	River	✓	South Eastern
Gowran	D0335-01	Pass			530	1,600	Secondary	River	✓	South Eastern
Graiguenamanagh	D0155-01	Pass			2,629	3,000	Secondary	River	✓	South Eastern
Johnstown	D0401-01	No secondary			990	900	Primary	River		South Eastern
Kilkenny City	D0018-01	Pass			97,660	107,650	Secondary	River	✓	South Eastern
Kilmacow	D0525-01	No result			1,000	2,500	Secondary ¹⁹	River		South Eastern
Mooncoin	D0145-01	Fail	Quality	✓	1,001	2,800	Secondary	Estuarine	✓	South Eastern
Mullinavat	D0527-01	No secondary			300	280	Primary	River		South Eastern
Paulstown	D0339-01	Pass			1,964	1,000	Secondary	River	✓	South Eastern
Piltown	D0157-01	Fail	Quality	✓	3,315	1,500	Secondary	Estuarine	✓	South Eastern
Stonyford	D0338-01	Pass			1,210	500	Secondary	River	✓	South Eastern
Thomastown	D0151-01	Fail	Quality		4,710	3,000	Secondary	River	✓	South Eastern
Urlingford	D0336-01	Fail	Quality	✓	2,687	1,500	Secondary	River	✓	South Eastern

¹⁹ The treatment plant at Kilmacow was operating from November 2010.

Laois County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Abbeyleix	D0156-01	Fail	Quality	✓	2,209	2,300	Secondary	River		South Eastern
Ballinakill	D0384-01	Fail	Quality & sample no.	✓	850	700	Secondary	River		South Eastern
Ballylinan	D0291-01	Fail	Quality	✓	1,681	2,000	Secondary & nutrient	River		South Eastern
Ballyroan	D0385-01	Fail	Quality	✓	726	600	Secondary	River		South Eastern
Borris-in-Ossory	D0290-01	Pass			900	1,300	Secondary	River		South Eastern
Castletown	D0387-01	Fail	Quality & sample no.	✓	515	500	Secondary	River		South Eastern
Clonaslee	D0386-01	Fail	Quality	✓	578	500	Secondary	River		Shannon
Durrow	D0289-01	Fail	Quality	✓	1,215	500	Secondary	River		South Eastern
Mountmellick	D0152-01	Fail	Quality		6,300	7,000	Secondary	River		South Eastern
Mountrath	D0153-01	Fail	Quality		2,069	2,300	Secondary	River		South Eastern
Portarlinton	D0158-01	Fail	Quality		7,000	13,000	Secondary	River	✓	South Eastern
Portlaoise	D0001-01	Pass			27,000	39,000	Secondary & nutrient	River	✓	South Eastern
Rathdowney	D0288-01	Fail	Quality	✓	2,410	1,500	Secondary	River		South Eastern
Stradbally	D0292-01	Fail	Quality	✓	1,600	2,000	Secondary	River		South Eastern

Leitrim County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Ballinamore	D0281-01	Pass			1,418	2,200	Secondary & nutrient	River		N. Western
Carrick-on-Shannon	D0154-01	Fail	Quality		6,100	3,000	Secondary & nutrient	River	✓	Shannon
Dromahair	D0279-01	Fail	Quality		1,100	990	Secondary & nutrient	River		Western
Drumshanbo	D0144-01	Fail	Quality		1,874	4,000	Secondary & nutrient	River	✓	Shannon
Kinlough	D0280-01	Pass			1,052	600	Secondary & nutrient	River		N. Western
Leitrim Village	D0278-01	Fail	Quality		1,069	1,500	Secondary	River	✓	Shannon
Manorhamilton	D0150-01	Fail	Quality & sample no.		2,372	3,500	Secondary & nutrient	River		Western
Mohill	D0277-01	Pass			1,691	1,900	Secondary & nutrient	River	✓	Shannon

Limerick City Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Limerick City	D0013-01	Pass			110,000	130,000	Secondary	Estuarine		Shannon

Limerick County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Abbeyfeale	D0115-01	Fail	Quality		4,600	2,860	Secondary	River		Shannon
Adare	D0312-01	Fail	Quality	✓	1,600	2,500	Secondary & nutrient	Estuarine		Shannon
Askeaton	D0315-01	No secondary			1,850	550	Primary	Estuarine		Shannon
Athea	D0508-01	No secondary			735	260	Primary	River		Shannon
Ballingary	D0507-01	Fail	Quality	✓	870	500	Secondary	River		Shannon
Bruff	D0313-01	Fail	Quality	✓	1,480	400	Secondary	River		Shannon
Bruree	D0506-01	Fail	Quality		780	1,200	Secondary & nutrient	River		Shannon
Cahercornlish	D0308-01	Fail	Quality & sample no.		1,500	2,500	Secondary & nutrient	River		Shannon
Cappamore	D0310-01	Pass			1,075	1,500	Secondary & nutrient	River		Shannon
Castletroy	D0019-01	Fail	Quality		35,000	19,500	Secondary & nutrient	River		Shannon
Croom	D0307-01	Fail	Quality		1,850	2,000	Secondary	River		Shannon
Doon	D0309-01	Pass			790	1,500	Secondary & nutrient	River		Shannon
Dromcollagher	D0316-01	Fail	Quality	✓	1,280	400	Secondary	River		Shannon
Foynes	D0502-01	No secondary			830	950	Primary	Estuarine		Shannon
Glin	D0504-01	No secondary			990	710	Primary	Estuarine		Shannon
Hospital	D0314-01	Fail	Quality	✓	1,290	500	Secondary	River		Shannon
Kilfinnane	D0305-01	Pass			950	1,500	Secondary & nutrient	River		Shannon
Kilmallock	D0106-01	Fail	Quality & sample no.		1,700	2,200	Secondary & nutrient	River		Shannon
Murroe	D0306-01	Fail	Quality		1,150	800	Secondary	River		Shannon
Newcastle West	D0108-01	Pass			7,400	9,000	Secondary & nutrient	River		Shannon
Oola	D0505-01	Fail	Quality		620	350	Secondary	River		Shannon
Pallasgreen	D0503-01	Fail	Quality		550	750	Secondary & nutrient	River		Shannon
Pallaskenry	D0304-01	Fail	Quality & sample no.		1,170	2,000	Secondary & nutrient	Estuarine		Shannon
Patrickswell	Licence application due	No secondary			1,100	350	Primary	River		Shannon
Rathkeale	D0112-01	Fail	Quality		1,600	4,000	Secondary & nutrient	River		Shannon

Longford County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Ballymahon	D0096-01	Pass			1,833	2,125	Secondary & nutrient	River		Shannon
Clondra	Licence application due	Pass			400	600	Secondary	River		Shannon
Drumlish	D0489-01	No secondary			882	500	Primary	River	✓	Shannon
Edgeworthstown	D0098-01	Pass			1,650	2,750	Secondary & nutrient	River	✓	Shannon
Granard	D0187-01	Pass			1,850	3,200	Secondary & nutrient	Lake	✓	Shannon
Longford	D0060-01	Pass			16,666	20,000	Secondary & nutrient	River	✓	Shannon
Newtownforbes	D0317-01	No secondary			1,269	500	Primary	River	✓	Shannon

Louth County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Ardee	D0117-01	Pass			6,300	5,000	Secondary	River		Neagh Bann
Blackrock	D0188-01	Pass			6,000	6,000	Secondary	Estuarine	✓	Neagh Bann
Carlingford	D0268-01	Fail	Quality		1,500	1,500	Secondary	Coastal	✓	Neagh Bann
Castlebellingham	D0269-01	Fail	Quality	✓	1,603	1,700	Secondary	River		Neagh Bann
Clogherhead	D0265-01	Fail	Quality		1,700	2,000	Secondary	Coastal		Neagh Bann
Collon	D0261-01	Pass			1,100	1,200	Secondary	River		Eastern
Drogheda	D0041-01	Pass			90,000	101,000	Secondary	Estuarine	✓ ²⁰	Eastern
Dromiskin	D0264-01	Fail	Sample no.		1,600	2,100	Secondary	River		Neagh Bann
Dundalk	D0053-01	Pass			132,000	179,000	Secondary	Estuarine	✓	Neagh Bann
Dunleer	D0111-01	Pass			2,500	4,300	Secondary	River		Neagh Bann
Knockbridge	D0260-01	Pass			500	1,000	Secondary	River		Neagh Bann
Louth Village	D0263-01	Pass			803	1,200	Secondary	River		Neagh Bann
Tallanstown	D0270-01	Pass			400	1,000	Secondary	River		Neagh Bann
Tullyallen	D0266-01	Pass			1,380	1,800	Secondary	River		Eastern

²⁰ Designated as a sensitive area by the Urban Waste Water Treatment (Amendment) Regulations 2010. Nutrient reduction required by 22nd December 2016.

Mayo County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Achill Island Central	D0072-01	Pass			2,500	4,000	Secondary	Coastal		Western
Achill Sound	D0511-01	No result			633		No treatment ²¹	N/A		Western
Balla	D0216-01	Fail	Quality	✓	630	1,200	Secondary	River		Western
Ballina	D0016-01	Pass			9,762	25,000	Secondary & nutrient	Estuarine		Western
Ballindine	D0355-01	Fail	Quality	✓	488	730	Secondary & nutrient	River		Western
Ballinrobe	D0070-01	Pass			7,162	8,000	Secondary & nutrient	River		Western
Ballycastle	D0356-01	Pass			400	600	Secondary	River		Western
Ballyhaunis	D0069-01	Pass			3,285	4,000	Secondary & nutrient	River		Western
Bangor Erris	D0215-01	Pass			1,000	1,080	Secondary	River		Western
Belcarra	D0366-01	Fail	Quality	✓	400	500	Secondary	River		Western
Belmullet	D0074-01	No secondary			800		No treatment	Coastal		Western
Bohola	D0360-01	Pass			250	650	Secondary	River		Western
Castlebar	D0047-01	Pass			33,004	35,000	Secondary & nutrient	River	✓	Western
Charlestown	D0214-01	Fail	Quality	✓	1,356	1,200	Secondary	River		Western
Claremorris	D0071-01	Fail	Quality		3,902	5,333	Secondary & nutrient	River		Western
Cong	D0066-01	Pass			517	2,024	Secondary & nutrient	Lake		Western
Crossmolina	D0073-01	Pass			1,594	3,150	Secondary & nutrient	River		Western
Doogort	D0367-01	Fail	Sample no.		420	700	Secondary	Coastal		Western
Foxford	D0213-01	Fail	Quality	✓	1,700	1,360	Secondary	River		Western
Gweesalia	D0368-01	Fail	Quality	✓	333	700	Secondary	Estuarine		Western
Kilkelly	D0357-01	Pass			500	900	Secondary	River		Western
Killala	D0067-01	No secondary			1,500		No treatment	Coastal		Western
Kilmaine	D0361-01	Pass			141	800	Secondary	River		Western
Kiltimagh	D0217-01	No secondary			1,600	650	Primary	River		Western
Knock	D0065-01	Pass			698	6,200	Secondary & nutrient	River		Western
Knock Airport	D0354-01	Pass			300	700	Secondary	River		Western

²¹ There was no urban waste water collection system in place for Achill Sound in 2010.

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Lahardane	D0380-01	Fail	Quality	✓	430	500	Secondary	River		Western
Louisborough	D0220-01	Fail	Quality	✓	392	1,000	Secondary	River		Western
Mallaranny	D0218-01	Pass			457	1,017	Secondary	Coastal		Western
Newport	D0224-01	No secondary			408	1,287	Primary	Estuarine		Western
Shrule	D0359-01	Pass			224	600	Secondary	River		Western
Swinford	D0068-01	Pass			3,000	6,500	Secondary & nutrient	River		Western
Westport	D0055-01	Pass			10,292	15,042	Secondary & nutrient	Coastal		Western

Meath County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Athboy	D0124-01	Pass			3,809	5,800	Secondary	River		Eastern
Ballivor	D0254-01	Pass			1,929	2,000	Secondary & nutrient	River		Eastern
Carlanstown	D0488-01	Fail	Quality		604	600	Secondary & nutrient	River		Eastern
Crossakeel	D0484-01	Fail	Quality		275	450	Secondary	River		Eastern
Donore	D0251-01	Fail	Quality		726	1,200	Secondary	River		Eastern
Drumconrath	D0483-01	Fail	Quality	✓	403	600	Secondary	River		Neagh Bann
Duleek	D0133-01	Pass			3,677	7,000	Secondary & nutrient	River		Eastern
Dunshaughlin	D0138-01	Pass			5,853	12,000	Secondary & nutrient	River		Eastern
Enfield (Johnstown Br.)	D0131-01	Fail	Quality		4,053	3,500	Secondary & nutrient	River		Eastern
Kells	D0127-01	Pass			8,093	8,000	Secondary	River		Eastern
Kentstown	D0479-01	Fail	Quality	✓	673	600	Secondary & nutrient	River		Eastern
Kildalkey	D0486-01	Pass			580	900	Secondary	River		Eastern
Kilmainhamwood	D0481-01	Pass			436	1,000	Secondary & nutrient	River		Neagh Bann
Longwood	D0250-01	Fail	Quality		1,845	1,500	Secondary & nutrient	River		Eastern
Moynalty	D0491-01	No result			244	800	Secondary & nutrient ²²	River		Eastern
Navan	D0059-01	Pass			35,743	50,000	Secondary & nutrient	River	✓	Eastern
Nobber	D0487-01	Fail	Quality		499	600	Secondary	River		Neagh Bann
Oldcastle	D0258-01	Pass			2,063	1,500	Secondary	River		Shannon
Rathmolyon	D0490-01	No result			377	800	Secondary & nutrient ²³	River		Eastern
Slane	D0257-01	Fail	Quality		1,786	2,250	Secondary	River		Eastern
Stamullen	D0262-01	Fail	Quality		2,089	2,300	Secondary & nutrient	River		Eastern
Summerhill	D0259-01	Fail	Quality & sample no.		975	3,000	Secondary	River		Eastern
Trim	D0137-01	Fail	Quality		8,649	12,000	Secondary & nutrient	River		Eastern

The results from Kilcloon are not presented as the waste water discharge licence application for this agglomeration was withdrawn.

²² The treatment plant at Moynalty was completed in August 2010.

²³ The treatment plant at Rathmolyon was completed in April 2010.

Monaghan County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Ballinode	D0435-01	Pass			487	1,000	Secondary	River		Neagh Bann
Ballybay	D0207-01	Pass			3,135	7,283	Secondary	River		N. Western
Carrickmacross	D0062-01	Pass			8,000	12,150	Secondary & nutrient	River	✓	Neagh Bann
Castleblayney	D0205-01	Pass			5,692	12,960	Secondary	Lake	✓	Neagh Bann
Clones	D0206-01	Fail	Quality & sample no.		3,100	4,500	Secondary	River		N. Western
Emyvale	D0346-01	Pass			1,045	2,000	Secondary & nutrient	River		Neagh Bann
Glaslough	D0347-01	Pass			720	1,850	Secondary & nutrient	River		Neagh Bann
Inniskeen	D0348-01	Pass			979	1,750	Secondary & nutrient	River		Neagh Bann
Knockaconny	D0463-01	Pass			200	1,000	Secondary	River	✓	Neagh Bann
Monaghan	D0061-01	Pass			17,751	43,833	Secondary & nutrient	River	✓	Neagh Bann
Newbliss	D0458-01	Fail	Quality		439	1,000	Secondary & nutrient	River		N. Western
Rockorry	D0454-01	Pass			226	1,000	Secondary & nutrient	River		N. Western
Scotstown	D0494-01	Fail	Quality		231	1,000	Secondary & nutrient	River		Neagh Bann
Smithboro	D0464-01	Fail	Quality		345	750	Secondary	River		N. Western

The results from Annyalla, Doohamlet and Scotshouse are not presented as the waste water discharge licence applications for these agglomerations were withdrawn.

Offaly County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Ballinagar	D0362-01	Fail	Quality	✓	800	200	Secondary	River		Shannon
Banagher	D0141-01	Pass			2,540	2,500	Secondary & nutrient	River	✓	Shannon
Birr	D0109-01	Pass			7,659	12,000	Secondary & nutrient	River		Shannon
Clara	D0142-01	Pass			5,776	4,500	Secondary & nutrient	River		Shannon
Cloghan	D0369-01	Pass			754	800	Secondary	River		Shannon
Daingean	D0226-01	Pass			1,229	1,200	Secondary	River		South Eastern
Edenderry	D0110-01	Pass			6,992	9,500	Secondary & nutrient	River		Eastern
Ferbane	D0147-01	Pass			1,635	3,184	Secondary & nutrient	River		Shannon
Kilcormac	D0225-01	Pass			1,026	2,000	Secondary	River		Shannon
Kinnity	D0363-01	Pass			418	750	Secondary	River		Shannon
Mucklagh	D0364-01	Fail	Quality	✓	786	1,100	Secondary	River	✓	Shannon
Rhode	D0227-01	Pass			846	1,000	Secondary & nutrient	River		Eastern
Shinrone	D0365-01	Fail	Quality		814	1,000	Secondary	River		Shannon
Tullamore	D0039-01	Pass			25,000	16,000	Secondary & nutrient	River	✓	Shannon

Roscommon County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Ballaghderreen	D0123-01	Pass			4,029	2,500	Secondary & nutrient	River		Shannon
Ballinlough	D0378-01	Pass			675	800	Secondary & nutrient	Lake		Shannon
Ballyleague	D0229-01	Fail	Quality		981	1,000	Secondary	Lake	✓	Shannon
Boyle	D0121-01	Pass			5,338	6,000	Secondary & nutrient	River		Shannon
Castlerea	D0118-01	Pass			4,950	4,950	Secondary & nutrient	River		Shannon
Elphin	D0230-01	Fail	Quality		1,160	800	Secondary	River		Shannon
Frenchpark	D0376-01	Fail	Quality	✓	705	500	Secondary	River		Shannon
Hodson Bay	D0377-01	Fail	Quality	✓	638	800	Secondary	Lake	✓	Shannon
Monksland	D0042-01	Fail	Quality		14,381	14,381	Secondary & nutrient	River		Shannon
Roosky	D0408-01	Fail	Sample no.		1,536	2,600	Secondary & nutrient	River		Shannon
Roscommon	D0116-01	Pass			9,458	9,550	Secondary & nutrient	River	✓	Shannon
Strokestown	D0228-01	Fail	Quality		1,463	1,000	Secondary	River		Shannon
Tarmonbarry	D0524-01	Fail	Quality		500	600	Secondary	River	✓	Shannon

Sligo County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Ballisadare	D0095-01	Pass			1,766	4,500	Secondary	Estuarine		Western
Ballymote	D0094-01	Fail	Quality		2,553	3,000	Secondary	River		Western
Carney	D0393-01	Pass			107	2,500	Secondary & nutrient	River		Western
Cliffoney	D0394-01	Fail	Quality	✓	710	450	Secondary	River		Western
Collooney	D0093-01	Fail	Quality	✓	1,930	1,400	Secondary	River		Western
Coolaney	D0392-01	Pass			1,100	2,500	Secondary & nutrient	River		Western
Easkey	D0373-01	Fail	Sample no.		366	450	Secondary	River		Western
Enniscrone	D0102-01	Pass			3,324	5,000	Secondary	Coastal		Western
Grange	D0381-01	Fail	Quality	✓	844	280	Secondary	River		Western
Gurteen	D0382-01	Pass			667	2,500	Secondary & nutrient	River		Western
Mullaghmore	D0239-01	No secondary			940	320	Primary	Coastal		N. Western
Riverstown	D0383-01	Fail	Quality		357	600	Secondary	River		Western
Rosses Point	D0249-01	No secondary			2,165	1,500	Primary	Coastal		Western
Sligo	D0014-01	Pass			27,731	50,000	Secondary & nutrient	Coastal		Western
Strandhill	D0107-01	Fail	Quality	✓	1,833	1,500	Secondary	Coastal		Western
Tubbercurry	D0092-01	Fail	Quality	✓	2,283	1,400	Secondary	River		Western

North Tipperary County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Ballina-Killaloe	D0189-01	Pass			5,094	4,000	Secondary & nutrient	River		Shannon
Borrisokane	D0326-01	Pass			1,033	1,500	Secondary	River		Shannon
Borrisoleigh	D0323-01	Fail	Quality		2,594	2,000	Secondary & nutrient	River		South Eastern
Cloughjordan	D0475-01	Fail	Quality	✓	650	500	Secondary	River		Shannon
Holycross	D0478-01	Fail	Quality		650	600	Secondary	River	✓	South Eastern
Littleton	D0480-01	Pass			600	1,000	Secondary	River		South Eastern
Nenagh	D0027-01	Pass			11,100	12,000	Secondary & nutrient	River	✓	Shannon
Newport	D0325-01	Pass			1,817	1,900	Secondary	River		Shannon
Roscrea	D0025-01	Pass			19,243	26,000	Secondary & nutrient	River	✓	Shannon
Templemore	D0190-01	Pass			2,014	6,000	Secondary & nutrient	River	✓	South Eastern
Thurles	D0026-01	Pass			10,883	15,000	Secondary & nutrient	River	✓	South Eastern
Twomileborris	D0474-01	Pass			600	800	Secondary	River		South Eastern

South Tipperary County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Ardfinnan	D0311-01	Pass			1,070	1,000	Secondary & nutrient	River	✓	South Eastern
Ballyclerihan	D0455-01	Pass			536	2,000	Secondary & nutrient	River	✓	South Eastern
Cahir	D0167-01	Pass			4,390	5,000	Secondary	River	✓	South Eastern
Cappawhite	D0440-01	No secondary			623	350	Primary	River		Shannon
Carrick-on-Suir	D0148-01	Fail	Sample no.		7,557	11,000	Secondary & nutrient	River	✓	South Eastern
Cashel	D0171-01	Pass			6,842	9,000	Secondary	River	✓	South Eastern
Clogheen	D0453-01	Pass			533	1,000	Secondary & nutrient	River		South Eastern
Clonmel	D0035-01	Fail	Sample no.		46,428	80,000	Secondary & nutrient	River	✓	South Eastern
Fethard	D0164-01	Pass			2,684	3,000	Secondary & nutrient	River		South Eastern
Killenaule	D0443-01	Pass			727	1,200	Secondary & nutrient	River	✓	South Eastern
Kilsheelan	D0452-01	Pass			460	1,000	Secondary & nutrient	River	✓	South Eastern
Limerick Junction	D0457-01	Pass			656	500	Secondary	River		Shannon
Mullinahone	D0456-01	Fail	Quality	✓	641	800	Secondary	River		South Eastern
Tipperary	D0146-01	Pass			8,732	9,800	Secondary & nutrient	River	✓	South Eastern

Waterford City Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Waterford City	D0022-01	Pass			63,967	190,600	Secondary	Estuarine		South Eastern

Waterford County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Ardmore	D0162-01	No secondary			876		No treatment	Coastal		South Eastern
Cappoquin	D0272-01	No secondary			1,285	950	Primary	River	✓	S. Western
Dungarvan	D0017-01	Pass			13,000	20,000	Secondary	Coastal		South Eastern
Ballinroad		Fail	Quality	✓	1,200	750	Secondary	Estuarine		
Dunmore East	D0170-01	No secondary			1,600		No treatment	Coastal		South Eastern
Kilmacthomas	D0275-01	No secondary			600	600	Primary	River		South Eastern
Lismore	D0176-01	Pass			1,600	1,800	Secondary	River	✓	S. Western
Portlaoise	D0274-01	Fail	Quality	✓	1,500	1,750	Secondary	River	✓	South Eastern
Ring-Helvick-Ballinagoul	D0358-01	Pass			900	1,600	Secondary	Coastal		South Eastern
Stradbally	D0353-01	No secondary			500	240	Primary	Estuarine		South Eastern
Tallow	D0273-01	No secondary			1,450	1,700	Primary	River	✓	S. Western
Tramore	D0015-01	Pass			12,000	15,300	Secondary	Coastal		South Eastern

Westmeath County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Athlone	D0007-01	Pass			20,169	30,000	Secondary & nutrient	River		Shannon
Ballymore	D0509-01	Pass			400	500	Secondary	River		Shannon
Ballynacarrigy	D0482-01	Pass			400	600	Secondary & nutrient	River		Shannon
Castlepollard	D0105-01	Pass			2,000	6,500	Secondary & nutrient	River		Shannon
Clonmellon	D0271-01	Pass			439	1,500	Secondary	River		Eastern
Collinstown	D0485-01	Pass			240	1,000	Secondary & nutrient	River		Shannon
Delvin	D0267-01	Fail	Quality		950	1,250	Secondary	River		Eastern
Kilbeggan	D0103-01	Pass			1,800	2,250	Secondary	River	✓	Shannon
Killucan	D0100-01	Pass			718	2,500	Secondary & nutrient	River		Eastern
Kinnegad	D0104-01	Fail	Quality		3,032	4,800	Secondary & nutrient	River		Eastern
Moate	D0097-01	Pass			5,954	4,000	Secondary & nutrient	River		Shannon
Mullingar	D0008-01	Pass			25,300	55,000	Secondary & nutrient	River	✓	Shannon
Multyfarnham	D0510-01	Pass			300	700	Secondary	River		Shannon
Rochfortbridge	D0101-01	Fail	Quality		2,341	3,500	Secondary & nutrient	River		Eastern
Tyrellspass	D0099-01	Pass			655	2,000	Secondary & nutrient	River	✓	Shannon

Wexford County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Ballaghkeen (Ballagh)	D0398-01	Pass			469	500	Secondary & nutrient	River		South Eastern
Ballycanew	D0402-01	No secondary			840	150	Primary	River		South Eastern
Ballymurn	D0407-01	Pass			661	600	Secondary & nutrient	River	✓	South Eastern
Blackwater	D0143-01	Pass			1,038	2,000	Secondary	River		South Eastern
Bridgetown	D0231-01	Pass			1,058	2,000	Secondary & nutrient	Estuarine		South Eastern
Bunclody	D0163-01	--- ²⁴			1,977	6,000	Secondary	River		South Eastern
Camolin	D0405-01	No secondary			630	150	Primary	River		South Eastern
Campile	D0409-01	No secondary			639	250	Primary	Estuarine	✓	South Eastern
Castlebridge	D0235-01	Fail	Quality		2,241	2,000	Secondary	Estuarine	✓	South Eastern
Clonroche	D0404-01	Pass			613	650	Secondary	River		South Eastern
Coolgreany	D0174-01	Pass			546	2,400	Secondary	River		South Eastern
Courtown	D0046-01	Pass			10,000	12,000	Secondary	Coastal		South Eastern
Gorey		Fail	Quality		5,000	5,000	Secondary & nutrient	River		
Duncannon	D0245-01	No secondary			1,172		No treatment	Coastal		South Eastern
Enniscorthy	D0029-01	Pass			15,900	16,500	Secondary	Estuarine	✓	South Eastern
Kilagoley		Fail	Quality	✓	1,316	850		River	✓	
Ferns	D0169-01	Fail	Quality		1,808	2,150	Secondary & nutrient	River	✓	South Eastern
Fethard-on-Sea	D0241-01	No secondary			912	500	Primary	Estuarine		South Eastern
Kilmore Quay	D0232-01	No secondary			1,386		No treatment	Coastal		South Eastern
Kilmuckridge	D0161-01	Fail	Quality		1,686	2,000	Secondary	River		South Eastern
New Ross	D0036-01	Pass			16,000	16,000	Secondary	Estuarine		South Eastern
Piercetown	D0406-01	Pass			785	800	Secondary & nutrient	River	✓	South Eastern
Rosslare Harbour	D0165-01	Pass			3,938	9,400	Secondary	Coastal		South Eastern
Rosslare Strand	D0173-01	Fail	Quality		6,240	7,500	Secondary	Coastal		South Eastern

²⁴ Compliance assessment was not carried out as the new secondary treatment plant was undergoing commissioning and process proofing during 2010.

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Taghmon	D0389-01	Fail	Quality	✓	980	600	Secondary	River		South Eastern
Tagoat	D0397-01	Pass			750	750	Secondary & nutrient	River		South Eastern
Wexford Town	D0030-01	Pass			32,000	45,000	Secondary & nutrient	Estuarine	✓	South Eastern

Wicklow County Council

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Arklow	D0006-01	No secondary			16,997		No treatment	Coastal		Eastern
Aughrim	D0222-01	Pass			1,314	1,200	Secondary	River		Eastern
Avoca	D0411-01	No secondary			1,214	500	Primary	River		Eastern
Ballinaclash	D0412-01	Fail	Quality		229	900	Secondary & nutrient	River		Eastern
Baltinglass	D0089-01	Pass			2,653	3,000	Secondary	River		South Eastern
Blessington	D0063-01	Pass			6,000	6,000	Secondary & nutrient	Lake		Eastern
Bray	D0005-01	No secondary			35,000	40,000	Preliminary	Coastal		Eastern
Carnew	D0064-01	Pass			2,300	2,400	Secondary	River		South Eastern
Miltown Dunlavin: Logatryna	D0476-01	Pass			581	600	Secondary	River		South Eastern
		Fail	Quality	✓	1,378	300				
Enniskerry	D0088-01	Pass			5,217	6,000	Secondary & nutrient	River		Eastern
Greystones	D0010-01	Pass			34,972	30,000	Secondary	Coastal		Eastern
Kilcoole	D0087-01	Pass			1,108	2,400	Secondary	River		Eastern
Kilpedder	D0416-01	Pass			679	600	Secondary	River		Eastern
Laragh	D0415-01	Fail	Quality		770	1,000	Secondary	River		Eastern
Newcastle	D0410-01	Pass			837	1,000	Secondary	River		Eastern
Rathdrum	D0086-01	Pass			2,275	3,500	Secondary & nutrient	River		Eastern
Redcross	D0414-01	Pass			1,047	1,000	Secondary & nutrient	River		Eastern
Roundwood	D0223-01	Pass			1,088	1,600	Secondary	River		Eastern
Shillelagh	D0413-01	Pass			550	800	Secondary	River		South Eastern
Stratford	D0477-01	Fail	Quality	✓	40	600	Secondary	River		South Eastern
Tinahely	D0221-01	Pass			1,199	1,200	Secondary	River		South Eastern
Wicklow ²⁵	D0012-01	Pass			17,906	32,000	Secondary	Coastal		Eastern

²⁵ Ashford and Rathnew agglomerations were connected to Wicklow WWTP in 2010.