

Glossary and Abbreviations



Children on Beach
Photo: Sinead McGinley

Glossary and Abbreviations

Abbreviations	
CER	Commission for Energy Regulation
DECLG	Department of Environment, Community and Local Government
EPA	Environmental Protection Agency
RBMPs	River Basin Management Plans
RBD	River Basin District
UWWTD	Urban Wastewater Treatment Directive
WFD	Water Framework Directive
WSZ	Water Supply Zone

Glossary	
Abstraction	The removal of water from a river, lake or groundwater usually with the use of a pump.
Agglomeration	An urban settlement (village, town or city area) which is connected through a pipe network to a wastewater treatment plant. Agglomeration areas are defined on maps and used to plan wastewater services infrastructure.
Asset	Infrastructure (e.g. buildings, treatment plants) and equipment (e.g. pumps, screens, treatment units, disinfection systems and control panels) controlled and operated by Irish water to deliver water and wastewater services. We divide these into Below Ground Assets such as pipework and valves and Above Ground Assets such as treatment plants.
Borehole	A vertically drilled hole into the subsoils and/or bedrock which is used to monitor or abstract groundwater. A borehole is usually lined with a casing and/or screen to prevent it from collapse.
Biodiversity	The variety of all living things.
Catchment	The area of land where surface water from rainfall converges to a single point at a lower elevation, usually a point in a river, lake or an estuary. The catchment includes all drainage channels, tributaries (smaller streams) and floodplains.
Catchment Boundary or Watershed	The topographic line defining the catchment.
Discharge	Treated effluent from a wastewater treatment plant which is returned to the water environment. This is usually from a pipe and outflow structure into a river or the sea.
Drinking Water Regulations	European Union (Drinking Water) Regulations 2014 - S.I. No. 122 of 2014.
European Directive	A legal act of the European Union which requires member states to achieve a particular result. Examples are the Drinking Water Directive, Urban Wastewater Treatment Directive and the Water Framework Directive.
Groundwater	Water located beneath the ground surface in soil and rock pore spaces and fractures within rock formations.
Headroom	Spare capacity in water and wastewater infrastructure (treatment plants and networks) to cope with adverse weather conditions or unplanned incidents such as a break in a trunk main or equipment failures at a treatment plant.

Glossary	
Network	The interconnection of pipes and pumping stations used for the distribution of treated water and the collection of wastewater.
Plumbosolvency	The ability of water to dissolve lead into water supplies from lead pipes.
Population Equivalent (PE)	Wastewater treatment plants are described in terms of their designed treatment capacity, which is generally expressed as population equivalents (PE). This is a measurement of total organic biodegradable load, including industrial, institutional, commercial and domestic organic load, on a wastewater treatment plant, converted to the equivalent number of population equivalents (PE). One person is considered to generate 60g of BOD per day (BOD is the 5 day biochemical oxygen demand); and 1 PE is defined as being equivalent to 60g of BOD per day.
Raw Water	Water abstracted for drinking water purposes before treatment.
Regional Planning Guidelines	Regional Planning Guidelines (RPGs) are policy documents which aim to direct the future growth of a region over the medium to long term. They appraise the critical elements involved in ensuring sustainable and good planning in the right places, and though the protection of sensitive or environmentally important locations. The Guidelines inform and direct the City and County Development Plans of each of the Councils. The Planning and Development Act, 2000 (as amended) requires that all Regional Authorities shall at the direction of the Minister make Regional Planning Guidelines. Eight Regional Authorities were set up in 1994 under the Local Government Act 1991 (Regional Authorities) Establishment Order 1993. However, the 8 Regional Authorities have been reconfigured to 3 Regional Assemblies under the Local Government Reform Act, 2014 and the RPGs will be replaced by Regional Spatial and Economic Strategies to be published in 2016.
Resilience	The ability of a system (e.g. water supply zone or wastewater network) to cope with change or stress. In a water services context stress to the system or network could result from increased demand, partial failure of operating plant, climate change or local contamination of water sources.
River Basin District	A group of catchments which are defined within River Basin Management Plans prepared under the Water Framework Directive.
River Basin Management Plans	A plan for a group of catchments which contains a range of measures (proposals) aims at protecting and improving the use of the water environment.
Standard Operating Procedures	Detailed, written instructions and rules for managing and operating assets.

Glossary

Sustainable Economic Level of Leakage	The level of leakage from underground pipes where it becomes economically and environmentally unsustainable to invest in further reductions in leakage. The cost (financially and environmentally) to fix the leakage is greater than the cost of water being lost.
Water Body	A defined section of river, lake or groundwater identified in the water body characterisation of the River Basin Management Plans developed under the Water Framework Directive.
Water Body Objectives	Environmental objectives set for each water body assessed within the River Basin Management Plans. The objectives could relate to achieving Good Status for the water body (requiring improvements to water quality, ecology, channelisation or other factors) or to no deterioration in status.
Water Supply Zone	The area supplied by an individual water supply scheme. This typically includes one or more abstractions (from a river, lake or groundwater), a treatment plant, storage in reservoirs and the distribution pipe network to deliver the water to each household or business.

Appendix 1 - EPA Remedial Action List (2013)

WATER SUPPLY

Local Authority		Name of Water Supply	Scheme Code
1.	Cavan Co.Co	Kingscourt	0200PUB1015
2.	Cork (West) Co.Co	Castletownbere New	0500PUB4205
3.	Cork (West) Co.Co	Drimoleague	0500PUB4103
4.	Cork (West) Co.Co	Kealkill	0500PUB4105
5.	Cork (West) Co.Co	Schull	050PUB4503
6.	Cork City Co.	Cork City Water Supply	0400PUB1001
7.	Donegal Co.Co	Cashilard	0600PUB1106
8.	Donegal Co.Co	Cresslough	0600PUB1075
9.	Donegal Co.Co	Fintown	0600PUB1065
10.	Donegal Co.Co	Glenties-Ardara	0600PUB1070
11.	Donegal Co.Co	Gortahork-Falcarragh	0600PUB1059
12.	Donegal Co.Co	Greencastle	0600PUB1015
13.	Donegal Co.Co	Owenteskna/Kilcar	0600PUB1091
14.	Donegal Co.Co	Letterkenny	0600PUB1110
15.	Donegal Co.Co	Portnoo-Narin	0600PUB1068
16.	Donegal Co.Co	Rathmullen	0600PUB1053
17.	Dublin City Co.	Ballyboden	0700PUB1002
18.	Dublin City Co.	Ballymore Eustace-Leixlip & Vartry/Ballymore Eustace	0700PUB1006
19.	Dublin City Co.	Vartry-Ballymore Eustace	0700PUB1007
20.	Dunlaoighre Rathdown Co.Co	Stillorgan	1000PUB1001
21.	Dunlaoighre Rathdown Co.Co	Roundwood	1000PUB1006
22.	Dunlaoighre Rathdown Co.Co	Church Road	1000PUB1007

Appendix 1 - EPA Remedial Action List (2013) WATER SUPPLY continued

Local Authority		Name of Water Supply	Scheme Code
23.	Galway Co.Co	Ballinasloe Rws	1200PUB1004
24.	Galway Co.Co	Ballyconneely P.S	1200PUB1005
25.	Galway Co.Co	Carraroe PWS	1200PUB1009
26.	Galway Co.Co	Glenamaddy	1200PUB1021
27.	Galway Co.Co	Inishere P.S	1200PUB1025
28.	Galway Co.Co	Kilmor PWS	1200PUB1032
29.	Galway Co.Co	Kilkerrin/Moylough	1200PUB1031
30.	Galway Co.Co	Leenane P.S	1200PUB1035
31.	Galway Co.Co	Mid Galway	1200PUB1038
32.	Galway Co.Co	Portumna PS	1200PUB1042
33.	Galway Co.Co	Williamstown PS	1200PUB1049
34.	Kerry Co.Co	An Clochan 028D	1300PUB1027
35.	Kerry Co.Co	Ballinaskelligs 008H	1300PUB1049
36.	Kerry Co.Co	Ballymacadam 402F	1300PUB1102
37.	Kerry Co.Co	Barraduff 014A	1300PUB1015
38.	Kerry Co.Co	Caherdaniel 019H	1300PUB1051
39.	Kerry Co.Co	Caherciveen 017H	1300PUB1050
40.	Kerry Co.Co	Caragh Lake 022A	1300PUB1046
41.	Kerry Co.Co	Castlecove 023H	1300PUB1052
42.	Kerry Co.Co	Castlegregory 024D	1300PUB1026
43.	Kerry Co.Co	Cill Maoltheadair 047D	1300PUB1112
44.	Kerry Co.Co	Dingle 030D	1300PUB1034

Appendix 1 - EPA Remedial Action List (2013) WATER SUPPLY continued

Local Authority		Name of Water Supply	Scheme Code
45.	Kerry Co.Co	Dun Chaoin 034D	1300PUB1035
46.	Kerry Co.Co	Glen 039H	1300PUB1098
47.	Kerry Co.Co	Inch PWS 044D	1300PUB1040
48.	Kerry Co.Co	Kenmare 045A	1300PUB1058
49.	Kerry Co.Co	Kilgarvan 046A	1300PUB1059
50.	Kerry Co.Co	Kilsarkin 403F	1300PUB1103
51.	Kerry Co.Co	Lauragh 051A	1300PUB1060
52.	Kerry Co.Co	Lisarboola 404F	1300PUB1105
53.	Kerry Co.Co	Lisloose Reservoir	1300PUB1106
54.	Kerry Co.Co	Lough Guitane 400F	1300PUB1016
55.	Kerry Co.Co	Maulin 066H	1300PUB1115
56.	Kerry Co.Co	Milltown (Poulgorum)	1300PUB1118
57.	Kerry Co.Co	Minard No.1 (Puck Island)	1300PUB1042
58.	Kerry Co.Co	Mountain Stage 062A	1300PUB1119
59.	Kerry Co.Co	Murreigh Ballydavid 063D	1300PUB1044
60.	Kerry Co.Co	Portmagee 064H	1300PUB1055
61.	Kerry Co.Co	Shrone 078A	1300PUB1121
62.	Kerry Co.Co	Templenoë 073A	1300PUB1062
63.	Kerry Co.Co	Ventry 074D	1300PUB1045
64.	Kerry Co.Co	Waterville 075H	1300PUB1057
65.	Kilkenny Co.Co	Inistioge WS	1500PUB1009
66.	Kilkenny Co.Co	Kilkenny City (Radestown) WS	1500PUB1010

Appendix 1 - EPA Remedial Action List (2013) WATER SUPPLY continued

Local Authority		Name of Water Supply	Scheme Code
67.	Laois Co.Co	Portlaoise	1600PUB1004
68.	Leitrim Co.Co	South Leitrim Regional	1700PUB1100
69.	Longford Co.Co	Newtown Cashel	2000PUB1012
70.	Louth Co.Co	Omeath	2100PUB1012
71.	Louth Co.Co	Staleen	2100PUB1019
72.	Mayo Co.Co	Inishurk	2200PUB1031
73.	Mayo Co.Co	Kilmaine PS	2200PUB1016
74.	Mayo Co.Co	Kiltimagh	2200PUB1032
75.	Mayo Co.Co	Lough Mask	2200PUB1032
76.	Meath Co.Co	Ballinaclose	2300PUB2005
77.	Meath Co.Co	East Meath	2300PUB1008
78.	Meath Co.Co	Kells-Oldcastle	2300PUB1011
79.	Meath Co.Co	Navan & MidMeath PWS	2300PUB1016
80.	Meath Co.Co	Trim PWS	2300PUB1009
81.	Monaghan Co.Co	Carrickmacross	2400PUB1005
82.	Monaghan Co. Co	Lough Egish RWSS	2400PUB1001
83.	Roscommon Co.Co	Ballyfarnan	2600PUB1009
84.	Roscommon Co.Co	Ballinlough/Loughglynn	2600PUB1014
85.	Roscommon Co.Co	Boyle/Ardcarne	2600PUB1011
86.	Roscommon Co.Co	Boyle	2600PUB1023
87.	Roscommon Co.Co.	Castlerea Urban	2600PUB1016
88.	Roscommon Co.Co	Castlerea Regional	2600PUB1015

Appendix 1 - EPA Remedial Action List (2013)

WATER SUPPLY continued

Local Authority		Name of Water Supply	Scheme Code
89.	Roscommon Co.Co	North East RWSS	2600PUB1007
90.	Roscommon Co.Co	Roscommon Central	2600PUB1002
91.	Roscommon Co.Co	SRRWSS – Killeglan	2600PUB1004
92.	Roscommon Co.Co	SRRWSS - Lisbrock	2600PUB1022
93.	Roscommon Co.Co	NRRWSS	2600PUB1012
94.	Sligo Co.Co	Kilaraght Public Water Supply	2700PUB2714
95.	Sligo Co.Co	Lough Gill Regional Water Supply	2700PUB2710
96.	Sligo Co.Co	Lough Talt Regional Water Supply	2700PUB2702
97.	Sligo Co.Co	South Sligo Regional Water Supply	2700PUB2709
98.	South Tipperary Co.Co.	Burncourt	2900PUB0104
99.	South Tipperary Co.Co.	Carrick-on-Suir (Crotty's Lake)	2900PUB0118
100.	South Tipperary Co.Co	Carrick-on-Suir (Lingaun River)	2900PUB0150
101.	South Tipperary Co.Co	Clonmel Poulavanogue	2900PUB0109
102.	South Tipperary Co.Co	Cloran Regional	2900PUB0110
103.	South Tipperary Co.Co	Gortnapisha	2900PUB0137
104.	South Tipperary Co.Co	Graigue	2900PUB0205
105.	South Tipperary Co.Co	Mullenbawn	2900PUB0149
106.	Waterford Co.Co	Ballyhane	3100PUB1089
107.	Waterford Co.Co	Colligan	3100PUB1032
108.	Waterford Co.Co	Croan Upper	3100PUB1035
109.	Waterford Co.Co	Inchinleamy	3100PUB1054
110.	Waterford Co.Co	Ring/Helvick	3100PUB1084

Appendix 1 - EPA Remedial Action List (2013)

WATER SUPPLY continued

Local Authority		Name of Water Supply	Scheme Code
111.	Waterford Co.Co	Smoorebeg	3100PUB1092
112.	Waterford Co.Co	Tallow	3100PUB1095
113.	Wexford Co.Co	Sow Regional	3300PUB1641
114.	Wicklow Co.Co	Arklow Public Supply	3400PUB1004
115.	Wicklow Co.Co.	Aughrim/Annacurra	3400PUB1023
116.	Wicklow Co.Co	Avoca/Ballinaclesh Public Supply	3400PUB1024
117.	Wicklow Co.Co	Enniskerry Public Supply	3400PUB1024
118.	Wicklow Co.Co	Glenealy Public Supply	3400PUB1021
119.	Wicklow Co.Co	Wicklow Regional Public Supply	3400PUB1005
120.	Wicklow Co.Co	Windgates/Tempolecarrig	3400PUB1036
121.	Wicklow Co.Co	Bray Direct	3400PUB1001
122.	Wicklow Co.Co	Bray Reservoir	3400PUB1002
123.	Wicklow Co.Co	Greystones	3400PUB1003
124.	Wicklow Co.Co	Kilcoole	3400PUB1008
125.	Wicklow Co.Co	Kilmacanogue	3400PUB1009
126.	Wicklow Co.Co	Newtown Newcastle	3400PUB1010

Appendix 2 - List of Areas from which raw sewage is discharged

7 LARGER URBAN AREAS, ABOVE THE DIRECTIVE THRESHOLDS, WITH NO TREATMENT OR PRELIMINARY TREATMENT ONLY AT THE END OF 2013

1.	Cork	Cobh	D0054-01
2.	Cork	Passage West/Monkstown	D0129-01
3.	Cork	Ringaskiddy/Crosshaven/Carrigaline	D0057-01
4.	Cork	Youghal	D0139-01
5.	Donegal	Bundoran	D0130-01
6.	Donegal	Killybegs	D0011-01
7.	Wicklow	Arklow	D0006-01

28 SMALLER URBAN AREAS, IN THE SIZE RANGE 500 P.E. UP TO THE DIRECTIVE THRESHOLDS, WITH NO TREATMENT OR PRELIMINARY TREATMENT ONLY IN 2013

	County/ Region	Urban Area	Licence Number
8.	Clare	Ballyvaughan	D0327-01
9.	Clare	Clarecastle	D0322-01
10.	Clare	Kilkee	D0078-01
11.	Clare	Kilrush	D0075-01
12.	Clare	Liscannor	D0430-01
13.	Cork	Ballycotton	D0516-01
14.	Cork	Castletownbere	D0297-01
15.	Cork	Castletownshend	D0468-01
16.	Cork	Ringaskiddy Village	D0436-01
17.	Cork	Timoleague	D0466-01
18.	Cork	Whitegate/Aghada	D0423-01
19.	Donegal	Falcarragh	D0343-01

Appendix 2 - List of Areas from which raw sewage is discharged continued

20.	Donegal	Kilcar	D0520-01
21.	Donegal	Moville	D0212-01
22.	Donegal	Ramelton	D0341-01
23.	Donegal	St.Johnston	D0538-01
24.	Fingal	Rush	D0119-01
25.	Galway	Ahascragh	D0372-01
26.	Galway	Carraroe	D0388-01
27.	Galway	Kinvara	D0276-01
28.	Galway	Spiddal	D0396-01
29.	Kerry	Ballylongford	D0459-01
30.	Mayo	Bellmullet	D0074-01
31.	Mayo	Killala	D0067-01
32.	Waterford	Ardmore	D0162-01
33.	Waterford	Dunmore East	D0170-01
34.	Wexford	Duncannon	D0245-01
35.	Wexford	Kilmore Quay	D0232-01

Appendix 2 - List of Areas from which raw sewage is discharged continued

9 CERTIFICATE OF AUTHORISATION AREAS (<500 P.E) WHERE WASTE WATER WAS DISCHARGED WITH NO TREATMENT

County/ Region		Certificate of Authorisation Site	Certificate Number
36.	Cork	Inchigeelagh	A0349-01
37.	Cork	Kilmacsimon	A0360-01
38.	Donegal	Burtonport	A0446-01
39.	Donegal	Coolatee Housing Scheme	A0525-01
40.	Donegal	Kerrykeel	A0445-01
41.	Galway	Roundstone	A0115-01
42.	Louth	Omeath	A0072-01
43.	Wexford	Arthurstown	A0243-01
44.	Wexford	Ballyhack	A0242-01

Appendix 3 - Agglomerations identified in the European Commission Infringement Case against Ireland in respect of the Urban Waste Water Treatment Directive

1.	Abbeyfeale	23.	Cobh
2.	Abbeyleix	24.	Cork City
3.	Arklow	25.	Courtown/Gorey
4.	Athlone	26.	Dundalk
5.	Athy	27.	Dunmanway
6.	Ballincollig New	28.	Enfield
7.	Ballybofey/Stranorlar	29.	Enniscorthy
8.	Ballyragget	30.	Fermoy
9.	Blarney	31.	Kildare Town
10.	Borrisoleigh	32.	Kilkenny City and environs
11.	Callan	33.	Killarney
12.	Carlow	34.	Killybegs
13.	Carrickmacross	35.	Kingscourt
14.	Carrick-on-Suir	36.	Kinsale
15.	Carrigtwohill and environs	37.	Letterkenny
16.	Castlebar	38.	Lower Liffey Valley Regional Sewerage Scheme
17.	Castlebridge	39.	Lusk
18.	Castlecomer	40.	Mallow
19.	Castletroy	41.	Manorhamilton
20.	Cavan	42.	Midleton
21.	Clifden	43.	Monaghan
22.	Clonakilty and Environs	44.	Monksland Wastewater Treatment Works

Appendix 3 - Agglomerations identified in the European Commission Infringement Case against Ireland in respect of the Urban Waste Water Treatment Directive continued

45.	Mountmellick	59.	Skibbereen
46.	Mountrath	60.	Swords
47.	Navan	61.	Templemore
48.	Nenagh	62.	Thomastown
49.	Passage/Monkstown	63.	Thurles
50.	Piltown	64.	Tralee
51.	Portarlington	65.	Tubbercurry
52.	Rathcormac	66.	Tullamore
53.	Rathdowney	67.	Tullow Wastewater Treatment Plant
54.	Ringaskiddy	68.	Upper Liffey Valley Sewerage Scheme
55.	Ringsend	69.	Urlingford
56.	Roscommon	70.	Waterford
57.	Roscrea	71.	Youghal
58.	Shannon Town		

