

EDM Storm Overflow Annual Return Summary Reporting 2021

Table 1: 2021 EDM Headlines	Anglian Water (AWS)	Dwr Cymru Welsh Water (DC/WW) (in England)	Northumbrian Water (NW)	Severn Trent Water (SVT)	South West Water (SWW)	Southern Water (SW)	Thames Water (TW)	United Utilities (UU)	Wessex Water (WSSX)	Yorkshire Water (YWS)	Water Company Totals / Average
Total no. storm overflows listed in the annual return in 2021	1552	124	1567	2658	1391	978	465	2192	1297	2246	14,470
Total no. storm overflows with EDM commissioned	842	123	1542	2437	1102	963	465	2006	1049	2178	12,707
% overflows listed with EDM commissioned	54.3%	99.2%	98.4%	91.7%	79.2%	98.5%	100%	91.5%	80.9%	97.0%	89%
Total no. storm overflows with spill data	834	121	1440	2412	1093	943	461	1954	1048	2087	12,393
Average no. spills per storm overflow with spill data in 2021	25.6	29.5	25.3	24.7	38.9	20.2	31.9	41.8	22.4	33.6	29.4
Average duration (hrs) per monitored spill event in 2021	9.1	4.8	6.0	7.7	8.3	8.4	11.1	6.6	6.4	5.8	7.4

Table 2: 2021 EDM Summary Statistics	Anglian Water (AWS)	Dwr Cymru Welsh Water (DC/WW) (in England)	Northumbrian Water (NW)	Severn Trent Water (SVT)	South West Water (SWW)	Southern Water (SW)	Thames Water (TW)	United Utilities (UU)	Wessex Water (WSSX)	Yorkshire Water (YWS)	Water Company Totals / Average
Total no. number of spill events in 2021	21,351	3,567	36,483	59,684	42,484	19,077	14,713	81,588	23,524	70,062	372,533
Average no. spills per storm overflow with spill data in 2021	25.6	29.5	25.3	24.7	38.9	20.2	31.9	41.8	22.4	33.6	29.4
Total duration (hrs) of monitored spill events in 2021	194,594	17,163	220,560	461,135	351,785	160,984	163,090	540,753	151,258	406,131	2,667,452
Average duration (hrs) per monitored spill event in 2021	9.1	4.8	6.0	7.7	8.3	8.4	11.1	6.6	6.4	5.8	7.4
Percentage time operating [spilling] during 2021 per overflow (average)	2.7%	1.6%	1.7%	2.2%	3.7%	1.9%	4.0%	3.2%	1.6%	2.2%	2%

Table 3: 2021 EDM Device Operation	Anglian Water (AWS)	Dwr Cymru Welsh Water (DC/WW) (in England)	Northumbrian Water (NW)	Severn Trent Water (SVT)	South West Water (SWW)	Southern Water (SW)	Thames Water (TW)	United Utilities (UU)	Wessex Water (WSSX)	Yorkshire Water (YWS)	Water Company Totals / Average
Total no. overflows with EDM Operation data	838	123	1542	2432	1100	963	465	1935	1049	2161	12,608
% storm overflows with 0% EDM Operation during reporting period	0.5%	1.6%	6.6%	0.8%	0.6%	2.1%	0.9%	2.7%	0.1%	3.4%	2%
% storm overflows with ≥90% EDM Operation during reporting period	92.7%	87.0%	80.7%	76.9%	87.0%	87.5%	90.3%	92.2%	95.9%	80.3%	87%
% storm overflows with <90% EDM Operation during reporting period	7.3%	13.0%	19.3%	23.1%	13.0%	12.5%	9.7%	7.8%	4.1%	19.7%	13%
% of those with <90% operability with reason provided	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Table 4: 2021 Storm Overflow Spill Performance	Anglian Water (AWS)	Dwr Cymru Welsh Water (DC/WW) (in England)	Northumbrian Water (NW)	Severn Trent Water (SVT)	South West Water (SWW)	Southern Water (SW)	Thames Water (TW)	United Utilities (UU)	Wessex Water (WSSX)	Yorkshire Water (YWS)	Water Company Totals / Average
% with EDM installed & provided count data - with 0 spill count (did not spill)	10.6%	12.4%	12.4%	17.8%	15.4%	18.6%	8.9%	10.7%	11.9%	13.8%	13%
% storm overflows that spilled - recorded ≥1 spill count	89.4%	87.6%	87.6%	82.2%	84.6%	81.4%	90.9%	89.3%	86.3%	86.2%	87%
% recorded 5 spills or less	32.4%	26.4%	32.0%	37.1%	28.2%	38.7%	24.7%	24.3%	28.5%	27.6%	30%
% recorded 10 spills or less	44.5%	35.5%	42.3%	49.5%	36.0%	51.3%	34.1%	32.3%	41.6%	35.4%	40%
% recorded 20 spills or less	60.7%	48.8%	55.6%	62.4%	50.4%	66.5%	49.0%	43.7%	61.0%	49.4%	55%
% recorded >20 spills	39.3%	51.2%	44.4%	37.6%	49.6%	33.5%	50.8%	56.3%	39.0%	50.6%	45%
% recorded 40 spills or more	21.2%	31.4%	24.7%	20.5%	33.7%	18.0%	30.6%	40.5%	18.7%	34.6%	27%
% recorded 60 spills or more	12.0%	15.7%	11.3%	12.3%	23.4%	8.5%	19.7%	27.9%	7.4%	20.3%	16%
% recorded 100 spills or more	4.7%	3.3%	2.8%	4.2%	10.4%	2.0%	5.0%	9.5%	1.9%	6.1%	5%
% recorded 200 spills or more	0.4%	0%	0%	0.5%	1.4%	0.1%	0%	1.3%	0.1%	0.1%	0.4%

Table 5: 2021 Storm Overflow Spill Reasons	Anglian Water (AWS)	Dwr Cymru Welsh Water (DC/WW) (in England)	Northumbrian Water (NW)	Severn Trent Water (SVT)	South West Water (SWW)	Southern Water (SW)	Thames Water (TW)	United Utilities (UU)	Wessex Water (WSSX)	Yorkshire Water (YWS)	Water Company Totals / Average
Please note these metrics are in development. In 2021 there is some inconsistency in approach by different water & sewerage companies											
Of those that spilt over SOAF thresholds of >60x in one year, % with a reason provided	69.8%	26.3%	36.3%	34.0%	16.7%	13.9%	100%	100%	38.7%	0%	44%
Of those that spilt over SOAF thresholds of >60x in one year, what % due to exceptional weather?	6%	0%	0%	0%	0%	9%	0%	0%	0%	N/A	2%
Of those that spilt over SOAF thresholds of >60x in one year, what % due to other operational (incl. asset maintenance)?	49%	20%	9%	0%	29%	27%	61%	12%	52%	N/A	29%
Of those that spilt over SOAF thresholds of >60x in one year, what % due to hydraulic capacity reasons?	45%	80%	91%	100%	71%	64%	39%	88%	48%	N/A	70%

Table 6: 2021 EDM Storm Overflow Annual Return Data Entry	Anglian Water (AWS)	Dwr Cymru Welsh Water (DC/WW) (in England)	Northumbrian Water (NW)	Severn Trent Water (SVT)	South West Water (SWW)	Southern Water (SW)	Thames Water (TW)	United Utilities (UU)	Wessex Water (WSSX)	Yorkshire Water (YWS)	Totals / Average
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% overflows listed with spill data	53.7%	97.6%	91.9%	90.7%	78.6%	96.4%	99.1%	89.1%	80.8%	92.9%	87%
% overflows with <90% operability where valid reason provided	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
% of overflows >60 spills in one year with a reason provided	69.8%	26.3%	36.3%	34.0%	16.7%	13.9%	100%	100%	38.7%	0%	44%