

Severn Trent Assessment of Wastewater Treatment Works

Stratford-on-Avon District Council Area

Potential impact of proposed developments on sewage treatment works

Date of assessment:

04 February 2022

Note: These are desktop assessments using readily available information and have not been subjected to detailed hydraulic analysis

General comment regarding treatment capacity: Whilst sewage treatment works may not have sufficient spare capacity to accept the levels of development being proposed in its catchment area this does not necessarily mean that development cannot take place. Under Section 94 of the Water Industry Act 1991 sewerage undertakers have an obligation to provide additional treatment capacity as and when required. Where necessary we will discuss any discharge consent implications with the Environment Agency. If there are specific issues which may prevent or delay the provision on additional capacity these have been highlighted below.

Estimated Spare Capacity (RAG)	Watercourse constraints
Needs Assessment - Is there a need for an increase in capacity at this WwTW to accommodate growth?	Constraints Assessment - If there is a need to provide additional capacity, are there constraints to the watercourse and future permit limits?
Non Mcerted - Scale of WwTW is below that requiring flow monitoring	Non-Numeric - Permit does not require measurement of specific contaminant levels
Not expected to be an issue	No land or other constraints preventing expansion
Marginal concern subject to size of development	Some constraints that could limit provision of additional capacity
Probable issue	Limited scope to provide additional capacity
Issue Currently being investigated	No scope to provide additional capacity

Floc-ID	Sewage Treatment Works Name	Current Population Equivalent	Current DWF Consent (m3/d)	Estimated spare hydraulic capacity in Population Equivalent based on 5 year Average	Estimated spare hydraulic capacity - dwellings	Estimated Population by 2026 based on ONS	Estimated Population by 2046 based on Extrapolated ONS	Estimated Spare Capacity (RAG)	Watercourse constraints	Any other comments	Date of Extract
10338-ST1	ADMINGTON (STW)	88	32	0	0	106	124	Non Mcerted	High		02/11/2021
10151-ST1	ALCESTER (STW)	8750	3150	6572	2857	10501	12352	Low	Low		02/11/2021
10380-ST1	ASHORNE (STW)	146	30	0	0	175	206	Non Mcerted	Low		02/11/2021
10148-ST1	ASTWOOD BANK (STW)	2707	550	302	131	2848	2907	Low	High		02/11/2021
10381-ST1	BASCOTE (STW)	81	23	0	0	97	114	Non Mcerted	NON-NUMERIC		02/11/2021
10318-ST1	BEARLEY (STW)	672	172	169	73	807	949	Medium	Low		02/11/2021
10154-ST1	BIDFORD-ON-AVON (STW)	7994	1870	1696	737	9592	11272	Medium	Very High	Planned investment will provide additional capacity, although this will be limited by environmental capacity of the River Avon to accommodate additional Phosphorous load	02/11/2021
10319-ST1	BUTLERS MARSTON (STW)	582	190	319	139	699	822	Low	Very High		02/11/2021
10350-ST1	CHERINGTON (STW)	1321	365	440	191	1586	1865	Medium	Medium		02/11/2021
10349-ST1	CLAVERDON (STW)	837	250	213	92	1002	1178	Medium	Low		02/11/2021
10335-ST1	COMBROOK (STW)	158	38	0	0	189	223	Non Mcerted	High		02/11/2021
10320-ST1	DORSINGTON (STW)	62	12	0	0	74	87	Non Mcerted	Low		02/11/2021
10149-ST1	DUNNINGTON (STW)	91	35	0	0	109	128	Non Mcerted	NON-NUMERIC		02/11/2021
10967-ST1	EARLSWOOD - SPRINGBROOK (STW)	1751	440	308	134	2097	2465	High	High		02/11/2021
10321-ST1	ETTINGTON WORKS (STW)	986	460	2248	977	1183	1391	Low	High		02/11/2021
10425-ST1	FENNY COMPTON (STW)	797	205	874	380	956	1125	Low	Very High		02/11/2021
10384-ST1	GAYDON WRW (STW)	394	110	450	196	473	557	Low	High		02/11/2021
10340-ST1	ILMINGTON (STW)	711	210	689	300	853	1003	Low	High		02/11/2021
10434-ST1	ITCHEN BANK (STW)	14873	2881	1691	735	17848	20995	High	Very High	AMP7 promoted investment will increase capacity	02/11/2021
10430-ST1	KINETON (STW)	2314	750	2360	1026	2777	3267	Low	High		02/11/2021
10386-ST1	KNIGHTCOTE (STW)	179	36	0	0	215	253	Non Mcerted	NON-NUMERIC		02/11/2021
10388-ST1	LIGHTHORNE (STW)	353	120	160	70	423	498	Low	High		02/11/2021
10389-ST1	LIGHTHORNE HEATH (STW)	758	193	604	263	910	1070	Low	Very High		02/11/2021
10341-ST1	LONG COMPTON (STW)	759	165	50	22	911	1072	High	High	AMP8 planned investment to address issue	02/11/2021
10426-ST1	LOWER SHUCKBURGH (STW)	65	17	0	0	78	91	Non Mcerted	NON-NUMERIC		02/11/2021
14930-ST1	MINWORTH WORKS (STW)	1630936	450000	771870	335596	1608878	1737224	Low	High		02/11/2021
10390-ST1	MORETON MORRELL (STW)	457	148	369	160	548	645	Low	High		02/11/2021
10391-ST1	MORETON PADDOX (STW)	158	36	0	0	189	223	Non Mcerted	Low		02/11/2021
10393-ST1	NAPTON (STW)	937	197	93	40	1125	1323	High	High	Confirmation of growth projections and timelines is required to allow us to plan for investment	02/11/2021
10343-ST1	NETHERCOTE (STW)	560	200	506	220	647	756	Low	High		02/11/2021
10394-ST1	NORTHEND (STW)	372	120	451	196	446	525	Low	High		02/11/2021
10981-ST1	NORTON GREEN (STW)	10481	3180	5803	2523	10207	11237	Low	High		02/11/2021
10342-ST1	NORTON LINDSEY (STW)	554	130	186	81	582	666	Low	Very High		02/11/2021
10323-ST1	OXHILL WORKS (STW)	435	130	463	201	522	614	Low	Low		02/11/2021
10324-ST1	PRESTON ON STOUR (STW)	559	140	382	166	671	789	Low	Low		02/11/2021
10395-ST1	PRIORS HARDWICK (STW)	154	30	0	0	184	217	Non Mcerted	Low		02/11/2021
10325-ST1	RADWAY (STW)	260	36	0	0	312	367	Non Mcerted	High		02/11/2021
10168-ST1	REDDITCH - SPERNAL (STW)	76842	27500	42225	18359	81811	85312	Low	High		02/11/2021
10176-ST1	RIDGEWAY (STW)	957	200	256	111	1147	1335	Medium	High		02/11/2021
10332-ST1	SHIPSTON - FELL MILL (STW)	7154	1697	2649	1152	8585	10099	Medium	High		02/11/2021
10326-ST1	SNITTERFIELD (STW)	1049	343	912	397	1259	1481	Low	High		02/11/2021
10348-ST1	STRATFORD-MILCOTE (STW)	36982	13110	24660	10722	44377	52187	Low	Very High		02/11/2021

10344-ST1	STRETTON ON FOSSE (STW)	371	72	22	9	445	524	High	Medium	Investment on reduction of infiltration	02/11/2021
10328-ST1	TANWORTH IN ARDEN (STW)	305	99	382	166	366	431	Low	High		02/11/2021
10345-ST1	TYSOE (STW)	1006	181	71	31	1207	1420	High	Medium	AMP7 promoted investment will increase capacity	02/11/2021
10346-ST1	ULLENHALL (STW)	366	118	297	129	439	517	Low	Low		02/11/2021
10354-ST1	WARWICK - LONGBRIDGE (STW)	106963	36000	13240	5756	101526	113715	Low	Very High		02/11/2021
10355-ST1	WELLESBOURNE (STW)	6858	1559	812	353	8229	9681	High	Very High	AMP7 promoted investment will increase capacity	02/11/2021
10347-ST1	WHICHFORD (STW)	292	195	995	432	351	412	Low	High		02/11/2021
10378-ST1	WOOTTON WAWEN (STW)	3580	2200	4887	2125	4296	5054	Low	High		02/11/2021
10400-ST1	WORMLEIGHTON (STW)	89	35	0	0	107	126	Non Mcerted	High		02/11/2021