North Warwickshire Local Plan Examination

Potential impact of proposed developments on sewage treatment works Date April 2019

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.

Sewage Treatment Works Name	Total Expected	OS Grid Ref			Current /	Current	Estimated spare hydraulic capacity		Estimate headroom		Physical constraints regarding provision of				Current Consent Information							
	Catchment Growth (dwellings)	Eastings	Northings	Current PE	e observed dry weather flow (m3/d)	permitted dry weather flow (m3/d)	PE	Dwellings (@ 2.4hd/dwelling)	based on current quality performance (RAG)		additional treatment capacity (RAG)	Any other comments	Receiving Watercourse	River Catchment	Consent Reference	FF	DWF (m3/d)	Amm (Summer)	Amm (Winter)	BOD (mg/l)	SS (mg/l)	a
Atherstone	1859			18,414	3,247	3,950	4,394	1,831	Significant	Not expected to be an issue	No land or other constraints preventing expansion	AMP7 scheme to provide increase in max treatment hydraulc capacity, which will take into account the exepcted catchment growth										
Coleshill	2506			290,000	59,340	65,000	35,375	14,740	Significant	Not expected to be an issue	Limited potential to provide additional capacity	Future Capacity at Coleshill is linked with that of our Barston STW, which is receiving signifianct investment in AMP6, then will take a portion of the catchment currently served by Coleshill STW. This is expected to provide growth capacity at Coleshill for the expected growth.										
Grendon	610			5,756	948	1,490	3,388	1,411	No data	Not expected to be an issue	No land or other constraints preventing expansion											
Hurley	28			3,303	516	681	3,388 1,031	430	No data	Not expected to be an issue	No land or other constraints preventing expansion											
Nuneaton	8357			97,784	22,561	22,600	244	102	No data	Not expected to be an issue	No land or other constraints preventing expansion	Major AMP7 scheme to provide increased capacity including that to accommodate closure of Hinckley STW and transfer of flows. AMP7 scheme will take into account the expected catchment growth										
Polesworth	2100			9,629	1,669	2,600	5,819		Significant	Not expected to be an issue	Limited potential to provide additional capacity											
Tamworth	3390			93,436	18,277	23,840	34,769	14,487	Limited	Not expected to be an issue	No land or other constraints preventing expansion											
Warton	168			1,341	161	177	100	42	Significant	Probable issue	Limited potential to provide additional capacity											