

Nutrient Management Board Update

21st December 2022

Modelling and Capital works

The 2021 Nutrient management plan contains a table outlining where DCWW committed in the 2019 Business Plan (PR19) to take measures to reduce phosphorus entering the SAC from wastewater treatment works. These decisions were made based on the best available data and modelling at the time. We now need to account for the new in river standards and better understand our contribution to the SAC failure, this will ensure the investment is fit for purpose and identify where further schemes may be necessary from 2025 onwards.

Dŵr Cymru Welsh Water (DCWW) are currently building our next investment plan which will run from 2025-2030 (known as Asset Management Period 8/AMP8). We will use updated modelling to establish where we may need further schemes and what phosphorus limits would need to apply to address our 'fair share' of the exceedance in the river.

DCWW have been jointly running the SAGIS (Source Apportionment Geographical Information System) model with NRW for the Upper Wye, and the EA have built and run the Lower Wye model.

The 2022 modelling work is now complete and Dŵr Cymru must now work out where we can align the new needs to our current planned investment. We must also ensure that solutions put in place in the last 2 years and in progress, are compatible with any future further requirement, i.e., future proof the current capital schemes.

We must also identify any additional schemes that may be necessary in the period 2025-2030.

It is our understanding that the EA plan to publish their modelling results in December 2022 or early 2023. DCWW have committed to discussing these results with our stakeholders in more detail in March 2023. The modelling results will be used to inform our business plan which will be submitted to OFWAT in October 2023 and include details of any works required between 2025-2030.

The table included in the 2021 NMP is copied below. The schemes listed were funded for completion during Asset Management Period 7 (AMP7) which runs from 2020 to 2025. Within the AMP 7 National environment programme further schemes were identified for potential investment in 2027, these were based on previous model outcomes and river targets. DCWW will work with NRW in coming months to process the required change control for these draft obligations based on the outcome of the more up to date modelling assessment. It is important to note that the new modelling and the subsequently chosen schemes will supersede the requirements outlined in these tables. Almost certainly some of the proposed limits in this table will need to be tightened further and it is our ambition to deliver this as part of the existing investment wherever possible and to avoid a second capital scheme in the next investment cycle. This may not be possible everywhere however, as some schemes have already been completed.

Works		Current limit	Future limit	Delivery date	Update Dec 2022
Eign WwTW	EA	1	0.4	2025	Scheme in advanced design phase
Kingstone and Madely WwTW	EA	N/A	2	2025	Scheme in advanced design phase
Leominster WwTW	EA	1	0.5	2025	Scheme in advanced design phase
Pontrilas WwTW	EA	N/A	1.8	2025	Scheme in advanced design phase
Rotherwas WwTW	EA	1	0.4	2025	Scheme in advanced design phase
Weobley WwTW	EA	N/A	1.5	2025	Capital work complete and site is meeting proposed permit
Builth Wells WwTW	NRW	N/A	2.5	2025	Delivered early temporary dosing, overall scheme in detailed planning
Llandrindod Wells WwTW	NRW	1.25	0.3	2025	Scheme in advanced design phase
Prestiegne WwTW	NRW	N/A	1	2025	Capital works complete- Meeting new permit limit
Rhayader WwTW	NRW	N/A	0.7	2025	Scheme in advanced design phase
NEW Monmouth WwTWs	NRW			2024	*NEW* Scheme brought forward from AMP8 for early delivery

Monmouth Wastewater Treatment Works has also been added to this table as an additional scheme that has been identified and brought forward for early delivery through additional funding secured outside of the AMP7 business plan.

In addition to the above, DCWW is continuing to facilitate Herefordshire Council's Nutrient offsetting wetlands.