

River Weaver Demonstration Catchment

Trialling innovative, low cost technologies and implementing learning across catchments with small wastewater treatment works and tight phosphorus targets

The WFD requires 'Good Ecological Status' by 2025 in many of the rivers that United Utilities discharge into. This translates into tighter phosphorus permits for small wastewater treatment works in AMP7.

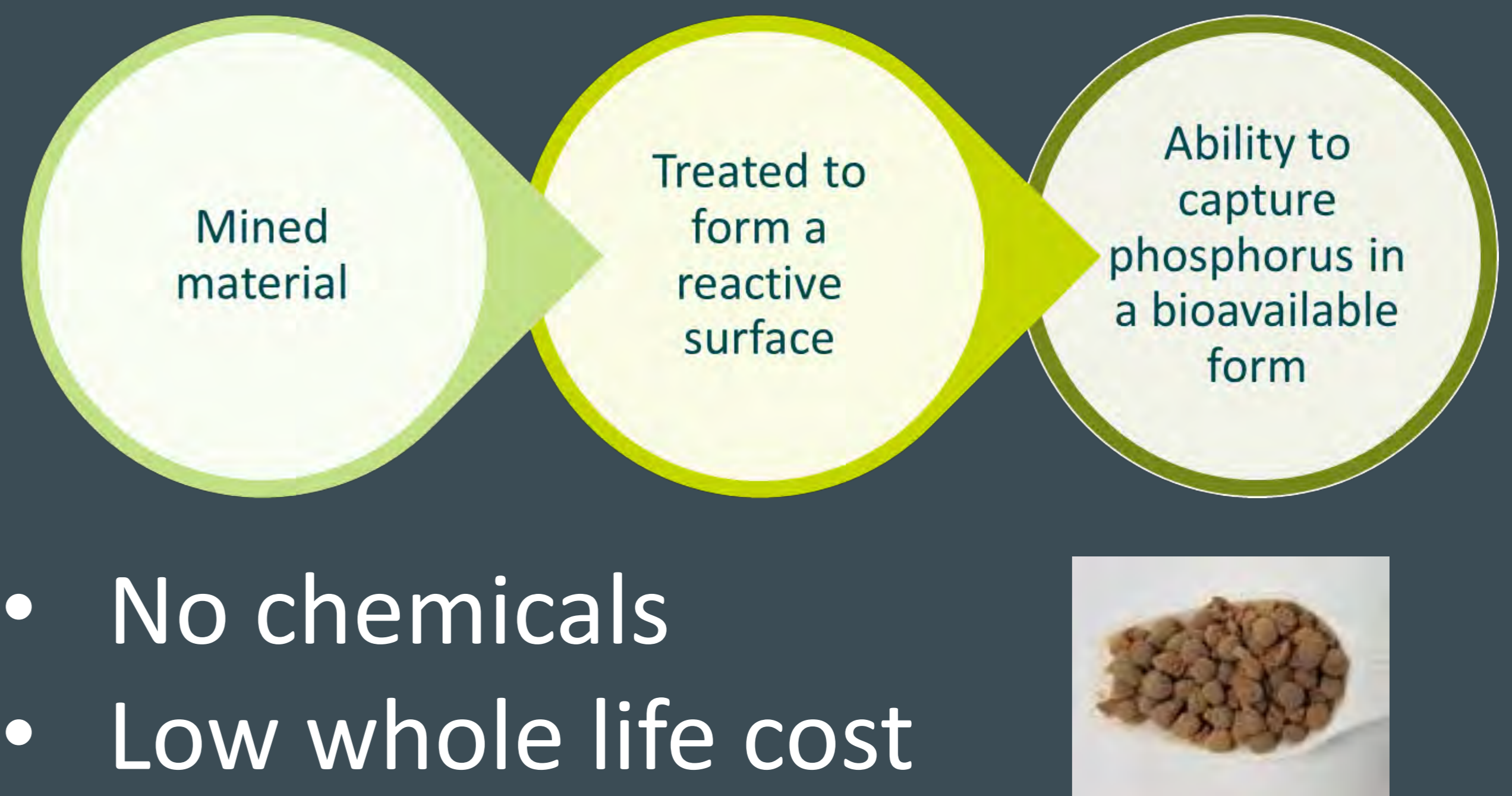
Downscaling of traditional solutions, such as ferric dosing, for such treatment works will not meet the challenge in a sustainable way and is not cost beneficial.



Our Catchment Research Hub has been launched in the River Weaver catchment to explore how green technologies and working with natural processes can deliver sustainable wastewater treatment at lower costs for customers. We're testing the boundaries of reactive media and reed beds and exploring how we can maximise amenity value of assets to deliver more for less.



Reactive Media



We're also investigating how investment in non-asset solutions in the catchment can enable us to deliver our fair share of water quality improvements. We're using a systems thinking approach to enable cohesion and ensure that activities across the catchment are integrated.



Over the next 3 years we will be testing the effectiveness of these solutions for phosphorus, ammonia, BOD, priority substances and other emerging chemicals.

