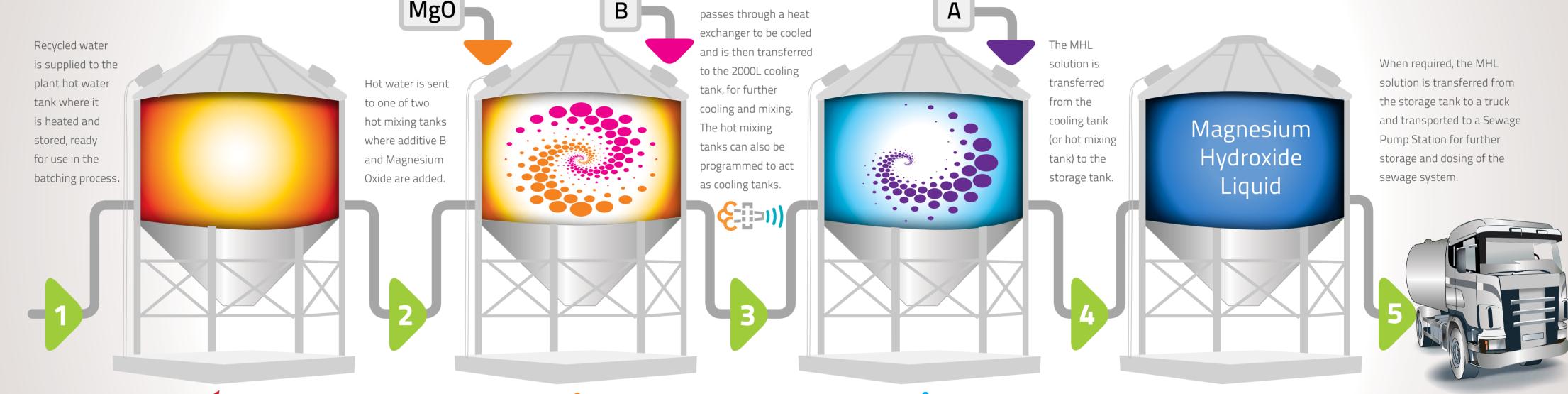
Batching plant process

Magnesium Hydroxide Liquid (MHL)

MHL, also known as 'Milk of Magnesia', is a critical product added to raw sewage by Unitywater to reduce odour and protect underground assets against corrosion.

After two years of careful development with local experts, Wise Waste Solutions, Unitywater now has the ability to cheaply manufacture MHL directly on site using recycled water. This innovative and efficient approach is creating significant savings for Unitywater in chemical costs.



The emulsified solution



HOT WATER TANK

Stores and heats up to 4000L of recycled water ready for use in the batching process.



HOT MIXING TANKS

The 2000L hot mixing tanks mix and emulsify the additive B and Magnesium Oxide agents together with the heated water.



COOLING TANK

Once the temperature of the solution has reduced to 30°, additive A is added into the tank and mixed to create the MHL solution.



STORAGE TANK

The 20,000 litre storage tank receives the final MHL product.

Two mixer devices (agitators) fitted inside the storage tank rotate to maintain the MHL composition while it's in storage.

