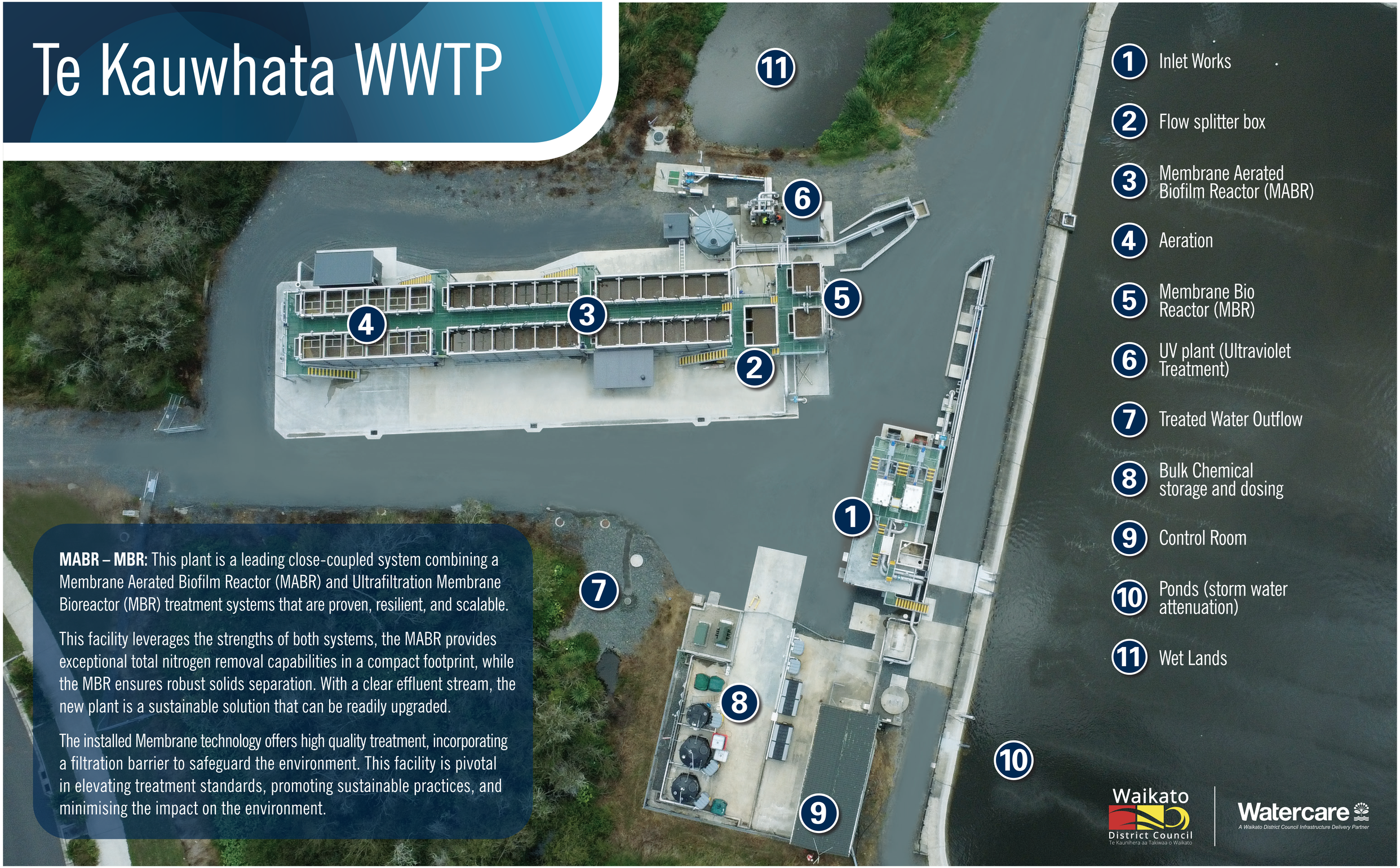
Te Kauwhata WWTP



1. Inlet Works
2. Flow splitter box
3. Membrane Aerated Biofilm Reactor (MABR)
4. Aeration
5. Membrane Bio Reactor (MBR)
6. UV plant (Ultraviolet Treatment)
7. Treated Water Outflow
8. Bulk Chemical storage and dosing
9. Control Room
10. Ponds (storm water attenuation)
11. Wet Lands

MABR – MBR: This plant is a leading close-coupled system combining a Membrane Aerated Biofilm Reactor (MABR) and Ultrafiltration Membrane Bioreactor (MBR) treatment systems that are proven, resilient, and scalable.

This facility leverages the strengths of both systems, the MABR provides exceptional total nitrogen removal capabilities in a compact footprint, while the MBR ensures robust solids separation. With a clear effluent stream, the new plant is a sustainable solution that can be readily upgraded.

The installed Membrane technology offers high quality treatment, incorporating a filtration barrier to safeguard the environment. This facility is pivotal in elevating treatment standards, promoting sustainable practices, and minimising the impact on the environment.

Waikato District Council
Te Kaunihera aa Takiwaa o Waikato

Watercare
A Waikato District Council Infrastructure Delivery Partner