

Biosolids are the nutrient-rich organic residual materials created during the treatment of domestic sewage at a wastewater treatment facility. The solids generated by the sewage treatment process need to be dewatered in order to reduce the volume and save on disposal costs.

Management of biosolids reduces pathogens, minimises odours and transport quantities, creating a safe, valuable product for use as soil.

Sludge dewatering of the waste sludge can often prove to be one of the most economical investments the water industry can make. Payback periods generally do not exceed beyond 12 months and in many cases can be considerably less.

Sludge is wasted and can be further treated via mechanical dewatering units such as belt filter presses and centrifuges. Heavy duty belt presses have been used successfully in almost all fields of industrial dewatering for more than three decades.

For municipal and industrial treatment plants, mechanical sludge dewatering with belt filter presses has proved to be an economical means of reducing sludge volumes produced from wastewater treatment plants.

Aquatec Maxcon works closely with our customers to design a complete sludge treatment system using different dewatering methods including belt presses, centrifuges and screw presses etc. We can provide sludge conditioning systems, dewatering equipment, sludge conveyor and storage silos.

Major Aquatec Maxcon plants that include Sludge Dewatering Belt Presses are:

- Mossman
- Cairns
- BWEA – Wynnum, Sandgate and Oxley
- Leongatha
- Tully
- Horseshoe Bay