

WTS Sludge Dewatering Products

WTS are the sludge dewatering specialists

Water Treatment Services (WTS) have a long history in treating waste water treatment plants sludge dewatering systems, specialising in processes such as:

- Sludge lagoons
- Gravity drainage decks
- Belt filter presses
- Centrifuges

Cationic Flocculants

WTS provide a range of powder and liquid emulsion cationic flocculant products, with a wide range of chemical properties. With assistance from our Water Treatment Specialist, a WTS flocculant will be found to suit every WWTP application.

Powder Range

WTS powder cationic flocculants come in a range of molecular weights and cationic charges, with linear or branched molecular structures available. Our cationic powder products have been implemented at many WWTPs with various improvements found to gravity drainage deck, belt filter press and centrifuge operations.

Our high charge and high molecular weight products WTS 8-C8018Z and WTS 8-C8718Z have shown excellent dewatering properties, with the following benefits:

- Fast and stable floc formation, allowing for incredibly fast liquid drainage.
- Increased floc size and stability, able to withstand high shear conditions.
- Improved total liquid/solid separation giving drier solids.
- Increased WAS feed rates to dewatering equipment.
- Cost savings due to reduced dewatering equipment run times and reduced haulage costs.



WTS 8-CE8409BF: Gravity Drainage Deck Dry Solids

Emulsion Range

WTS emulsion cationic flocculants also come in a range of molecular weights, cationic charges, as well as cross-linked and branched molecular structures. The WTS range of cationic emulsion products have been successfully implemented at many of our sites, with improved solid/liquid separation results in gravity drainage decks, belt filter press and centrifuge applications.

In particular our WTS products:

WTS 8-CE84909BF and WTS 8-CE8609BF products have proven particularly beneficial as dewatering products with the following benefits observed:

- Improved liquid/solids separation (drier biosolids).
- Increased WAS feed flow rates to dewatering equipment.
- Fast and stable floc formation.
- Cost savings due to reduced dewatering run