



syntekenvironmental
industrial wastewater treatment and reuse

Trade Waste Regulatory Process and Drivers

John Newton

GM Commercial

Syntek Environmental

Contents

- Overview of Trade Waste Regulatory System
- Why Treat Trade Waste – Boundary Conditions
- Agreement Contents
- Setting Limits
- Charges
- Treatment Choice

Regulatory framework

Water Act 1989

Water (Trade Waste)
Regulations 2014

Trade Waste
Customer Code

Statement of
Obligations

Trade Waste
Customer Charter

Trade Waste Policy
and Guidelines

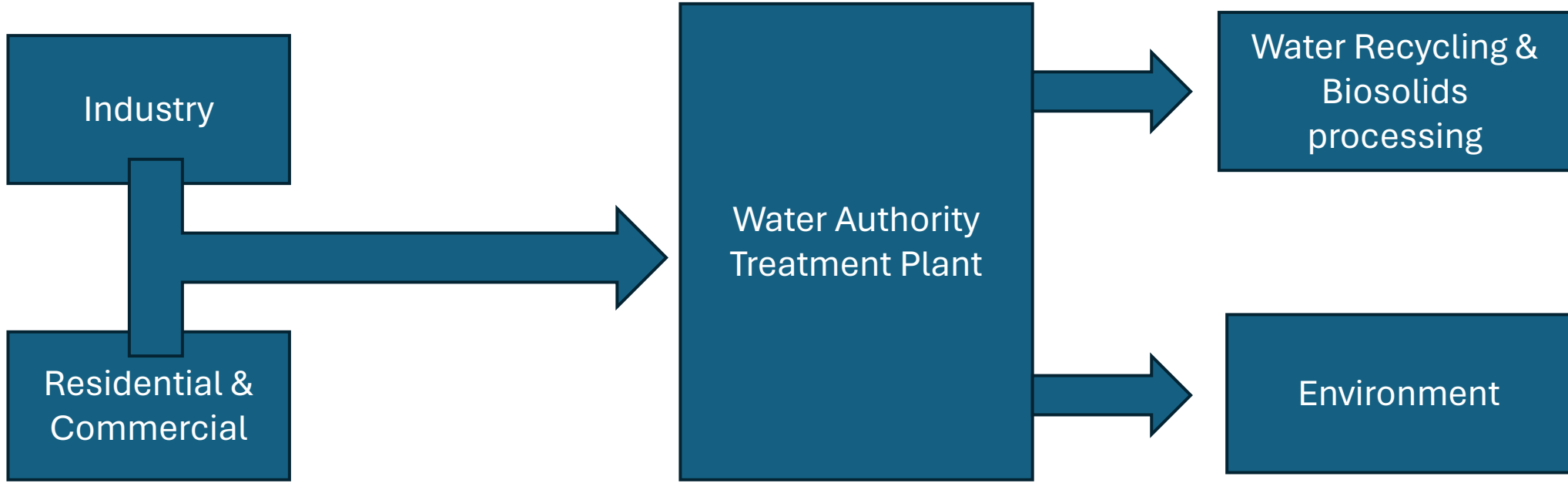
Bulk Sewage
Agreement

Trade Waste
Agreement



syntekenvironmental
industrial wastewater treatment and reuse

Why Treat Trade Waste



Regulating Water Authorities

- Output from Water Authority Treatment plants Regulated By EPA
 - Water Recycling & Reuse
 - Discharges to the Environment

Trade Waste Agreements

- ^ Volume rates
- ^ Incident notification
- ^ Treatment requirements
- ^ Maintain treatment
- ^ Sampling – Grab samples and periodic monitoring
- ^ Waste management requirements
- ^ Record keeping
- ^ Risk Assessment

Trade Waste Treatment Limits

- ^ Temperature
- ^ pH
- ^ Solids
- ^ Oils, fats, grease
- ^ Total dissolved solids
- ^ Organic liquids
- ^ Latex emulsions
- ^ Radioactivity
- ^ Colour
- ^ Nitrogen and phosphorus
- ^ Sulphur species
- ^ Metals
- ^ Halogens
- ^ Cyanide
- ^ Organic acids
- ^ Phenolics, aldehydes, ketones
- ^ Aromatic hydrocarbons
- ^ Esters, ethers
- ^ Prohibited substances
- ^ Other substances.....

Trade Waste Charges

Yarra Vally Water

- Volume (per kL) \$1.0708
- BOD (per kg) \$1.0584
- SS (per kg) \$0.5934
- TKN (per kg) \$2.3255

SE Water

- Volume (per kL) \$1.0146
- BOD (per kg) \$0.8767
- SS (per kg) \$0.5159
- TKN (per kg) \$1.4668
- iTDS (per kg) \$0.0363

Greater Western Water

- Volume (per kL) \$1.3837 - \$1.966
- BOD (per kg) \$0.3995
- SS (per kg) \$0.2544
- Total N (per kg) \$0.7653
- Total P) \$0.5949
- Tot ox sulphur \$1.1056
- Sodium \$0.1690
- Arsenic \$0.2543
- Heavy Metals \$0.2543

All have additional charges depending on Risk Category

Treatment Choice

- Determined by waste type
- Balance between treatment cost and discharge cost

QUESTIONS

John Newton
GM Commercial
Syntek Environmental

E: john.newton@syntekenvironmental.com.au

M: 0414969843