




Taswater

TasWater - Trade Waste

What is Trade Waste?

...liquid waste generated other than in the course of domestic activities and includes liquid waste generated by any trade, industrial, commercial, educational, medical, dental, veterinary, agricultural, horticultural, scientific research or experimental activities.

(Water and Sewerage industry Act 2008)

In simple terms: Waste that typically presents a higher risk to safely transport and treat than domestic sewage.

Why do we manage Trade Waste?

Safety of People

- Protect employees and public from exposure to contaminants

Community & Environment

- Manage the impact

Protection of Treatment Processes

- Protect biological treatment processes

Regulatory and Licence Compliance

- Enable compliance with regulatory requirements

Protection of Assets

- Prevent/minimise corrosion, blockages and explosion

Cost Recovery

- User Pays



DANGER
**HYDROGEN
SULFIDE GAS**



Some examples of commercial trade waste

Automotive - workshops, vehicle washing facilities, equipment hire, heavy machinery and plant maintenance



Food preparation - cafes, restaurants, take-away stores, butchers and bakers.



Laundrying facilities – dry cleaners, commercial laundrettes



Care / Medical - medical centres, dentists, hairdressers, beauticians



Multiple Tenancy - shopping centres.

TasWater Compliance Program

Commenced March 2016

Aim of program

- Increase customer awareness of the impact of trade waste and improve compliance levels through a state-wide, consistent approach .

Community Expectations

“Clean green Tasmania”

Environmental sustainability

Regulator Expectations

Water & sewerage reform

Targeting improved sewerage system compliance

Provisions that afford customers time to comply

Pre-Treatment Guideline

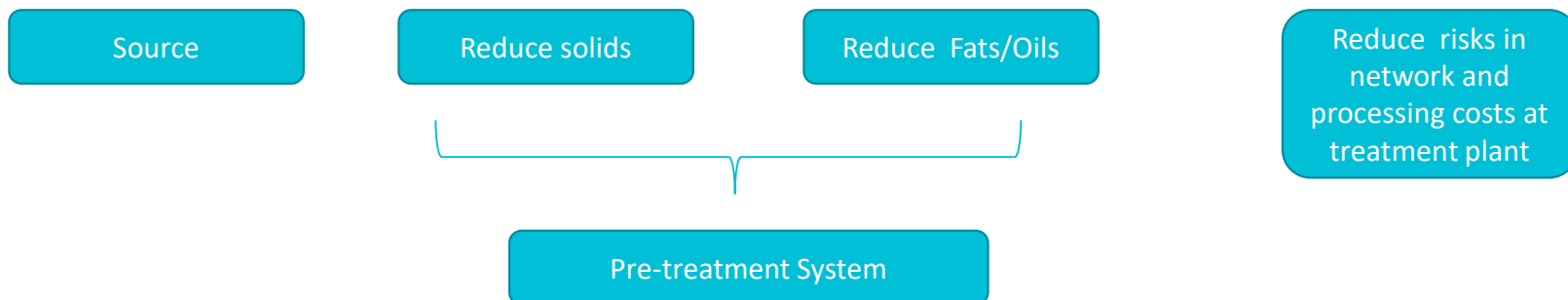
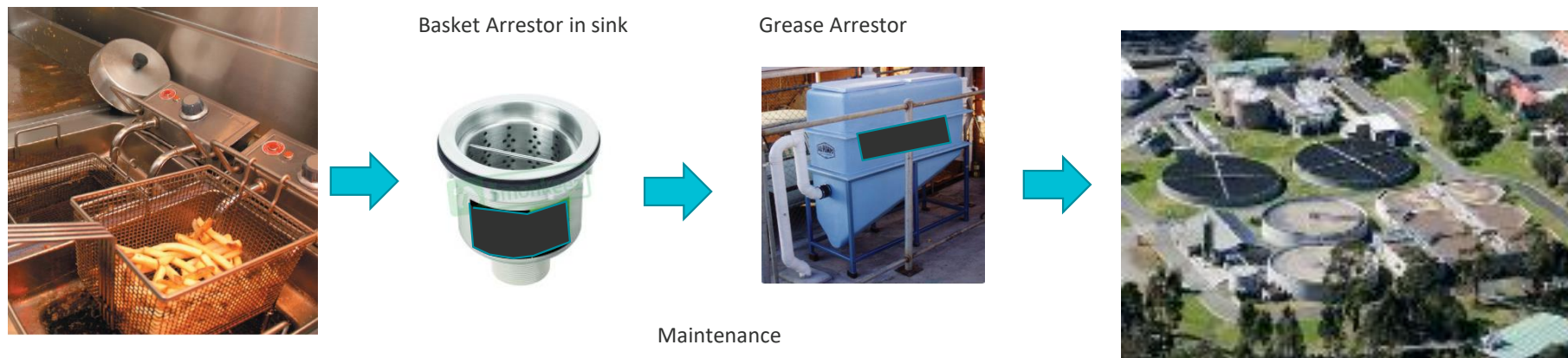
Minimum Pre-treatment Requirements

Developed in consultation with Department of Justice (Building Standards and National Construction Code)

Deemed to Satisfy or Performance Solution Options for compliance

Pre-treatment - Devices / Systems

Example Food Preparation



Pre-treatment - Devices / Systems

Example Automotive

Sump + Oil Water Separator



Source

Reduce solids

Petroleum Hydro-Carbons

Reduce risks in network and processing costs at treatment plant

Pre-treatment System

TasWater 56V upgrade Notice

- The notice provides an 18 month period to complete any work required. Some works are minor, others may require a plumbing permit from Council.
- Some typical steps to follow:

Step 1 – Discuss with TasWater, Engage Plumber or Hydraulic Designer

Step 2 - Submit plans to TasWater for Certificate of Certifiable Works (CCW)

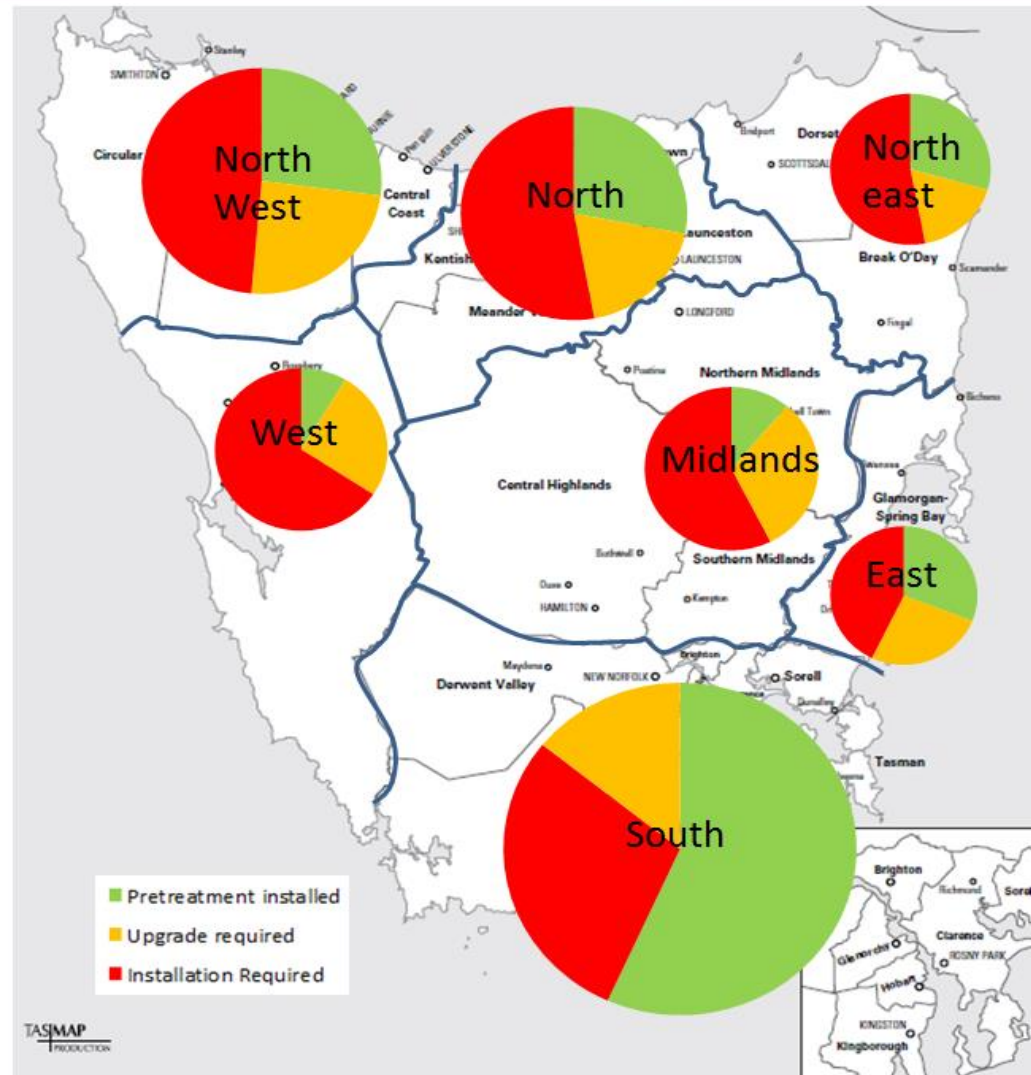
Step 3 - Submit plans to council for approval (Permit Authority)

Step 4 - Install pre-treatment

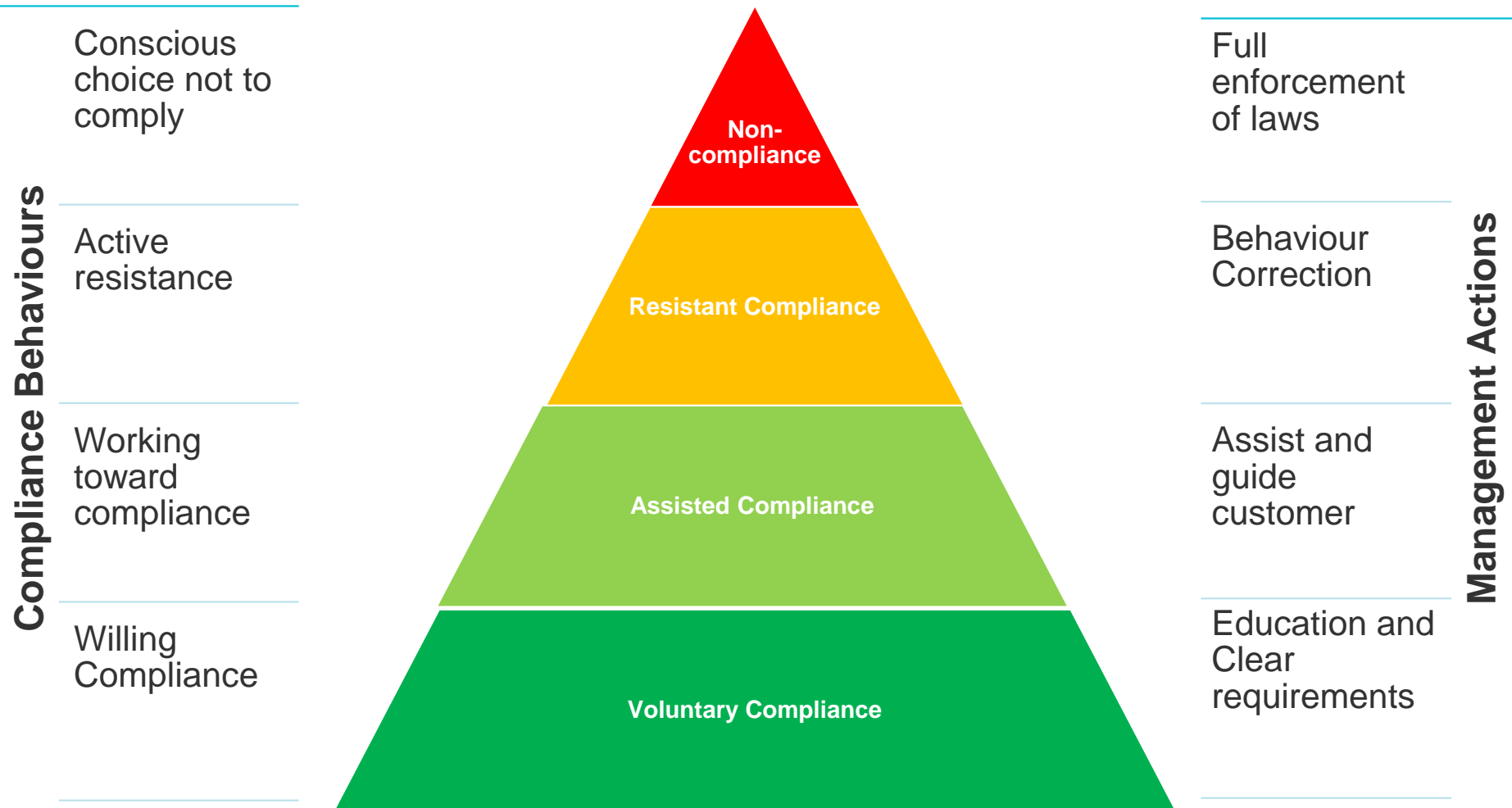
Step 5 - Notify Council and TasWater Development by requesting Certificate of Compliance

Compliance level Snapshot – State-wide

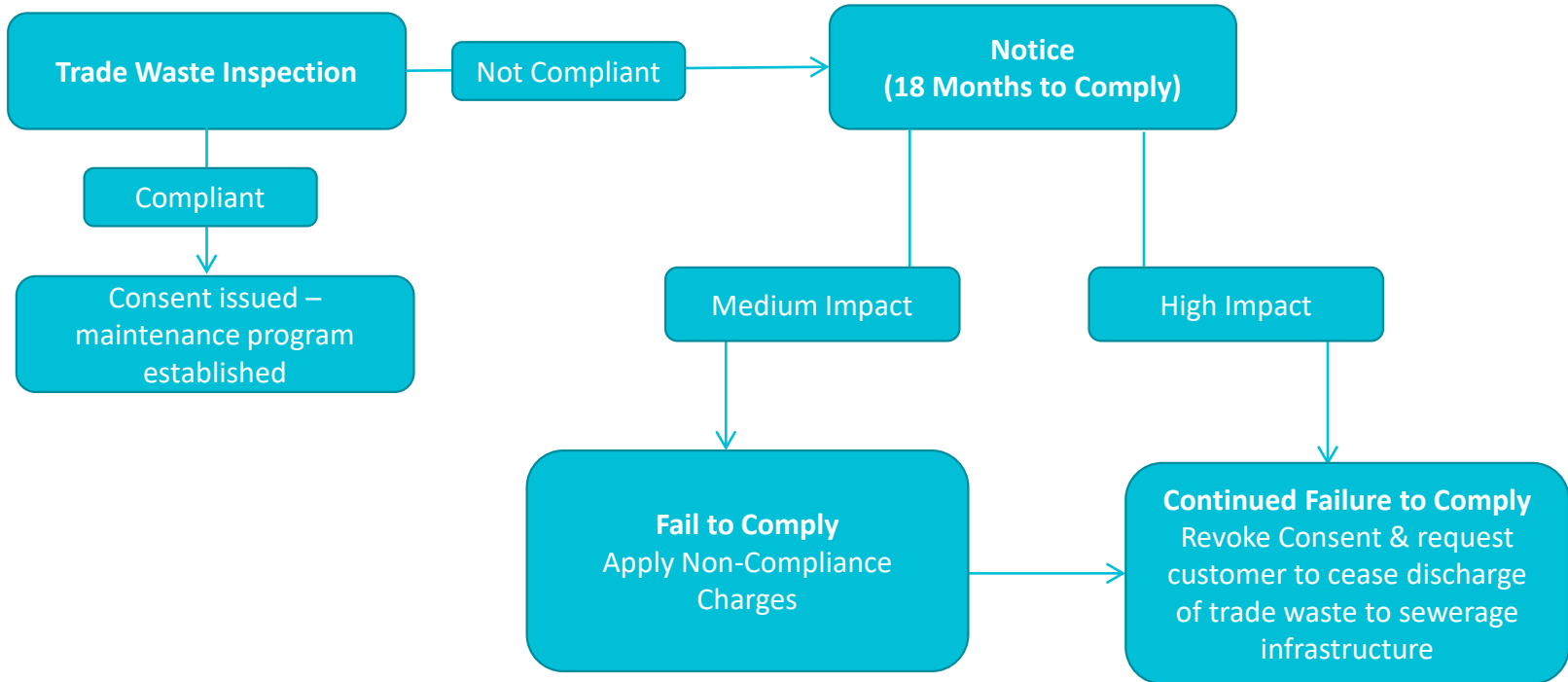
- Approx. 3600 Trade Waste Customers
- 60.4% currently compliant
Up from 47%
- 90% of customers inspected state-wide



TasWater compliance approach

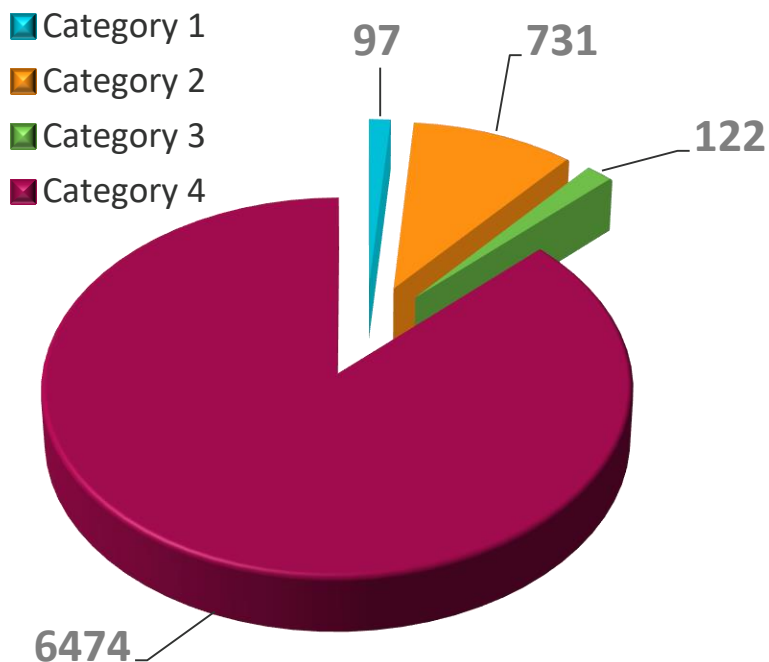


Compliance process

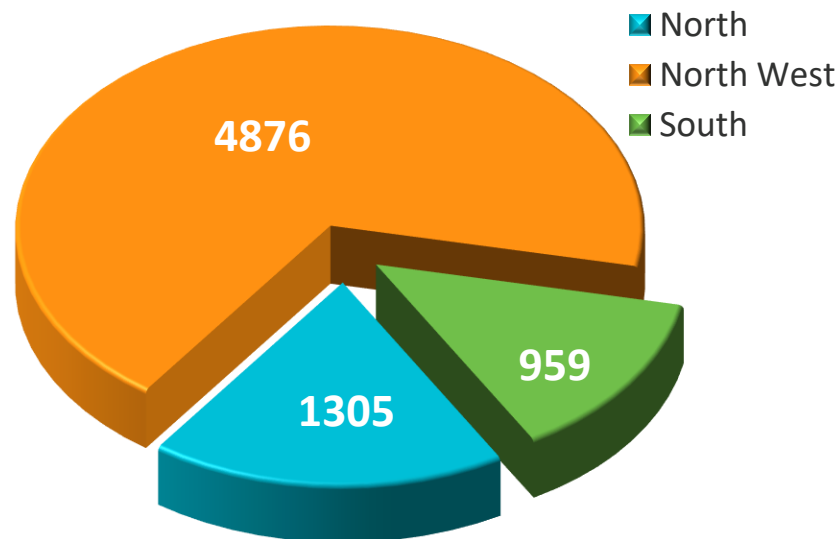


TasWater's Trade Waste Profile

Trade Waste Volume By Category (ML)



Trade Waste Volume By Region (ML)



Customer Support Program

Repayment Scheme

- Available to owners of property that house a TasWater Category 2 trade waste customer
- Applications can be submitted from 1 July 2018 to 30 June 2019
- Minimum value is \$5,000
- Repayment period is four (4) years
- Offered with no interest and available for up to 80 per cent of the total cost of works and equipment required to meet trade waste compliance.
- Customers contribute 20 per cent before they can access the full repayment amount
- We need a detailed quotation for the approved installation as part of the application

Customer Support Program

Preferred Suppliers

- We have negotiated discounts with a selection of suppliers for the purchase of major equipment that may be needed to reach trade waste compliance.
- Items may include grease traps or oil and water separators. You can access these discounts by contacting the suppliers below.

Customer Support Program

Preferred Contractors/Providers

- We have also established a list of qualified contractors from across the state that can install compliant trade waste systems.
- These contractors can also offer advice and quotes to help a business reach compliance based on individual system requirements.

Tankered Waste

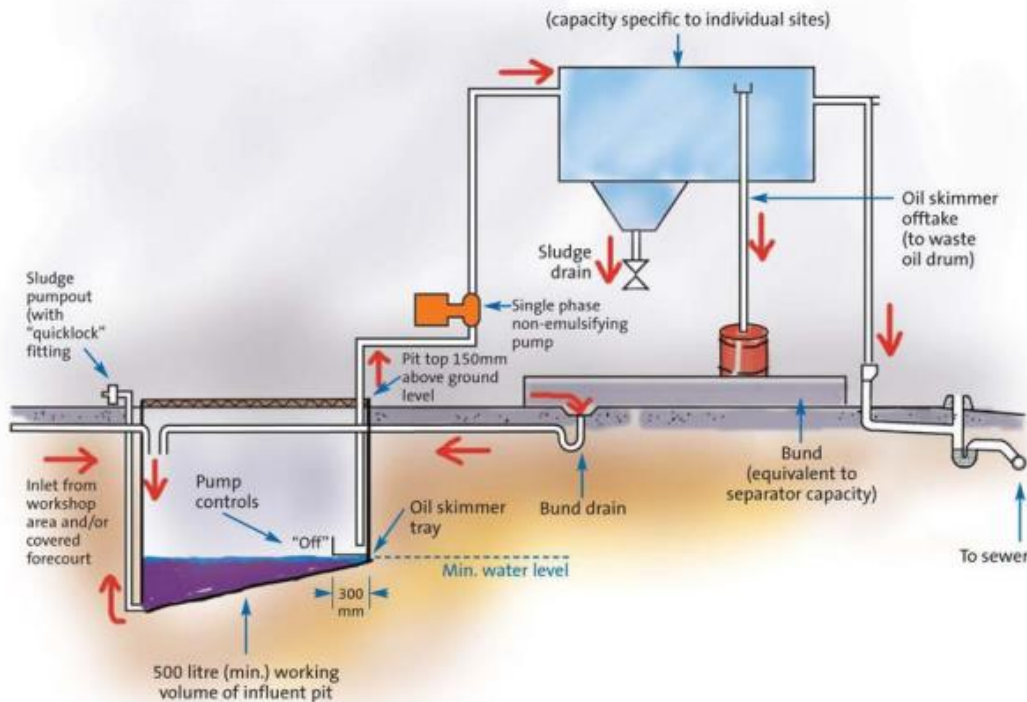
- 32ML of Tankered Waste disposed of to TasWater Treatment Plants Annually
- High strength - difficult to treat

Tankered Waste Strategy

- Bring DPIPWE, EPA & industry stakeholders with us
- Cost Recovery
- Waste segregation, tracking & third party disposal



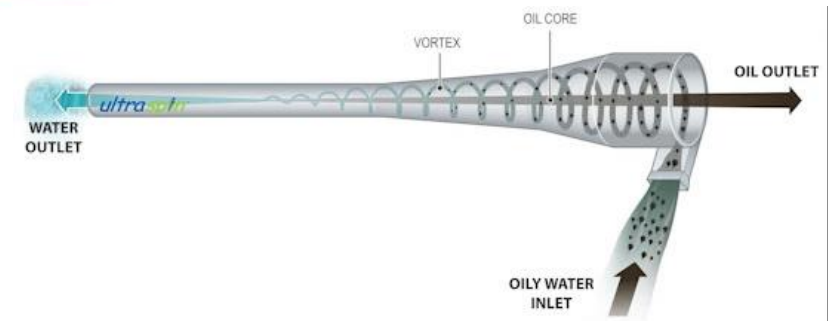
Examples of Pre-Treatment



Vertical Gravity separator (VGS)

Coalescing Plate Separator

Hydro cyclone



Examples of Pre-treatment



Separator Maintenance – 4 Years



- A VGS separator that had not been serviced in its 4 year life
- Sludge had built up and broken the internal media and inlet piping creating a costly maintenance procedure.
- This unit is in a car wash with moderate to high use.

Separator Maintenance - 12 month



- A VGS separator from a wash bay with moderate use at its yearly service.
- Sludge can build up over the 12 month period making the separator struggle to perform its job.

Pit & Screen



Oil Water Separator - Example



Oil Water Separator - Example



Oil Water Separator - Example



Forecourt - Example



Covered Wash bay - Example





Questions?



How to contact us...

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Water and Sewerage Industry Act 2008

Section 56V – Notice to owner of land to carry out work:

A Regulated Entity may, by service of notice, require the owner or occupier of land to carry out work that the Regulated Entity considers necessary for the provision of a service that is required to be provided for the land.