



Trade Waste Officers Report 2012

Officer Name: Vikki Kuyl

Council: South Taranaki District Council

Background:

The South Taranaki district covers an area of 361,834 hectares, with a population of 27,543. There are 8 wastewater treatment plants, through out the district, seven of those consisting of pond based treatments. There are 7,722 connections and 156km of mains sewer pipe. The main industries which are connected to the Council system is Fonterra and Renco in the Eltham district, and Silver Fern farms in the Hawera district – all three of these industries have separate tradewaste agreements with Council. There is also Yarrow bakeries in the Manaia district, that has no trade waste agreements. There is currently no Trade Waste Bylaw adopted by Council, though attempts have been made in the past for this to be passed. Council during the 2011 year decided not to adopt a pan tax.

Trade Waste (large wet Industries)

Good stuff

The Draft Trade Waste Bylaw went before Council who decided to adopt it, but not for another two years.

Challenging Issues

The Hawera wwtp has an anaerobic lagoon for the treatment of effluent from the meat works (Silver Fern farms); and its desludging has been a subject of debate between Council and SSF for a number of years. The latest sludge survey shows this to be 96% full. Discussions, via letters is currently taking place between Council lawyers and SSF's lawyers.

Solutions/Ideas

Beca Consultants are currently compiling a report to show the affects of the overloaded anaerobic lagoon on the rest of the treatment plant, to demonstrate to SSF the need for the lagoon to be desludged (if the Council lawyers win the argument of who is responsible for the cost). If Council has to pay for the cost of desludging, we intend to do so by the use of "sludge bugs". The use of bacteria/enzymes is currently being trialled in one of the aerobic ponds in the Hawera plant.

Grease Trap

Good stuff

none

Challenging Issues

A lot of premises do not realise they have a grease trap until it begins to smell.

Solutions/Ideas

If the smell is offensive the Health Act is enacted; but until the Trade Waste Bylaw is passed and a Trade Waste Officer is employed to educate owners and regulate grease traps and other pre-treatment facilities on industry premises, no improvement will occur.

Interceptors

Solutions/Ideas

See above in "Grease Traps"

Storm Water

Seven of the eight wastewater systems suffer significant ingress issues, and have conditions in their resource consents for ongoing work to be carried out. A 500m³ storage tank had been installed (2006) in the main pump station in Opunake to contain overflows to the beach area. 2006 also saw the upgrade of the main pump station in Patea to decrease overflows to the river mouth. Meanwhile in the other two most affected areas of Hawera and Eltham, a significant programme of CCTV and pipe replacement/lining has, and is, been carried out.

Good Stuff

Resource consents were obtained for an emergency discharge from the Hawera and Eltham wwtp's. These consents have not been exercised since granting in 2010. During 2011, the pipe lining carried was - 872m in Hawera, 266m in Opunake and 270m in Eltham. A further 4km of mains was CCTV'd in Hawera.

Challenging Issues

High flows during wet weather significantly affect the Hawera western trunk sewer. This results in having to stop effluent being discharged from the Eltham wwtp (as it is pumped to Hawera and joins the Hawera western trunk line); and also necessitates overland pumping from a manhole on the western trunk, diverting the excess flow into the Hawera eastern trunk.

Solutions/Ideas

A lot of I/I ingress into the Hawera western trunk is thought to come from the 2km line between Normanby and Hawera (passes thru ex-swamp land); this is being investigated for replacement. A permanent bypass line/pump is likely to be installed between the western and eastern trunks.

Other Issues:

[TEXT]

Issues that need discussing at conference:

[TEXT]

TEMPLATE