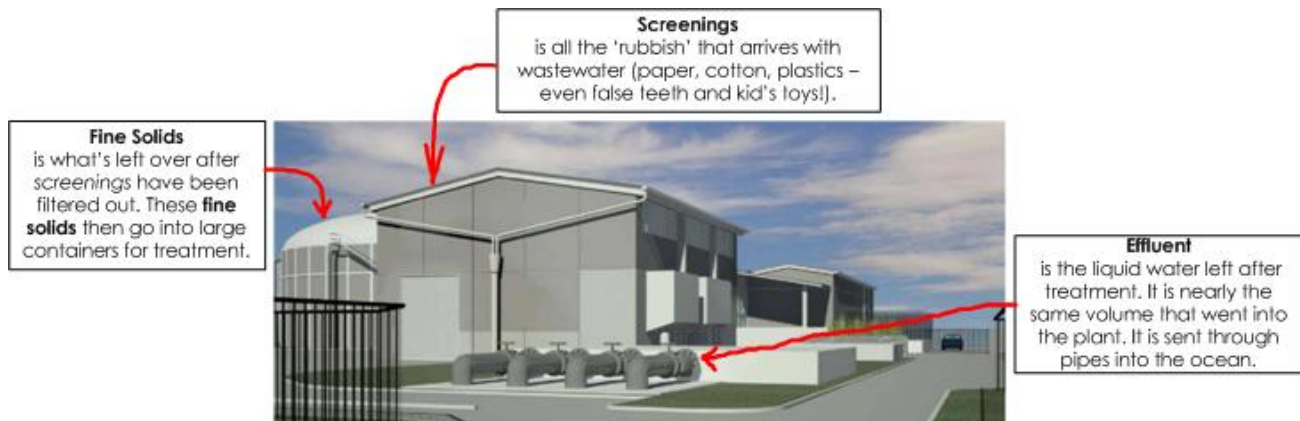


# WASTEWATER

## Activity 9

### What goes in and what comes out of a wastewater treatment plant?

- o Wastewater arriving at the plant is about 99.9% water.
- o The remaining 0.1% is made up of oil, grease and solids such as sand, plastic, paper and human faeces (poo).
- o Wastewater also contains chemicals – just think of all the detergent, soap, laundry powder, shampoo and other cleaners we pour down the pipes each day.
- o Wastewater is very contaminated water and treatment plants make this safe to return to the environment.



What happens to the screenings, fine solids and effluent from the Banks Street Wastewater Treatment Plant? Study this diagram then use the words **effluent**, **wastewater treatment plant**, **fine solids** and **screenings** to fill in the gaps in the story...

When you flush or wash waste down your drains, it is then piped away to the \_\_\_\_\_.

Wastewater is not only water! Unfortunately people flush all sorts of rubbish down the toilet. The wastewater treatment plant has to then remove these \_\_\_\_\_, grind them up, press the liquid out and send it to a landfill for burial.

The remaining \_\_\_\_\_ is very contaminated and needs to be treated to kill disease producing bacteria.

After 1 to 2 weeks of treatment, the \_\_\_\_\_ is released into the ocean.