

Overview of our wastewater network

Wastewater overflows

occur when wastewater spills out from gully traps, manholes, engineered overflow points or pump stations. There are three types:

Two: Engineered overflow points

One: Pump stations

Three: Points in the network, such as manholes

Stormwater is collected into a public stormwater network. This is managed by Auckland Council.

Households

Businesses

528 pump stations

These are buildings with machinery for pumping wastewater from one place to another.

170,227 manholes

These are holes in the ground, covered by a lid, that provide entry to the wastewater network.

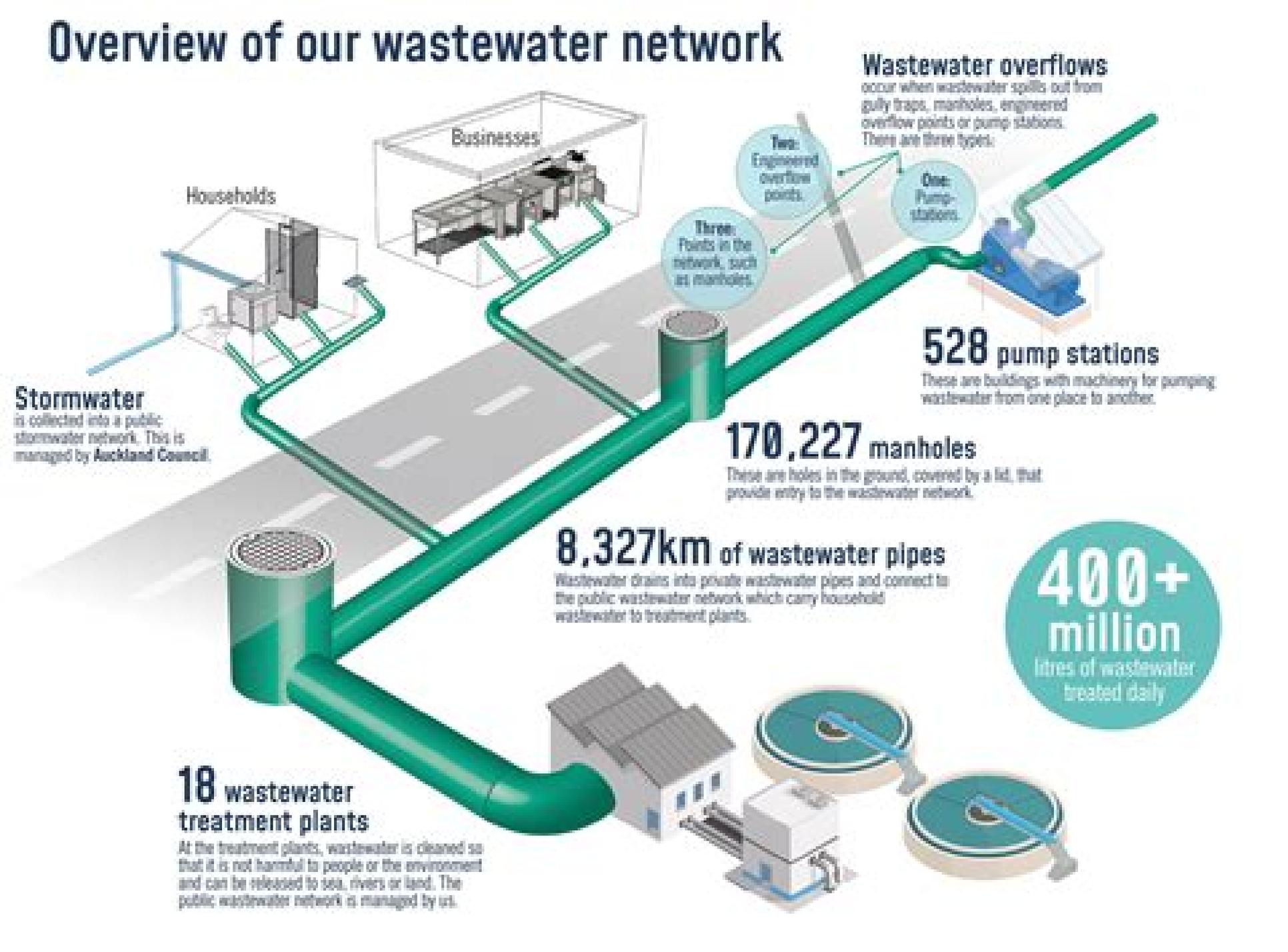
8,327km of wastewater pipes

Wastewater drains into private wastewater pipes and connect to the public wastewater network which carry household wastewater to treatment plants.

400+
million
litres of wastewater treated daily

18 wastewater treatment plants

At the treatment plants, wastewater is cleaned so that it is not harmful to people or the environment and can be released to sea, rivers or land. The public wastewater network is managed by us.



An Introduction To Wastewater Management

J. Paul Guyer, P.E., R.A.



An Introduction To Wastewater Management:

Introduction to Wastewater Treatment Processes Bruce Jefferson, Simon Parsons, Elise Cartmell, 2012-01-06 Effective collection treatment and disposal of waste water is essential to the adequate functioning of any society This title illustrates the link between waste water type and quality and treatment process selection and performance **An Introduction to**

Wastewater Treatment Tom Rae, Chartered Institution of Water and Environmental Management, 1998 **Introduction to Wastewater Treatment Processes** R Ramalho, 2012-12-02 Introduction to Wastewater Treatment Processes considers various types of wastewater problems and the selection of proper mode of treatment as well as the design of the equipment required This book is divided into eight chapters and begins with a summary of the theory involved in the specific process such as chemical kinetics and material and energy balances The next chapter deals with the physical and chemical principles of wastewater treatment processes These topics are followed by discussions of the important design parameters involved in the process and the determination of such parameters using laboratory scale or pilot plant equipment Other chapters explore the development of a systematic design procedure for the treatment plant The final chapters look into the mathematical modeling of biological treatment processes This book will prove useful to practicing engineers and students An

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