

South East Water Disinfection Contract

(reference site only, no longer operated by TRILITY)



Operating and maintaining chlorination facilities for the South East Water Corporation of Melbourne



TRILITY was contracted to operate and maintain South East Water's booster chlorination and residual monitoring chlorination facilities for three years.



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Melbourne's South East Water network must provide a reliable water supply to its residents all year round, with adequately dosed chlorine 24 hours a day critical to the safety of the potable water supply.

TRILITY worked closely with South East Water to operate and maintain the corporation's chlorination facilities – providing effective disinfection of the potable water supply.

TRILITY was responsible for optimising the effectiveness of both the booster chlorination and chlorine residual monitoring facilities whilst ensuring that each site was maintained safely for employees and the public.

Chlorine is the primary disinfectant used in Melbourne's water supply, added to destroy any harmful micro-organisms such as pathogenic bacteria, thereby maintaining public health.

To maintain the quality of the water supply, South East Water has 21 secondary disinfection plants to provide a more balanced level of chlorine and minimise fluctuations.



Who

South East Water is a statutory corporation, which provides water and sewerage services to over 1.6 million people in the south-east of Melbourne, Victoria. It manages over 23,000km of pipeline, 80 water pump stations, 255 sewage pump stations and \$3b of infrastructure and assets.

What

Twenty one booster chlorination facilities and a further ten chlorine residual monitoring facilities. Each of the disinfection sites is a self-contained sodium hypochlorite automated dosing facility.

Where

The facilities are scattered throughout the South East Water region of suburban Melbourne which extends from the inner south eastern suburbs to the entire Mornington Peninsula.

Why

The project is critical to South East Water customers to ensure that all households within the distribution system are supplied safely disinfected potable water day and night all year round.

Snapshot

Client	South East Water Limited
Type of Contract	Operations and Maintenance (O&M)
Facilities	TRILITY operates and maintains 31 facilities that are located throughout 23,000km of pipeline which supplies potable water to 1.6 million people
Technology	Automated sodium hypochlorite dosing facilities
Design Capacity	N/A
Term	3 + 3 years (now complete)
Capital Cost	N/A

For further information