

Veolia installs packaged potable water treatment plant in Stellenbosch

Commissioned in December 2018, Veolia Water Technologies South Africa has supplied a package plant for the treatment of water abstracted from two new boreholes at Cloetesville in Stellenbosch.



The packaged potable water treatment plant (PWTP 050) will treat 54m³ of water per hour, which is fed into the municipality's bulk water supply. Fabricated in 12 weeks at Veolia's Water Techno Packages facility in Sebenza, Johannesburg, the plug-and-play PWTP supplies the treatment of the borehole water to SANS 241 standards.

Water abstracted from the boreholes is pumped through an oxidation tank where manganese and iron are precipitated. It's then pumped through a set of pressure sand and multimedia filters for suspended particulates removal. The water is then fed through activated carbon filtration, UV sterilisation and final polishing before being pumped into the municipal network. Veolia's Hydrex chemical dosing is included in the various steps for process optimisation.

Veolia is currently responsible for an operations contract and is able to supply water treatment chemicals for the plant, independently of the municipal supply chain.

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