

Orchard Hill Water Filtration Plant

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Operator:
Sydney Water Corporation, NSW

Quantity:
900 m3 C & S Filter Coal

Filter Media:
C & S Coal ES=1.65-1.75 mm UC=1.3 max 1200 mm deep

Silica Sand ES=0.65-0.75 mm UC=1.5 max 150 mm deep

Support Layer:
Graded Silica Gravel 500 mm deep

Height Of Washout:
Troughs above media 1500 mm

This plant serves part of the western region of Sydney. The first stage, constructed in the late 1960's, uses the conventional treatment process with sedimentation. The second stage, commissioned in 1993, uses the direct filtration process in 10 coarse deep bed dual media filters, and has a capacity of 215 ML/day.