

Woronora Illawara Water Filtration Plants

Woronora Illawara Water Filtration Plants:

Operator:
Wyuna Water Pty Ltd

(As a Build-Own-Operate Contractor to the Sydney Water Corporation, NSW)

Quantity:
878 m³ C & S Filter Coal at Woronora

975 m³ C & S Filter Coal at Illawarra

Filter Media:
C & S Coal ES=1.9-2.1 mm UC=1.3 max 1850 mm deep

Silica Sand ES=0.654.75 mm UC=1.3 max 150 mm deep

Support Layer:
Graded Silica Gravel, 3 mm - 6 mm 100 mm deep

These two separate plants were constructed under a single Build-Own-Operate Contract. The Woronora plant uses contact filtration, and treats up to 160 ML/day for Sydney's southern suburbs. The Illawarra plant serves the City of Wollongong and surrounding areas, and uses direct filtration, with a capacity of 210 ML/day.