



WATER SUPPLY



POTABLE WATER

RAW WATER TREATMENT

STORM WATER TREATMENT



FILTRATION & DISINFECTION PLANTS



FILTRATION AND DISINFECTION

ABSTRACTION SCREENS

An abstraction screen (or fish screen) is designed to prevent fish from swimming or being drawn into an aqueduct, cooling water intake, dam or other diversion on a river, lake or waterway where water is taken for human use. They are built to supply debris-free water without harming aquatic life.

Abstraction screens are typically installed to the water inlet of industrial facilities such as steam electric power plants, hydroelectric generators, petroleum refineries, chemical plants, farm irrigation water and municipal drinking water treatment plants.

MEDIA FILTRATION

A media filter is a type of filter that uses a bed of sand, zeolite, carbon or other material to filter water for drinking, swimming pools, aquaculture, irrigation, stormwater treatment and other applications.

The filtration media EWS chooses for its plants is: unaffected by either acidic or alkaline material; long lasting; easily back-washed i.e. longer cycle times are possible; subject to lower pressure drop and is suitable for virtually every application in the water and wastewater treatment industry.

MICRO & ULTRA FILTRATION

Microfiltration is a filtration process which removes contaminants from a fluid (liquid & gas) by passage through a microporous membrane or variable pore microfilter. Ultrafiltration (UF) is essentially the same process through a semi-permeable membrane.

EWS can supply filtration systems to match any water filtration requirement.

DISINFECTION

Disinfection is the last step in a water purification process. Water is disinfected to kill any pathogens passing through the system, which may include viruses, bacteria, including *Escherichia coli*, *Campylobacter* and *Shigella*, and protozoa, including *Giardia lamblia* and other cryptosporidia. Drinking or recycled water is required to maintain a residual disinfecting agent throughout the distribution system, in which water may remain for days before reaching its point of use.

EWS offers chlorine (either tablet or liquid), ultraviolet (UV) and ozone disinfection systems.

EWS Offices

SA

Head Office
9 Light Crescent (PO Box 77)
Mount Barker
SA 5251

WA

Level 29, Forrest Centre
221 St Georges Terrace
Perth
WA 6000

Tel: +61(0)8 8398 4044
Fax: +61(0)8 8398 4066
Email: sales@goews.com.au
Web: www.goews.com.au