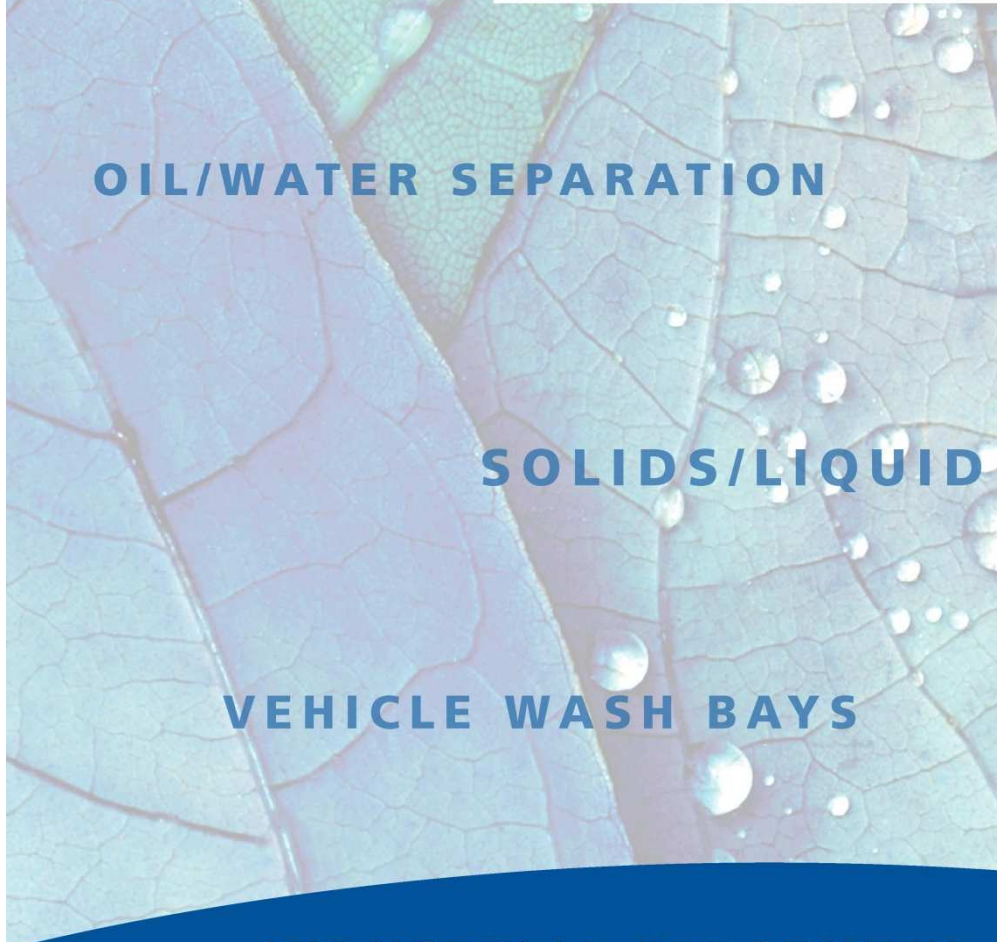


PETROCHEM



OIL/WATER SEPARATION

SOLIDS/LIQUID SEPARATION

VEHICLE WASH BAYS



INDUSTRIAL TREATMENT PLANTS



INDUSTRIAL TREATMENT

OIL/WATER SEPARATION

For light to medium industrial applications, the VGS (Vertical Gravity Separator) has proved to be effective in the removal of free oil, grease and suspended solids from wastewater. It also greatly reduces the frequency and difficulty of maintenance compared to conventional plate separators.

EWS has installed many of these units that: Continuously meets the performance standards; are able to handle high concentrations of oil; effectively remove suspended solids; reduces vapour content to acceptable levels and require less floor space than many competing brands.

Other types of oil/water separator are available for heavier industrial applications.

HYDROCARBON REMOVAL

EWS supplies hydrocarbon and PCB removal filters remove oily sheen, synthetic and natural oils, BTEX, PCB's solvents and organically bound metals instantly and in a single pass. The patented filters immobilise and permanently bonds hydrocarbon compounds without developing back pressure.

These filters provide excellent polishing of effluent from conventional oil/water separators.

DISSOLVED AIR FLOTATION

Dissolved Air Flotation, using microbubbles created by dissolving air into water under pressure, is a well-known method of particle separation. Suspended solids and colloids to attach to one another and to air bubbles and these larger particles then float to the surface and are scraped away. Coagulants and flocculants may be used to assist the process.

Applications are oil and fat separation, wastewater pre-treatment, industrial water solids removal, deinking process water, secondary sludge thickening and tertiary treatment.

AUTOMATED BATCH SYSTEM

EWS can offer a fully automated, low cost system combining waste water treatment and sludge dewatering in one simple to operate unit. Using only one specially blended powdered chemical to precipitate, coagulate and flocculate colloidal matter, solids and emulsified material; the key to this system is its simplicity.

A disposable filter paper is used to separate the flocs from the water producing a spadable sludge. The sludge and paper are normally discharged into a waste bin from where it can be disposed of to landfill.

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