

SAGD WASTE WATER TREATMENT FOR REUSE BY EPT EOX

World's First Chemical-Free Silica Removal for SAGD Produced Wastewater. The EOX successfully treats the produced water to reuse standards, reducing pressure on fresh water supplies. It replaces expensive chemical processes including WLS and HLS. Operational success of the SAGD includes 50 % reduction in Capex and Opex of \$0.40 - \$ 0.80/m3. The EOX also has a small footprint and is scaleable.

INDUSTRY

Modular SAGD Produced Water Treatment for Steam Reinjection

DESIGN FLOW

104 m3/hr

TECHNOLOGY

EOX DAF Media filter

PERFORMANCE (Removal Efficiency)

SILICA	80-94%	Influent 350-450 ppm Target 75 ppm
TSS	98%	
O&G	75-99%	Target 10 ppm
TOC	35-50%	
HARDNESS	50%	with Blowdown addition
H2S	100%	



SILICA

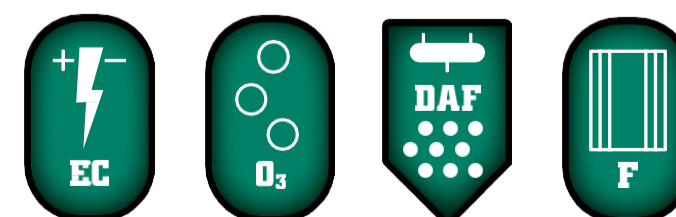
↓ 90%

TSS	TOC
↓ 98%	35-50%

REMOVAL EFFICIENCY



GROUND EFFECTS
ENVIRONMENTAL SERVICES INC.



Advanced Separation Solutions