

EOX Treatment of Flowback Wastewater for the Removal of Iron, BTEX, Hydrocarbons and TSS

Oil and gas producers use vast quantities of water for operations such as fracking and processing. As fresh water supplies dwindle, recycling recovered water becomes essential. To reuse this water, extensive treatment is required to remove contaminants, including metals, hydrocarbons, polymers, and total suspended solids (TSS). GEE's unique treatment suite integrates intelligent electrokinetic technology, advanced oxidation, and large-scale Dissolved Air Flotation (DAF) to efficiently address critical parameters and facilitate TSS removal. This mobile, efficient, and economical system minimizes the treatment interruptions commonly experienced with other methods, ensuring water availability for reuse.

INDUSTRY

Modular EOX DAF and Filtration Wastewater Treatment

DESIGN FLOW

29-200 m³/hr

TECHNOLOGY

EOX DAF Filtration

PERFORMANCE (Removal Efficiency)

Iron	99%
TSS	99%
F1 (C6-C10)-BTEX	99%
Extractable Hydrocarbons	99%
Total Bacteria	100%

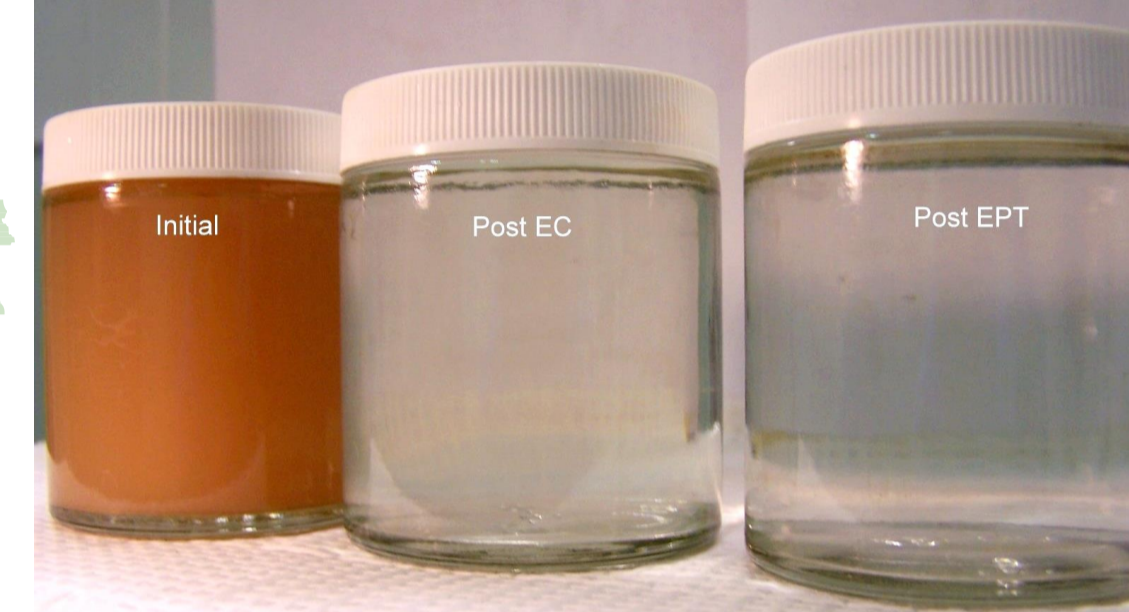
CANADA



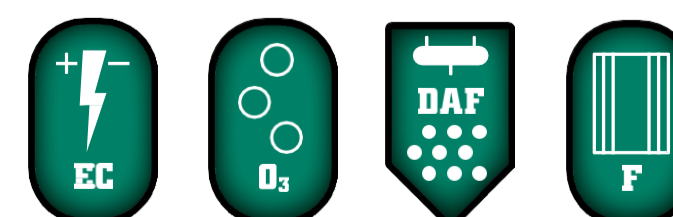
Iron

↓ 99%

REMOVAL EFFICIENCY



GROUND EFFECTS
ENVIRONMENTAL SERVICES INC.



Advanced Separation Solutions

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