

# Construction Dewatering: Innovative Solutions for Removing TSS, Iron and Arsenic in Water Treatment

New pipeline construction often necessitates extensive dewatering, resulting in large volumes of water requiring treatment before discharge into watersheds. GEE has successfully treated this water, ensuring compliance with stringent discharge standards for iron, arsenic, and total suspended solids, mitigating environmental risks. However, meeting increasingly stringent regulations presents challenges in treating such large volumes continuously. GEE's unique treatment suite, incorporating oxidation and large-scale Dissolved Air Flotation (DAF), efficiently addresses oxidized iron and arsenic while facilitating TSS removal. This reliable and cost-effective system minimizes treatment interruptions common in other methods. Operations consistently achieve over 99.9% removal of TSS, iron, and arsenic..

## INDUSTRY

Construction  
Dewater Water Treatment for Discharge to Watershed

## DESIGN FLOW

2500 m<sup>3</sup>/hr over 3 sites

## TECHNOLOGY

Oxidation DAF Filtration

## PERFORMANCE (Removal Efficiency)

TSS 99.9%

IRON 99.9%

Target 0.10PPM



CANADA



# TSS, IRON & ARSENIC

# ↓ 99.9%

REMOVAL EFFICIENCY



**GROUND EFFECTS**  
ENVIRONMENTAL SERVICES INC.



Advanced Separation Solutions

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