H2FLOW EQUIPMENT INC.

Vale NFLD

VALE Newfoundland & Labrador

Long Harbour WWTP Processing Facility

Case Study Details

DESIGN CRITERIA FLOW: 590 m^3/d ADF	INFLUENT	EFFLUENT
BOD_5 (mg/l): TSS (mg/l): TKN (mg/l): Ammonia-N (mg/l): Phosporus-P (mg/l): pH	400 400 40 25 8 6.5-8.5	<10 <15 <10 <3 N/A

This project was implemented to treat wastewater originating from the construction camps for the Vale Newfoundland & Labrador, Long Harbour Processing Facility.

The treatment process is composed of screening, flow equalization, extended aeration, blowers, clarification, dechlorination, chlorination, aerobic sludge digester and tertiary filtration. H2Flow Equipment supplied the complete equipment package housed in a building supplied by the client. The system has been operating effectively and satisfying the discharge limits to the receiving environment.

Project Manager: Fluor Canada
Engineering Consultant: AMEC
Start-Up: 2010