

Adsorption Clarifier Water Treatment Plant



Case Study Details

Camp Site	Design Occupancy	Water Use Rates	Total Water Use
	(# of persons)	(L/person-day)	(m ³ /day)
Milne Inlet	125	360	45

In support of its mining operations at the remote Milne Inlet project site on Baffin Island, NU, the Baffinland Iron Mines Corporation retained H2Flow to provide an Adsorption Clarifier water treatment package to take water from two separate lake water sources and produce potable water to sustain their onsite workers.

Given variable source water quality, and the need to consistently meet or exceed Canadian Drinking Water Quality Guidelines, the Adsorption Clarifier system was selected in order to achieve a balance between robustness of treatment, cost, and ease of operations.

The treatment package included raw and treated water storage tanks fabricated in 304 stainless steel and which respectively provided 36 and 24 hours of storage capacity, as well as start-up, commissioning, and operator training services (interconnecting piping and provision of the building to house the equipment was by others).

Engineering Consultant: Hatch

Client: Baffinland Iron Mines Corporation