FILTRA-SYSTEMS PROJECT CASE STUDY

River Water Protection Filter

INDUSTRIAL FILTRATION | RIVER WATER PROTECTION FILTER

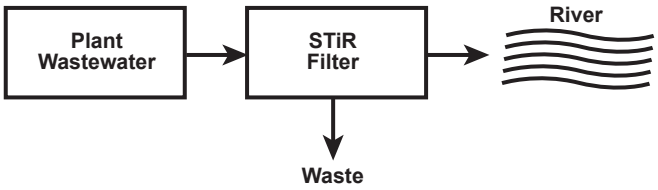
Sam Livingston Fish Hatchery

PRODUCT USED:

STiR Industrial Water Filter

END USER:	Sam Livingston Fish Hatchery
LOCATION:	Calgary, Alberta, Canada
UNITS:	(1) STiR-28V (28 ft2 filter)
RATE:	200 gpm (0.3 million gallons/day)
PROCESS:	Clarifier Overflow Polishing

RIVER WATER PROTECTION-PROCESS FLOW DIAGRAM



MORE INFO

The Sam Livingston Fish Hatchery raises approximately 3 million fish per year and discharges 4700 gallons per day of plant wastewater, which contains fish waste, fish food, and other suspended solids into the Bow River.

The Filtra-Systems STiR industrial water filter underwent a 3-week evaluation to determine if a production scale filtration unit can reduce the daily Total Suspend Solids (TSS) load below the present limit of 22 kg/day.

Turns out, a single STiR filter reduced the daily TSS in the waste stream by a factor of 10.

This met the waste discharge requirements of the hatchery, and also protected the river from pollution. With this water filter the Bow River is now protected during all four seasons.

The Filtra-Systems STiR filter employs a dynamic back-washing method (self cleaning, minimized waste volume), which is achieved through its proprietary regeneration assembly. This allows it to provide extremely clean water, a main reason for implementation.

We invite you to give us a call for your free filtration consultation to see if the STiR is right for your manufacturing process, 248-427-9090 .