



Canola Oil Processor in Canada

The City of Lethbridge Water System, located in a small town in Alberta, Canada, is designed to handle the wastewater effluent generated primarily by the large canola crushing operation in town.

Prior to treatment the large volumes of canola oil processing waste (industrial grease) had created unusually high TSS and BOD levels in the water system.

Treatment began using Mega-Bac bacterial products. A sixty-day monitoring system was established for reporting purposes.

Specific results during the sixty-day monitoring period showed the raw industrial effluent and industrial primary effluent were moderately improved, and the final effluent was significantly improved. Details are outlined in the following chart.

	TSS Before	TSS After	BOD Before	BOD After		
The of Mega-	Raw Industrial Effluent	681 mg/L	492 mg/L	1002 mg/L	483 mg/L	use Bac
	Industrial Primary Effluent	329 mg/L	327 mg/L	871 mg/L	687 mg/L	
	Final Effluent	169 mg/L	22 mg/L	128 mg/L	26 mg/L	

bacterial products proved to be an effective treatment of wastewater in city systems when the large majority of waste is produced by food processing operations.