

# Monitoring of hydrocarbons at the effluent of a food manufacturing facility

## APPLICATION

Monitoring the effluent of a food manufacturing plant to detect the presence of hydrocarbons.

## CUSTOMER

Food manufacturer, Canada

## PROBLEM

Lake water is extracted for the cooling of machinery used in the food manufacturing. Hydrocarbons from machinery and other oils can contaminate the cooling water which is then returned to the lake, potentially causing pollution.

## PRODUCT

MS1900-01-SYS – Standard version, 4 - 20 mA output, continuous measurement.

## INSTALLATION FACTS

The instrument measures the effluent water that is returned to the lake on-line and continuously. The effluent sample is circulated through the sample tank by using a submerged pump in the inspection chamber. As the effluent can reach high temperatures, the tank gas sampling system has been enhanced to deal with condensation. When a certain contamination level is reached the analyser triggers an alarm and send

a signal to the user who can then treat the contaminated water before discharging it back into the lake.

The customer decided to use the MS1900 oil in water analyser in conjunction with other more classical parameters such as TOC, pH and conductivity to be sure to detect any issue well ahead of time.

*Learn more on the new MS1900 oil in water monitor and analyser by clicking on the image*



The MS1900 analyser installed close to the effluent.