

Application Note

Colifast ALARM Monitors the Water Quality in a Clean Water Reservoir



Application

Colifast ALARM monitors the microbial water quality in a clean water reservoir at Rennesøy outside of Stavanger. The instrument performs daily analyses of coliform bacteria and sends the result via e-mail or SMS or to operator's control room via PLC.

Background

«We installed automatic monitorization because we experienced random incidents of coliform bacteria in the distribution line over some years. We wanted to do more systematic measurements on a 24 hours basis, get an earlier warning and through that find the cause of the contamination incidents»

IVAR IKS, 2012



Technical information

Colifast ALARM is a fully automated instrument that samples a 100 mL water sample and analyses it for coliform bacteria, fecal coliform bacteria or *E. coli*. The analysis takes 6 to 15 hours and is therefore a faster method than traditional sampling and analysis methods. This is a major benefit due to the short time period until potentially contaminated water is consumed by recipients.

The Colifast ALARM is easy to operate and requires little maintenance.

The client

IVAR IKS is an inter-municipal company responsible for water, wastewater and waste management in 13 municipalities in the Stavanger area in Norway. IVAR IKS supplies drinking water from the two lakes Stølsvatn and Storevatn to approximately 320,000 recipients. Two Colifast CALMs monitor the microbial quality on the two raw water sources.

COLIFAST®