

Application Note

Colifast ALARM monitors drinking water disinfection process



Application

Colifast ALARM is installed at the membrane filter rig on the drinking water treatment plant (DWTP) of Jevnaker municipality. The municipality uses Randsfjorden, the fourth largest lake in Norway, as drinking water source. The instrument collects a 100 mL water sample from the water flow every 24 hours. The municipality and the local food authorities agreed that a test frequency every second day is sufficient for this application. The water sample is analyzed for total coliforms and the result is sent directly to the DWTP control room via PLC.

Technical information

Colifast ALARM is a fully automated online instrument that collects a 100 mL water sample, incubates at a given temperature and analyses the sample for total coliforms, fecal coliforms or *E. coli*. The instrument at Jevnaker requires on average a five minutes of hands-on maintenance once every 42 days. Those five minutes involves changing the bottle of growth medium, empty the waste container, and refill the acid rinse solution container. The latter two which are only needed every other time. The instrument is very easy to use.

Background

We chose the Colifast ALARM in order to obtain better control of the water after it has been purified by the membrane filter. The membrane filter is our first hygienic barrier. The second one is chlorination. We find that the system works perfectly fine!

Per Olimb,
Senior Project Manager Water and Wastewater



COLIFAST®