

COLIFAST NEWSLETTER

A newsletter from Colifast AS about detection of bacteria in water

No. 1/2016

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In our newsletter you can read more about:



New article published in Water

Picture: www.budstikka.no

New application for Colifast Field Kit?

Picture: www.vegvesen.no

An upcoming visit to our neighbours!

Picture: www.svensktvatten.se

New ALARM in Finland

Picture: jaraid.tumblr.com

New article published in the journal Water

Ingun Tryland and Colifast's laboratory manager Henrik Braathen have together with several other researchers published the article *Monitoring of β -D-Galactosidase Activity as a Surrogate Parameter for Rapid Detection of Sewage Contamination in Urban Recreational Water* in the journal Water. The article investigates Colifast's rapid screening method and its use in monitoring the hygienic quality of urban recreational areas. The rapid method can, based on enzyme activity, calculate how many *E. coli* bacteria are present in a sample. The focus of the article was to establish how well enzyme activity can predict bacterial levels. The authors found that enzyme activity can predict fecal contamination from humans satisfactory. Further on they established that the rapid screening method is very well suited for samples of relatively high contamination, e.g. 1000 *E. coli* bacteria per 100 ml.



New application for Colifast Field Kit?



2016 had barely started when we got a brand new type of request regarding our rapid screening method. NCC, a building company, wanted us to test the bacterial content of the water bodies in the tunnel they're building. At one point the tunnel will pass below one of Oslo's sewage canals, something that made the NCC people worry about possible leakage of sewage water into their working space. The rapid screening method is not only a part of our field kit but also a test we offer to do in our laboratory. So now, when NCC discovers leakages in the tunnel, a sample will be taken for us to collect and analyse it in our lab facilities. Hence, the workers of NCC can feel a little safer regarding the hygienic conditions of their working environment. (Picture: www.ncc.no).

Colifast will be attending the National Drinking Water Conference in Malmö

April 19th to 20th is when Svenskt Vatten (Swedish Water) will be holding the National Drinking Water Conference in Malmö. The conference will from this year on be an annual event for people in the drinking water business and researchers in the neighboring country. We are very pleased and grateful for the opportunity to give the presentation "Online measurement of *E. coli*". Further on, Svenskt Vatten offered us to bring one of our instruments for show after the presentations, which naturally we are very delighted to do.

New installation of Colifast ALARM in Finland



Luode Consulting has installed the second Colifast ALARM on the water distribution system in Nurmijärvi in Finland. As the first one, this instrument will be monitoring the microbial quality of the water in a water tower. Hence, this new ALARM will contribute to the fact that about 40 000 people will be receiving water according to microbial drinking water standards.