

NORDROCS 2018

7th Joint Nordic Meeting on Remediation of Contaminated Sites

Short course

PFAS

Dynamic investigations with mobile lab at PFAS-impacted sites

Time Monday September 3, 2018, 11.00 – 16.00 (incl. lunch)

Venue Konventum, Gl. Hellebækvej 70, 3000 Helsingør

Organised by

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Subject

In recent years, PFAS has been recognized as an emerging contaminant with numerous reports of impacted drinking water across the globe. This is also the case in the Scandinavian countries, where much attention has been given to the historical use of PFAS-containing AFFF-foams at firefighting training areas.

As a result of the complete lack of onsite analytical possibilities, investigations at PFAS sites are today carried out in a traditional manner. Hence, samples are collected in the field and subsequently analyzed at fixed laboratories with five days turnaround time. As a consequence, several separate investigations are required even at sites of "small" or "medium" complexity which leads to much extended projects and high costs.

In 2017, however, a mobile lab for PFAS analysis (LC-MS/MS) entered the market, making it possible to perform chemical analysis of 24 separate PFAS with detection levels down to single-digit ng/l. With a turnaround time of about one to two hours, data on PFAS-contamination is available at nearly real time, which enables dynamic work strategies even at PFAS-impacted sites and supports stronger conceptual site models and understanding of potential risks to receptors.

The course also includes a number of case studies where dynamic strategies have been used at PFAS-impacted sites and information about the all-new mobile lab capabilities.

Program

General introduction.

Typical challenges involved when investigating and selecting remedy options at PFAS sites, including data needed to build a conceptual site model.

Introduction to dynamic work strategies.

Available tools to collect real time data on geology, hydrogeology and hydraulics (including Rotosonic, the Geoprobe platform, and more).

Introduction to mobile lab to collect real time data on PFAS-contamination.

Case studies from Scandinavia and North America.

Closing remarks.

Registration

www.nordrocs.org

Changes may occur

NORDROCS 2018 is arranged by

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