

NORDROCS 2018

7th Joint Nordic Meeting on Remediation of Contaminated Sites

Technical tour - Innovation Garage, Skovlunde

Time Thursday September 6, 2018, kl. 09.00 – 13.30 (incl. lunch)

Place Bus tour – from Konventum, Helsingør
Final destination: Copenhagen C (joint lunch)

Organised by

Environmental Engineer Niels Døssing Overheu, Capital Region of Denmark
Special Consultant, hydrogeologist Hasse Milter, Region Zealand

Subject

The Danish regions operate nine contaminated test sites, which the regions and their partners use for test and demonstration of new technology for site investigation and remediation. This technical tour will visit the first established test site, the Innovation Garage in the Copenhagen suburb of Skovlunde.

The Innovation Garage is a former dry-cleaning facility contaminated with chlorinated solvents, mainly PCE. The Capital Region purchased the site in 2012 to turn it into a living lab. A state-of-the-art pump-and-treat plant prevents the contamination from spreading from the site while we use it for testing. It is possible to divert part of the process water to test alternative water treatment methods.

The site has indoor and outdoor testing spaces, kitchen, meeting room, office, toilets and WiFi. More info on the site is available at <http://danishsoil.org/testsites/testsite.php?id=1>.

Program

- 09.00 Departure by bus from Konventum, Helsingør
- 09.30 Arrival at Innovation Garage, Skovlunde Byvej 96a, Skovlunde. Introduction to the Regions and their work on innovation, the test site network and the Innovation Garage
Niels Døssing Overheu, Environmental Engineer, Capital Region of Denmark
- 10.15 Tour of the site, including results of previous testing and interesting projects in the pipeline
Niels Døssing Overheu, Environmental Engineer, Capital Region of Denmark
- Introduction to current projects at the Innovation Garage**
Water treatment by membrane filtration and advanced oxidation
Special Consultant, hydrogeologist Hasse Milter, Region Zealand
- Electrochemical groundwater remediation in a tank experiment
Bente Højlund Hyldegaard, Industrial Ph.D.-student, Danish Technical University/COWI
- Investigation of contaminated building materials & vapor intrusion mitigation by sub-slab depressurization
R&D Manager Per Loll, DMR A/S
- In situ remediation using nano-particles (The Metal Aid project)
Adrian Schiefler, Ph.D.-student, Capital Region/Copenhagen University
- Hydraulic characterization of complex till deposits through advanced infiltration tests"
Knud Erik Strøyberg Klint, Senior Project Manager, M.Sc. Ph.D. Geology, Geo
- Measurement of electrical potential as indicator of soil contamination
Lars Riis Damgaard, Ph.D., research specialist, Aarhus University, Department of Bioscience
- 12.00 Finish - Bus transport to Copenhagen C
- 13.00 Joint lunch
- 14.15 Bus - return to parking lot Konventum - *Optional*

Changes may occur

NORDROCS 2018 is arranged by