

Excursion A - full day bus tour

Tour by bus to Reerslev Gravel pit (typical geology for Zeeland), Vadsby-site (remediation), Solhøj Catchment Area and Torslunde Waterwork (water treatment and ground water protection)

Date: 17 September 2010 (08.30 – 16.00), incl. lunch

Start DGI-Byen, CPH-Conference

Guide: Mads Terkelsen, M.Sc. Geology, Capital Region of Denmark

8.30 Departure from DGI-Byen CPH Conference

9.00 – 10.00 Reerslev Gravel pit

At the Reerslev gravel pit, the typical geology for Zeeland, Denmark will be presented. Glacial deposits consisting of alternating layers of clayey tills and meltwater sediments. The meltwater sediments are of sand or gravel and interbedded with layers of silt and clay. The glacial succession is underlain by Cretaceous limestone deposits. Groundwater from the limestone is the major drinking water resource in the area.

In protecting the groundwater resource, a big challenge for The Capital Region of Denmark is in situ remediation of the soil contaminations in the low permeable glacial tills

10.30 – 12.00 Remediation of Vadsby-site

The Vadsby site is contaminated with a mixture of chlorinated ethenes and ethanes. The applied remediation technologies are a combination of thermal heating (ISTD) and bioremediation (Reductive dechlorination).

At the site there will be a presentation of the background, the investigations and the theory of the remediations being carried out. Furthermore there will be a presentation of the ISTD installation in operation and there will be a GeoProbe injection test carried out, that, on line, will be documented by excavation.

12.00 – 13.30 Lunch

13.30 – 15.00 Solhøj catchment Area

At Solhøj there will be a presentation of the largest groundwater intake in Denmark. Both the catchment area and the waterworks will be presented

16.00 Drop off at Copenhagen International Airport (if needed)

Programme is subject to possible changes

The excursion is arranged by

