

CERAMAH TEKNIK TECHNICAL TALK

Mapping of the contaminant dispersion in the sub-surface using ground electromagnetic (GEM-2) survey and resistivity imaging

Rahman Yaccup (Nuclear Malaysia)

21 October 2015, Department of Geology, University of Malaya

The above talk was presented by Sdr. Dr. Rahman Yaccup (Nuclear Malaysia) on 21st October, 2015 at the Department of Geology, University of Malaya, Kuala Lumpur. Sdr Rahman introduced the GEM-2 survey method, and discussed two case studies where the method was used to investigate the dispersion of contaminants in the ground. The contaminants investigated include various heavy metals, and hydrocarbon products. One site studied was an old dockyard in Cardiff, Wales; while the second case study involves municipal and industrial waste landfills near Birmingham, England. The GEM-2 study was complemented by Resistivity Imaging method, and the results successfully mapped out the dispersion of the various contaminants.

The materials presented here form part of Sdr Rahman's Ph.D. thesis at the Geology Dept., Cardiff University, Wales. There was a lively discussion session following the presentation.

The Society records its appreciation to Sdr Rahman for his contribution to the Society's activity.



Tan Boon Kong,

Chairman, Working Group on Engineering Geology, Hydrogeology & Environmental Geology