

The ACLCA logo features the letters 'aclca' in a white, cursive font, positioned above a stylized white wave graphic. This is set against a green triangular background that points upwards.

Vapour Intrusion – International Perspectives And Lessons Learned

**Monday 30th August 2010
Melbourne**

**A short course offered by
ACLCA Vic
and presented by Todd McAlary
and Greg Davis**

FEES (inc GST)

ACLCA Vic members - \$330
ALGA members - \$385
Non-members - \$440

Please register prior to Mon. 23th August 2010.

Geosyntec
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engineers | scientists | innovators



Course Description

Vapour Intrusion to indoor air is often the exposure pathway of greatest concern for human health risks at sites with volatile organic compounds in soil and groundwater.

This seminar will provide valuable information to help environmental professionals assess and manage such risks, and learn from two decades of practical international experience. **Attendance is limited to 55 people, so please register early to avoid disappointment.**

Course Schedule

8:00 am – **Registration**

8:20 am – Welcome and Introductions (ACLCA)

8:30 am – Australian Regulatory Perspectives (Mike Caldwell – EPA Vic)

9:10 am – International Perspective/History (McAlary)

9:30 am – Basic Theory and Conceptual Models (McAlary)

10:00 am – **Break**

10:15 am – Indoor Air Quality and Background (McAlary)

10:45 am – Site Assessment Toolbox and Strategy (McAlary)

11:30 am – Exercise: Conceptual Model Development

12:10 pm – **Lunch**

12:50 pm – Data Quality Considerations (McAlary)

1:30 pm – Biodegradation of Hydrocarbons (Davis)

2:15 pm – Mathematical Modeling (McAlary)

3:00 pm – Case Study – V.I. from Petroleum, Chlorinated and Mercury Sources (Kristi Hanson - AECOM)

3:30 pm – **Break**

3:45 pm – Mitigation and Redevelopment (McAlary)

4:15 pm – Emerging Methods and Research Directions (McAlary and Davis)

4:45 pm – Moderated Discussion (ACLCA)

5:30 pm – Informal Discussion and Light Refreshments

Presenter profiles

Todd McAlary is the Practice Leader for Vapor Intrusion Services at Geosyntec Consultants, Inc. He has been a member of the US EPA's Expert Panel on Vapor Intrusion since 2000, and has been a primary or contributing author to over a dozen vapor intrusion guidance documents in the US, Canada and UK. He has chaired sessions, been an invited speaker and/or made platform presentations on vapor intrusion at over 40 conferences and has been an Instructor for the ITRC Classroom training series on vapor intrusion for three years. He is currently performing leading research into new methods for assessing and managing vapor intrusion.

Dr Greg Davis leads a multidisciplinary group at CSIRO in Perth and specializes in research on groundwater quality science and the urban water environment. He is especially interested in the behavior and fate of chemicals in subsurface environments, and quantifying vapour biodegradation and risks associated with vapour intrusion to indoor air. Dr Davis is the author of 84 journal articles or book chapters, 170 reports and 79 conference papers and is the Chief Editor of the Journal of Contaminant Hydrology.

Michael Caldwell is Program Leader in Environmental Audit in the Environmental Performance Unit of EPA Victoria

Kristi Hanson is a Senior Environmental Scientist with AECOM Australia in the Remediation, Construction, Engineering & Waste Group and based in Melbourne.

To Register:

To make a booking for this course please visit the ACLCA website www.aclca.org.au and register online via the events calendar.

Registrations will be accepted online with payment by credit card (Visa or Mastercard). Registrations can also be made online with pending payment by direct deposit or cheque. ALGA members must contact Louisa Nicholls in order to obtain the ALGA-members rate.

Course Location

Karstens at CQ, 123 Queens Street, Melbourne www.karstensatcq.com.au

Contact Information

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