

SoBRA sub-group

Vapour Intrusion (VI)

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December 2017

Objective

To build on the recommendations of the groundwater vapour GAC report (GAC_{gwwap}), and address recommendations from the 2017 summer workshop, including:

- CSM – clarity on vapour intrusion CSM, to inform appropriate data collection (and subsequent assessment)
- Data collection – emphasise importance of soil vapour collection, over soil and groundwater data alone
- Raise awareness of available data collection and interpretation methods
- Develop a set of vGAC to allow interpretation of soil vapour data
- Develop a screening distance tool, applicable for use in the UK
- Recognise vapour membranes as the last line of defence, and develop competency of risk assessment practitioners accordingly
- Increase membrane installation and verification competencies

Aims

- Prepare a series of concise technical memos, with the intention of:
 - Helping practitioners with VI CSM development, based on CIRIA and other relevant international guidance
 - Summarising data collection options, and the benefits and limitations of the different options available, to help practitioners select an appropriate approach
 - Summarising international modelling tool capabilities, including benefits and limitations, to aid practitioners when selecting an appropriate tool for data evaluation
- Review differences between the US VI CSM used in the screening distance tool, and UK specific parameters for VI assessment
- Use review of VI CSM to inform empirical data collection, aiding development of a screening distance tool for the UK (acknowledging the challenge posed by preferential pathways)
- Develop a set of vGAC, following review of techniques available
- Work with external parties to develop competency of practitioners and the wider industry, such as membrane installation and verification
- Raise awareness through communication of the above, ultimately aiming to raise standards across our industry

Would you like to be an active member?

Existing members:

- Lucy Thomas (RSK) proposed sub-group lead
- Geraint Williams (ALS Environmental)
- Paloma Montes (WSP)
- Richard Brinkworth (Leap)
- Becky (Wood)
- David Dyson (AECOM)
- John Andrews (RSK)
- Mel Lyons (RSK)
- Sarah Mortimer (The Environmental Protection Group Ltd)
- *Laboratory and contractor ?*
- *Facilitators / rapporteurs?*
- *Local authority?*

Questions & suggestions