

From: "Kara Magyar" <KMagyar@caltld.com>
To: MCGILLR@ipcb.state.il.us
Date: 12/10/2008 4:09:55 PM
Subject: RE: Case # R2009-009

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STATE OF ILLINOIS
Pollution Control Board

Mr. McGill,

RE:
Case No: R2009-009
Case Type: Rulemaking
Media Type: Land
County: Statewide

Case Name: In the Matter of: Proposed Amendments to Tiered Approach
to Corrective Action Objectives (35 Ill. Adm. Code 742)
Board Member: Johnson, T.E.
Hearing Officer: McGill, R.
Status: Board Order

Our company has been working with the IEPA (Mr. Andrew Frierdich) regarding the proposed amendments to the TACO 35 IAC Code 742 regarding Vapor Intrusion. We are fully aware that these regulations are under review and may undergo some modifications but we are trying to get a leg up on the amendments to better serve our clients for when these amendments and their modifications are passed.

A question arose between our company and another environmental consulting firm during our evaluation of the IEPA J&E equations and regulations which regarded further clarification of the soil gas infiltration rate (Qsoil). We wanted to understand more fully the reasoning around the IEPA assuming the value of Qsoil being zero at a distance greater than 5 feet. It is our understanding that the controlling mode of transport is by diffusion and not advection at this distance, but by doing this are the IEPA regulations stating that there is no potential for gas to infiltrate into the building structure at a distance greater than five feet?

The IEPA responded to our question after first recommending that we forward this question to your attention at the Illinois Pollution Control Board (IPCB) so that all parties can view the question and the IEPA's response. Their only response to our question was that Qsoil is considered zero at all depths when pursuing Remediation Objectives (ROs) in Tiers 1 and 2 and that only when pursuing a Tier 3 (742.935) RO does the 5 foot depth come into play.

Thank you for your time.

Sincerely,
Kara Magyar

Kara Magyar
Environmental Geologist

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