

ACLCA SA ONLINE PRESENTATION

TOPIC: Exposing the Cracks – Challenges encountered when installing a Vapor Intrusion Mitigation System

Presented by: Guy Graening (GHD)

Time: 10:00 am – until 11:00 am (approx.) – Adelaide time
Date: Wednesday 1 June 2022
Via: Zoom (details below)

Synopsis:

Vapor intrusion mitigation system (VIMS) design has matured in response to rising concerns of vapor intrusion into new or existing buildings. Various state and federal organizations have provided guidance documents on proper VIMS design. These systems typically include: a high-porosity vent layer (e.g., drain rock) that depressurizes the space below the foundation slab and accumulates vapors that may emanate from the subgrade; low-profile vapor collectors installed within the vent layer convey vapors horizontally; a low-permeability vapor intrusion barrier installed above the vent layer that inhibits vapor migration vertically to the overlying foundation slab; vent risers located outside of building walls that convey collected vapors vertically to discharge points; and passive venting by means of natural chemical diffusion and atmospheric pressure gradients. Alternatively, the VIMS may be operated in an active venting mode where a vacuum blower on the building roof is connected to the vent risers. While much of the focus has been on the proper VIMS design, there are significant challenges encountered during the installation that can lead to unsatisfactory occupant protection from vapor intrusion.

Presenter's Bio:

Guy Graening has more than 31 years of engineering project management experience including environmental Remedial Investigation / Feasibility Study (RI/FS), remediation system design / operations / maintenance, air monitoring, and hazardous waste management. He began his career as an aeronautical engineer for the US Air Force overseeing a team of civil servants and defense contractors to design / transition windshield / canopy technology for military aircraft. As a civilian, Guy has managed numerous multi-million dollar private and public projects involving civil design and environmental remediation.

REGISTRATION

Registration for all ACLCA SA events is essential at:

<https://us06web.zoom.us/meeting/register/tZUuce6vqzwpGN2DVz6Egmom96dVqZvZ3QYN>

After registering, you will receive a confirmation email containing information about joining the meeting.

This workshop is free and open to attend for members and invited guests only.

Are you a member of a professional association? This course is likely to be valid for CPD points (or similar).

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