

From: Lorne Everett <LEverett@everettassociates.net>
Subject: RE: My draft report on Madison-Kipp, etc.
Date: August 2, 2017 at 10:46:22 AM PDT
To: Lenny Siegel <lsiegel@cpeo.org>
Cc: James Wells <JWells@everettassociates.net>, Jorge Matos <JMatos@everettassociates.net>

Dear Lenny

Thanks for the opportunity to comment on the draft report.

I am pleased that you continue to support the plight of damaged citizens. In this case you have captured the issues very well both technically and with respect to the issues of risk. For me after over 90 court cases and over \$2 B in awards I am dismayed by the lack of follow on after the court judgments or settlements by the regulators and industry while the citizens are left defenseless. Without legal proceedings, the level of concern by the regulator and industry drops dramatically yet the risk remains the same.

Your opening picture shows a typical sub slab depressurization system, often referred to as a Radon System. Your picture also shows one of the main issues with that system. Next to the Radon System is the rain downspout. After any rain that part of the sub slab will not be able to pull a vacuum because the soil pores will be full of water. I am Chairing a new ASTM national Standard that address the issue of confirming the effectiveness of these Radon Systems since they are by far the device of choice.

These systems must be able to create a Pressure field/vacuum field under the total slab. I often request that the Radon System be tested to show that the vacuum extends under the entire slab by requiring that at 4 quadrant locations under the slab that a vacuum can be measured. This is easily done with a "Vapor Pin" and a small manometer. What often happens is that the system is turned on and the home owner sees a vacuum in the single inhome manometer but he has no idea if his entire home is protected. I often see that one or more of the bedrooms are not protected because the presence of moisture precludes the movement of gases by vacuum. The notion of testing these systems once per year is unacceptable. ASTM does not permit the publishing of draft standards but my ideas are just good science and can be discussed openly.

Thank you for quoting me in the report, we appreciate the visibility from such a respected source.

Kindest
Lorne

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From: Lenny Siegel [<mailto:lsiegel@cpeo.org>]
Sent: Monday, July 31, 2017 8:59 PM
To: Lorne Everett <LEverett@everettassociates.net>
Subject: My draft report on Madison-Kipp, etc.

Lorne,

I don't know whether you are free to make comments, but here is my draft report on vapor intrusion in Madison. I hope to finalize it and publish it on line in about two weeks.

I found your testimony very helpful

Lenny

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