

Beggs, Tauren R - DNR

From: John Emery <emery.ja@gmail.com>
Sent: Wednesday, January 4, 2017 2:17 PM
To: Adam Olinski
Cc: Omni Environmental Assoc Don Brittnacher; Beggs, Tauren R - DNR
Subject: Fwd: Contractor guidance for mitigation system

Hi Adam - I informed Tauren Beggs at the DNR of your site visit yesterday and that you would be contacting him for more technical information. Below is his response for what they look for in a mitigation contractor. Please send me the information on what dry cleaning sites you have worked on and the DNR project managers you have worked with. If you still have technical questions for Tauren, you may contact him directly & copy me, or I can relay your questions to him. Hope this helps.

John

----- Forwarded message -----

From: **Beggs, Tauren R - DNR** <Tauren.Beggs@wisconsin.gov>
Date: Wed, Jan 4, 2017 at 11:40 AM
Subject: RE: Contractor guidance for mitigation system
To: John Emery <emery.ja@gmail.com>
Cc: Omni Environmental Assoc Don Brittnacher <don.brittnacher@omni.com>

Hi John,

Some additional information for you:

- Do you have the technical questions Adam asked that you could relay to me?
- I would find out from Adam (A-1 Radon) what dry cleaning sites he has worked on and what DNR Project Managers he worked with, then I could possibly find which case files are available for those dry cleaning sites and take a quick look at the documentation of vapor mitigation system installation or talk to the DNR project manager for information.
- There are 3 main things that set an experienced chemical vapor contractor apart from a radon contractor:
 - 1) The contractor will do diagnostic testing prior to installing a system to understand the building, HVAC system, etc. and do pressure field extension testing (aka communication testing). Pressure field extension testing is a diagnostic test to evaluate the potential effectiveness of a vapor mitigation system (aka sub-slab depressurization system) by applying a vacuum beneath the slab and measuring the extension of the vacuum field, which basically means it helps determine how the vapor mitigation system should be designed so it will apply a vacuum in the sub-slab that will cover the entire extent of the building footprint, so the vapors can be channeled from under the building to the vent pipe exhaust above the roofline of the building.

2) The contractor will do pressure field extension testing after the vapor mitigation system is installed to ensure the entire building footprint is depressurized, meaning the air pressure under the floor slab is lower than the air pressure in the building, keeping the vapors from entering the building. This testing will help to confirm the effectiveness of the vapor mitigation system.

3) The contractor will document in a construction report the installation of the vapor mitigation system, provide photographic documentation of the system, document how the system is performing and will include a Operation, Maintenance and Monitoring Plan to document how the system will continue to operate and can be maintained. For some guidance on what the plan would look like, you can refer to DNR Guidance document RR-981 *Maintenance Plans for Vapor Mitigation Systems* available at the following link: <http://dnr.wi.gov/files/PDF/pubs/rr/RR981.pdf>.

If you have any questions on this, please feel free to call me.

Thanks,

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Tauren R. Beggs

Phone: [\(920\) 662-5178](tel:(920)662-5178)

Tauren.Beggs@wisconsin.gov

Beggs, Tauren R - DNR

From: Beggs, Tauren R - DNR
Sent: Wednesday, January 4, 2017 9:35 AM
To: 'John Emery'
Cc: Omni Environmental Assoc Don Brittnacher
Subject: RE: Contractor guidance for mitigation system

Thanks John! I will talk to my DNR regional and state vapor contacts to see what I can find out for you and get back in touch with you.

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Tauren R. Beggs

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From: John Emery [mailto:emery.ja@gmail.com]
Sent: Tuesday, January 03, 2017 8:23 PM
To: Beggs, Tauren R - DNR
Cc: Omni Environmental Assoc Don Brittnacher
Subject: Contractor guidance for mitigation system

Hi Tauren - Today I toured our building with Adam Olinski from A-1 Radon here in Green Bay. Adam has done four other dry cleaning sites and seemed to understand our issues but had technical questions I couldn't answer so I hope you don't mind that I directed him to you. After speaking with you he will prepare a proposal for my review which I will share with you & Don along with other proposals I'm able to get prior to awarding the work. Based on what he saw today he gave me an order of magnitude cost of \$2000 (best case)-7000 (worst case).

Another guy I've talked to is David Cook at DC Mitigation in Waukesha. Initially I thought he'd be a qualified contractor but when I talked to him again on the phone today he admitted that he has not done any dry cleaning sites. I told him that could disqualify him but he said he's done many jobs for the state & municipalities so he'd like to talk to our DNR contact to see if his other work could qualify him. I didn't give him your name/number but would you consider calling him to see if he has the required expertise? David Cook can be contacted at 262-749-4266.

I've also been in contact with EnviroForensics in Indianapolis. We may use them for an insurance investigation but their rough costs for design/build a system are about five times higher than other rough numbers I've heard so far.

I've also been in contact with SWAT Environmental. They're based in Michigan but have a downstate Wisconsin office. They would like to send a technician to the site next week so we'll see how that goes.

If you have any other suggestions or guidance at this point, I'd appreciate it.

Thanks for your assistance,
John