

Schultz, Josie M - DNR

From: VanKirk, Deanne M. <Deanne.VanKirk@browncountywi.gov>
Sent: Tuesday, June 30, 2020 11:23 AM
To: Hedman, Curtis J - DHS
Cc: Shove, Ted; Schultz, Josie M - DNR
Subject: 1233 S Military Ave. Green Bay, WI

Good Morning,

The onsite visit to provide the information as requested to Jim's Music and Edward Jones was conducted this morning. The information provided at the time of this visit included: the Tetrachloroethylene – ToxFAQs fact sheet and the Overview of PCE Contamination of Indoor Air from Vapor Intrusion packet. It was communicated that any further questions regarding the direct health effects of PCE exposure can be directed to Curtis.

Please let us know what are the next steps in this process and how we may assist.

Thank you. Have a good day!

Deanne Van Kirk
Public Health Sanitarian

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From: Hedman, Curtis J - DHS <Curtis.Hedman@dhs.wisconsin.gov>
Sent: Tuesday, June 23, 2020 4:09 PM
To: VanKirk, Deanne M. <Deanne.VanKirk@browncountywi.gov>
Subject: RE: Ideas for write up

Hi Deanne,

Thanks for agreeing to perform some outreach to Jim's Guitar Shop and Edward Jones at Innovative Properties site. The ATSDR ToxFAQs would be a good summary to print and drop off:

PCE ToxFAQs (<https://www.atsdr.cdc.gov/toxfaqs/tfacts18.pdf>)

You could also refer them to the DHS webpage on PCE:

[https://www.dhs.wisconsin.gov/chemical/tetchlor.htm#:~:text=Tetrachloroethylene%20\(PCE\)%20is%20a%20nonflammable,%2C%20glues%2C%20and%20wood%20cleaners.](https://www.dhs.wisconsin.gov/chemical/tetchlor.htm#:~:text=Tetrachloroethylene%20(PCE)%20is%20a%20nonflammable,%2C%20glues%2C%20and%20wood%20cleaners.)

Another good summary was recently put together by Madison-Dane County Public Health Department:

<https://www.publichealthmdc.com/documents/An%20Overview%20of%20PCE%20Contamination%20of%20Inddor%20Air%20from%20Vapor%20Intrusion.pdf>

Please also share my contact information for if they have follow up comments or questions.

Best regards,

Curtis

Curtis Hedman, Ph.D.
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From: Hedman, Curtis J - DHS
Sent: Wednesday, June 17, 2020 1:30 PM
To: VanKirk, Deanne M. <Deanne.VanKirk@browncountywi.gov>
Subject: RE: Ideas for write up

Deanne,

Here's the DHS PCE web info I mentioned yesterday:

[https://www.dhs.wisconsin.gov/chemical/tetchlor.htm#:~:text=Tetrachloroethylene%20\(PCE\)%20is%20a%20nonflammable,%2C%20glues%2C%20and%20wood%20cleaners.](https://www.dhs.wisconsin.gov/chemical/tetchlor.htm#:~:text=Tetrachloroethylene%20(PCE)%20is%20a%20nonflammable,%2C%20glues%2C%20and%20wood%20cleaners.)

Talk soon,

Curtis

From: VanKirk, Deanne M. <Deanne.VanKirk@browncountywi.gov>
Sent: Wednesday, June 17, 2020 1:13 PM
To: Hedman, Curtis J - DHS <Curtis.Hedman@dhs.wisconsin.gov>
Subject: RE: Ideas for write up

I have 130 PM in my calendar. Will that work for you?

Sent from my Samsung Galaxy smartphone.

----- Original message -----

From: "Hedman, Curtis J - DHS" <Curtis.Hedman@dhs.wisconsin.gov>
Date: 6/17/20 12:38 PM (GMT-06:00)
To: "VanKirk, Deanne M." <Deanne.VanKirk@browncountywi.gov>
Subject: RE: Ideas for write up

Hi Deanne,

Confirming – are you planning to call me at 1pm today?

Curtis

From: VanKirk, Deanne M. <Deanne.VanKirk@browncountywi.gov>
Sent: Tuesday, June 16, 2020 9:36 AM
To: Hedman, Curtis J - DHS <Curtis.Hedman@dhs.wisconsin.gov>
Subject: RE: Ideas for write up

Good Morning Curtis,

Would you have availability for a conference call with myself and Ted, the EH manager on Friday? The best times would be either at 11 AM or 1 PM. Do either of these times work with your schedule?

Thanks!

Deanne Van Kirk
Public Health Sanitarian

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From: Hedman, Curtis J - DHS <Curtis.Hedman@dhs.wisconsin.gov>
Sent: Monday, June 15, 2020 2:27 PM
To: VanKirk, Deanne M. <Deanne.VanKirk@browncountywi.gov>
Subject: Ideas for write up

Hi Deanne,

See below for some points that can inform the creation of draft orders for further consideration:

1. DNR is working with the owner of Innovative Properties to investigate a vapor intrusion case
2. Indoor air samples taken at Edward Jones, Jim's Guitar Center, and One Hour Martinizing show PCE concentrations above action levels
3. Recent attempts to reduce PCE concentrations in this building with carbon filtration units and installation of a sub-slab mitigation system were not effective
4. PCE levels are > 3x the VAL and therefore present an elevated risk to human health
5. DHS recommends that steps be taken to interrupt the inhalation exposure pathway for occupants until concentrations can be brought to below the VAL
6. These steps may include source mitigation, the use of improved engineering controls to address effectiveness of the sub-slab depressurization system, and limiting access for building occupants until these control measures are proven to be effective
7. Using the latest PCE indoor air data available, individuals occupying the building at or below 2 hours per day should keep their daily exposures below levels of concern until follow up measures and indoor air monitoring data show PCE levels are reduced

The primary target for PCE toxicity is the central nervous system. Exposure to moderate amounts of PCE may cause dizziness or drowsiness, headache and loss of coordination. Exposure to low amounts of PCE over a long time period may cause changes in mood, memory, attention, reaction time, and vision. Animal studies also show PCE has toxic effects on the liver and kidney. Epidemiological studies suggest that PCE might lead to a higher risk of developing bladder cancer, multiple myeloma, or non-Hodgkin's lymphoma with longer term exposures. Therefore, it is important to halt or reduce people's exposure to PCE whenever possible. Please see the PCE ToxFAQs (<https://www.atsdr.cdc.gov/toxfaqs/tfacts18.pdf>) for additional information, and feel free to use it to assist with communication with the building's occupants.

Please feel free to share my contact information with the building occupants in case they have health related questions.

I will call in a bit to go over these thoughts with you.

Best,

Curtis

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