

## Feeney, John M - DNR

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**From:** Bernard Fenelon <bernard.fenelon@gza.com>  
**Sent:** Tuesday, January 24, 2023 12:31 PM  
**To:** Feeney, John M - DNR  
**Cc:** John Osborne  
**Subject:** RE: Decorah Shopping Center Annex, BRRTS #: 02-67-151266  
**Attachments:** Decorah Shopping Center Target Residential VI Assessment Properties.pdf; Tables 1 - Decorah SC Residential IAQ Results.pdf; Tables 2 - Decorah SC Residential Sub-Slab Results.pdf

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A figure of target properties and indoor-air and sub-slab sampling results collected to date are attached. We plan to finish the three rounds of sampling from the remaining three residential properties in 2023. We will forward the owner results letters as the rounds of sampling are conducted.

**Bernard G. Fenelon**  
**Senior Consultant**

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**From:** Feeney, John M - DNR <JohnM.Feeney@wisconsin.gov>  
**Sent:** Wednesday, January 4, 2023 8:34 AM  
**To:** Bernard Fenelon <bernard.fenelon@gza.com>  
**Cc:** John Osborne <John.Osborne@gza.com>  
**Subject:** [EXTERNAL] Decorah Shopping Center Annex, BRRTS #: 02-67-151266

Hi Bernie. How are things going on Decorah Shopping Center Annex? Do you have any draft summary tables and maps for the vapor data?

**We are committed to service excellence.**

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

**John M Feeney**

Phone: 262-416-8643

[johnm.feeney@wisconsin.gov](mailto:johnm.feeney@wisconsin.gov)



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**From:** Bernard Fenelon <[bernard.fenelon@gza.com](mailto:bernard.fenelon@gza.com)>  
**Sent:** Thursday, April 28, 2022 10:26 AM  
**To:** Feeney, John M - DNR <[JohnM.Feeney@wisconsin.gov](mailto:JohnM.Feeney@wisconsin.gov)>; Hedman, Curtis J - DHS <[Curtis.Hedman@dhs.wisconsin.gov](mailto:Curtis.Hedman@dhs.wisconsin.gov)>  
**Cc:** John Osborne <[John.Osborne@gza.com](mailto:John.Osborne@gza.com)>  
**Subject:** Second round Results Letter - 981 Lincoln Drive W, West Bend

**CAUTION: This email originated from outside the organization.  
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A copy of the second-round results letter mailed today to the owner of 981 Lincoln Drive West in West Bend is attached for your files. A copy of the letter will also be uploaded to the WDNR early next week. Let me know if you have any questions.

**Bernard G. Fenelon**  
**Senior Consultant**  
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o: 262.754.2567 | c: 262.424.2045 | [bernard.fenelon@gza.com](mailto:bernard.fenelon@gza.com) | [www.gza.com](http://www.gza.com) | [LinkedIn](#)

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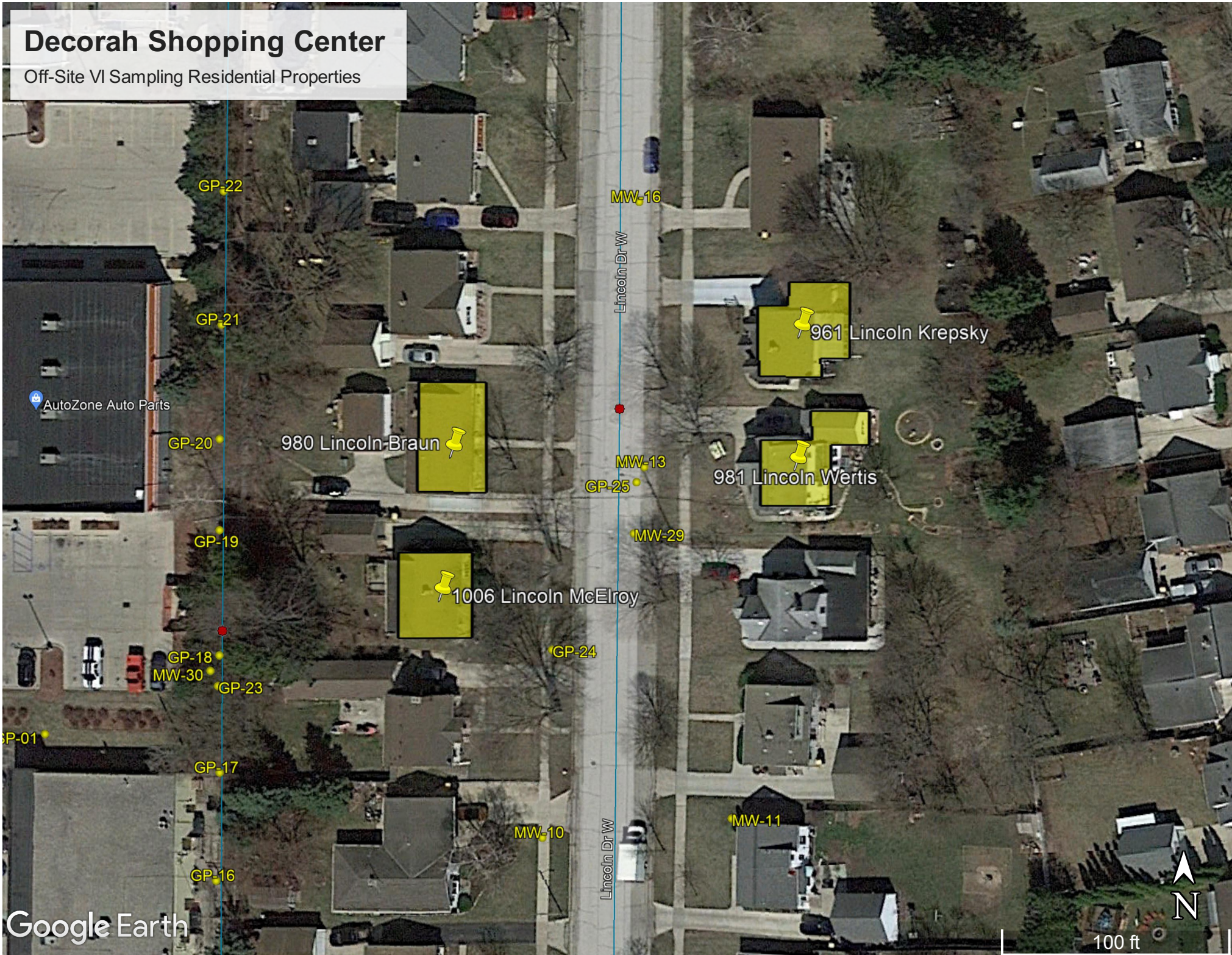
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# Decorah Shopping Center

Off-Site VI Sampling Residential Properties







**TABLE 1**  
**RESIDENTIAL INDOOR-AIR ANALYTICAL RESULTS**  
**Decorah Shopping Center**  
**West Bend, Wisconsin**

Owner	Address - Sample Date	Residential Indoor Air Vapor Action Levels <sup>(3,4)</sup>	cis-1,2-DCE	trans-1,2-DCE	PCE	TCE	VC
		( $\mu\text{g}/\text{m}^3$ )	42	42	42	2.1	1.7
Krepsky	961 Lincoln Drive West-Basement	3/1-2/2021	<0.021	<0.027	<b>0.22</b>	<0.034	<0.010
	961 Lincoln Drive West-1 <sup>st</sup> Floor	3/1-2/2021	<0.017	<b>1.3</b>	<0.036	<0.027	<0.0083
	961 Lincoln Drive West-2 <sup>nd</sup> Floor	3/1-2/2021	<0.021	<0.026	<b>0.17</b>	<0.033	<0.010
	961 Lincoln Drive West-Background	3/1-2/2021	<0.019	<0.024	<0.040	<0.030	<0.0093
	961 Lincoln Drive West-Basement	6/1-2/2021	<0.031	<0.027	<b>0.88</b>	<0.043	<0.023
	961 Lincoln Drive West-1 <sup>st</sup> Floor	6/1-2/2021	<b>0.077 J</b>	<b>3.9</b>	<b>1.2</b>	<b>0.12</b>	<0.034
	961 Lincoln Drive West-2 <sup>nd</sup> Floor	6/1-2/2021	<0.031	<b>0.16</b>	<b>1.4</b>	<b>0.071 J</b>	<0.023
	961 Lincoln Drive West-Background	6/1-2/2021	<0.031	<b>0.82</b>	<b>0.20</b>	<0.043	<0.023
	961 Lincoln Drive West-Basement	11/29-30/2021	<0.29	<0.25	<0.44	<0.29	<0.13
	961 Lincoln Drive West-1 <sup>st</sup> Floor	11/29-30/2021	<0.27	<0.24	<0.41	<b>0.80</b>	<0.12
	961 Lincoln Drive West-2 <sup>nd</sup> Floor	11/29-30/2021	<0.30	<0.26	<0.44	<0.30	<0.13
	961 Lincoln Drive West-Background	11/29-30/2021	<0.27	<0.23	<0.40	<0.27	<0.12
Braun	980 Lincoln Drive West-Basement	2/11-12/2022	<0.29	<0.25	<0.44	<0.29	<0.13
	980 Lincoln Drive West-1 <sup>st</sup> Floor	2/11-12/2022	<0.30	<0.26	<0.44	<0.30	<0.13
	980 Lincoln Drive West-Background	2/11-12/2022	<0.27	<0.24	<0.79	<0.28	<0.12
Wertis	981 Lincoln Drive West-Basement	11/29-30/2021	<0.29	<0.25	<0.44	<0.29	<0.13
	981 Lincoln Drive West-1 <sup>st</sup> Floor	11/29-30/2021	<0.30	<0.26	<0.45	<0.30	<0.13
	981 Lincoln Drive West-2 <sup>nd</sup> Floor	11/29-30/2021	<0.30	<0.26	<0.44	<0.30	<0.13
	981 Lincoln Drive West-Background	11/29-30/2021	<0.27	<0.24	<0.41	<0.28	<0.12
	981 Lincoln Drive West-Basement	3/23-24/2022	<0.31	<0.27	<0.47	<0.32	<0.14
	981 Lincoln Drive West-1 <sup>st</sup> Floor	3/23-24/2022	<0.32	<0.28	<0.48	<0.32	<0.14
	981 Lincoln Drive West-2 <sup>nd</sup> Floor	3/23-24/2022	<0.31	<0.27	<0.47	<0.32	<0.14
	981 Lincoln Drive West-Background	3/23-24/2022	<0.28	<0.25	<0.43	<0.29	<0.13



**TABLE 1  
RESIDENTIAL INDOOR-AIR ANALYTICAL RESULTS  
Decorah Shopping Center  
West Bend, Wisconsin**

Owner	Address - Sample Date	Residential Indoor Air Vapor Action Levels <sup>(3,4)</sup> ( $\mu\text{g}/\text{m}^3$ )	cis-1,2-DCE	trans-1,2-DCE	PCE	TCE	VC	
			42	42	42	2.1	1.7	
McElroy	1006 Lincoln Drive West-Basement	1/5-6/2022	<b>1.9</b>	<0.26	<b>1.9</b>	<b><u>2.3</u></b>	<0.13	
	1006 Lincoln Drive West-1 <sup>st</sup> Floor	1/5-6/2022	<0.30	<0.26	<0.45	<0.30	<0.13	
	1006 Lincoln Drive West-2 <sup>nd</sup> Floor	1/5-6/2022	<0.30	<b>4.2</b>	<0.45	<0.30	<0.13	
	1006 Lincoln Drive West-Background	1/5-6/2022	<0.26	<0.23	<0.39	<0.26	<0.12	
	1006 Lincoln Drive West	2/10/2022	Moved various household chemicals from basement to garage.					
	1006 Lincoln Drive West-Basement	3/17-18/2022	<0.32	<0.28	<0.48	<0.32	<0.14	
	1006 Lincoln Drive West-Background	3/17-18/2022	<0.31	<b>1.9</b>	<0.46	<0.31	<0.14	

**Notes:**

1. Sub-slab vapor samples were collected by GZA GeoEnvironmental, Inc. from sub-slab vapor monitoring points for analysis by Pace Analytical of St. Paul, Minnesota for cis-1,2-dichloroethene, tetrachloroethene, trichloroethene and vinyl chloride in accordance with USEPA Method TO-15.
2. Results are provided in micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ).
3. Screening levels (January 2023) are obtained from a WDNR webpage at the following link: <https://dnr.wi.gov/DocLink/RR/RR0136.pdf>.
4. Concentrations below the screening values are considered acceptable for occupancy of the building.
5. 2015 USEPA Vapor Intrusion guidance provides a minimum 30 times attenuation factor between the sub-slab and indoor air concentrations.
6. Values that exceed WDNR Vapor Action levels (VALs) are underlined and in italics.
7. "NS" denotes no screening level established.



**TABLE 2  
RESIDENTIAL SUB-SLAB VAPOR ANALYTICAL RESULTS  
Decorah Shopping Center  
West Bend, Wisconsin**

Owner	Address - Sample	Sub-Slab Residential Vapor Inhalation Screening Levels <sup>(3,4)</sup> ( $\mu\text{g}/\text{m}^3$ )	cis-1,2-DCE	trans-1,2-DCE	PCE	TCE	VC
			1,400	1,400	1,400	70	56
Krepsky	961 Lincoln Drive West-SS-S	3/2/2021	<0.24	<0.29	<b>11.2</b>	<0.36	<0.14
	961 Lincoln Drive West-SS-N	3/2/2021	<0.24	<0.29	<b>72</b>	<0.36	<0.14
	961 Lincoln Drive West-South-SS	6/2/2021	<0.33	<0.28	<b>22</b>	<0.33	<0.15
	961 Lincoln Drive West-North-SS	6/2/2021	<0.33	<0.28	<b>76.7</b>	<0.33	<0.15
	961 Lincoln Drive West-South-SS	11/30/2021	<0.33	<0.28	<b>42.1</b>	<b>1.5</b>	<0.15
	961 Lincoln Drive West-North-SS	11/30/2021	<0.34	<0.29	<b>189</b>	<0.34	<0.15
Braun	980 Lincoln Drive West-South-SS	2/12/2022	<0.27	<0.23	<b>24.4</b>	<0.27	<0.12
	980 Lincoln Drive West-North-SS	2/12/2022	<0.27	<0.24	<b>309</b>	<b>1.6</b>	<0.12
Wertis	981 Lincoln Drive West-South-SS	11/30/2021	<0.33	<0.28	<b>16.6</b>	<0.33	<0.15
	981 Lincoln Drive West-North-SS	11/30/2021	<0.33	<0.28	<b>27.6</b>	<0.33	<0.15
	981 Lincoln Drive West-South-SS	3/24/2022	<0.35	<0.30	<b>20.1</b>	<0.35	<0.15
	981 Lincoln Drive West-North-SS	3/24/2022	<0.38	<0.33	<b>33.0</b>	<0.38	<0.17
McElroy	1006 Lincoln Drive West-East-SS	1/6/2022	<0.33	<0.29	<b>26.7</b>	<0.34	<0.15
	1006 Lincoln Drive West-West-SS	1/6/2022	<0.33	<0.29	<b>13.3</b>	<0.34	<0.15

**Notes:**

1. Sub-slab vapor samples were collected by GZA GeoEnvironmental, Inc. from sub-slab vapor monitoring points for analysis by Eurofins of Folsom, California for cis-1,2-dichloroethene, tetrachloroethene, trichloroethene and vinyl chloride in accordance with Modified EPA Method TO-15.
2. Results are provided in micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ).
3. Screening levels (January 2023) are obtained from a WDNR webpage at the following link: <https://dnr.wi.gov/DocLink/RR/RR0136.pdf>.
4. Concentrations below the screening values are considered acceptable for occupancy of the building.
5. 2015 USEPA Vapor Intrusion guidance provides a minimum 30 times attenuation factor between the sub-slab and indoor air concentrations.
6. Values that exceed WDNR sub-slab Vapor Risk Screening Levels (VRSLs) are underlined and in italics.
7. "NS" denotes no screening level established.