State of Wisconsin **DEPARTMENT OF NATURAL RESOURCES** 2984 Shawano Avenue Green Bay WI 54313-6727

Tony Evers, Governor Preston D. Cole, Secretary Telephone 608-266-2621

Toll Free 1-888-936-7463 TTY Access via relay - 711



December 20, 2019

MAREK ENTERPRISES LLC MICHAEL C MAREK 2616 WASHINGTON ST **MANITOWOC WI 54220-4822**

> SUBJECT: Vapor Sampling Results - Contaminant Detection Below DNR Screening Level PROPERTY: WI DOT – Susies Restaurant (Former) – LGU-SL, 1020 S. 26th Street, Manitowoc, WI BRRTS Activity # 02-36-000516

Dear Mr. Marek.

Included are the findings of a recent investigation on your properties located at 2616 Washington Street by the Wisconsin Department of Natural Resources (DNR).

As you are aware, this investigation was conducted because of the potential for contaminant vapors from the nearby WI DOT - Susies Restaurant (Former) property identified above to migrate through soil, accumulate beneath the foundation of your business, and possibly enter your indoor air. The contaminant of concern at the WI DOT - Susies Restaurant (Former) property is Trichloroethene, or TCE. The history of this site and the potential concerns to neighboring residents were described in detail in the original letter sent to your business.

On December 3, 2019, an environmental consultant hired by DNR collected indoor air samples from your property. The samples were then submitted to Pace Analytical Services, LLC, where they underwent laboratory analysis for five contaminants, including perchloroethylene (PCE), trichloroethylene (TCE), cis-1,2dichloroethylene, trans-1,2-dichloroethylene and vinyl chloride (VC).

Your Test Results:

Attached is a copy of the laboratory report for your Indoor air samples.

At 2616 Washington Street the results show that a small amount of TCE was detected in the samples taken from your basement and first floor, the level at which it was detected is such that it does not pose a threat to you or your employees. This is called "a detection below screening level" and is explained in the enclosed fact sheet.

The laboratory report from the August sampling event also shows very low levels of VOCs other than TCE in the indoor air samples from your building. Tetrachloroethylene, or PCE, was detected in the indoor air samples collected at 2616 Washington Street. This is likely due to the activities that took place at WI DOT - Susies Restaurant (Former) in the past. The level at which the additional VOCs were detected is such that it does not pose a threat to you or your employees.

There does not appear to be a risk of TCE vapor entering your business at 2616 Washington Street from beneath the foundation at this time. In order to confirm the results, I will contact you to schedule another sampling visit in the near future.



December 20, 2019 Page 2 of 2

Michael C Marek – Marek Enterprises LLC

Vapor Sampling Results

WI DOT – Susies Restaurant (Former), BRRTS #02-36-000516

Please feel free to contact me at (920) 662-5443 or by email to Sarah.Krueger@wisconsin.gov if you have any questions about these results.

Sincerely,

Sarah Krueger Project Manager

Remediation & Redevelopment Program

Sarah E Krueger

Encl. Understanding Chemical Vapor Testing Results, <u>RR977</u>

Att. Laboratory Analytical Report

Sample Location Figure

cc: Greg Minikel, City of Manitowoc, gminikel@manitowoc.org





Project: 25219179 Susie's Restaurant

Pace Project No.: 10501881

Date: 12/16/2019 12:14 PM

Sample: IA-6 2616 Washington Up	Lab ID:	10501881011	Collected	d: 12/03/1	9 15:21	Received: 12	/06/19 13:30 M	atrix: Air	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical	Method: TO-15							
cis-1,2-Dichloroethene	<0.35	ug/m3	1.3	0.35	1.61		12/11/19 01:36	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/m3	1.3	0.46	1.61		12/11/19 01:36	156-60-5	
Tetrachloroethene	0.68J	ug/m3	1.1	0.51	1.61		12/11/19 01:36	127-18-4	
Trichloroethene	0.55J	ug/m3	0.88	0.41	1.61		12/11/19 01:36	79-01-6	
Vinyl chloride	<0.20	ug/m3	0.42	0.20	1.61		12/11/19 01:36	75-01-4	
Sample: IA-7 2616 Washington down	Lab ID:	10501881012	Collected	d: 12/03/1	9 15:23	Received: 12	/06/19 13:30 M	atrix: Air	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical	Method: TO-15							
cis-1,2-Dichloroethene	<0.35	ug/m3	1.3	0.35	1.61		12/11/19 02:06	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/m3	1.3	0.46	1.61		12/11/19 02:06	156-60-5	
Tetrachloroethene	0.61J	ug/m3	1.1	0.51	1.61		12/11/19 02:06	127-18-4	
Trichloroethene	0.66J	ug/m3	0.88	0.41	1.61		12/11/19 02:06	79-01-6	
Vinyl chloride	<0.20	ug/m3	0.42	0.20	1.61		12/11/19 02:06	75-01-4	

SCS ENGINEERS

Project No.:	25219179	Sample Location/ID:	UP-8
		WAR ACTION OF BOUNDARY MINISTER STONE STON	

Date: 12/4/2019

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Sample Locations Sketch: 2616 Washington Street
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N NOTTO SCALE Scale approx 1"=10"

State of Wisconsin **DEPARTMENT OF NATURAL RESOURCES** 2984 Shawano Avenue Green Bay WI 54313-6727

Tony Evers, Governor Preston D. Cole, Secretary Telephone 608-266-2621

WISCONSIN Toll Free 1-888-936-7463 **DEPT. OF NATURAL RESOURCES** TTY Access via relay - 711

December 20, 2019

SALVADOR VELASQUES 2604 CUSTER STREET **MANITOWOC WI 54220**

> SUBJECT: Vapor Sampling Results - Contaminant Detection Below DNR Screening Level PROPERTY: WI DOT – Susies Restaurant (Former) – LGU-SL, 1020 S. 26th Street, Manitowoc, WI BRRTS Activity # 02-36-000516

Dear Mr. Velasques,

Included are the findings of a recent investigation on your properties located at 2604 and 2614 Custer Street, and 1002 South 26th Street by the Wisconsin Department of Natural Resources (DNR).

As you are aware, this investigation was conducted because of the potential for contaminant vapors from the nearby WI DOT - Susies Restaurant (Former) property identified above to migrate through soil, accumulate beneath the foundation of your home or business, and possibly enter your indoor air. The contaminant of concern at the WI DOT - Susies Restaurant (Former) property is Trichloroethene, or TCE. The history of this site and the potential concerns to neighboring residents were described in detail in the original letter sent to your business.

On December 3, 2019, an environmental consultant hired by DNR collected indoor air samples from your three properties. The samples were then submitted to Pace Analytical Services, LLC, where it underwent laboratory analysis for five contaminants, including perchloroethylene (PCE), trichloroethylene (TCE), cis-1,2dichloroethylene, trans-1,2-dichloroehtylene and vinyl chloride (VC).

Your Test Results:

Attached is a copy of the laboratory report for your indoor air samples.

The results of this round of sampling shows that TCE was not detected at 2614 Custer Street or 1002 South 26th Street.

At 2604 Custer Street the results show that a small amount of TCE was detected in the sample taken from your basement, the level at which it was detected is such that it does not pose a threat to you or your employees. This is called "a detection below screening level" and is explained in the enclosed fact sheet.

There does not appear to be a risk of TCE vapor entering your business at 1002 S 26th Street from beneath the foundation at this time. In order to confirm the results, I will contact you to schedule another sampling visit in the near future.

For the properties at 2604 and 2614 Custer Street, these sampling results confirm the previous conclusion that there does not appear to be a risk of TCE vapor entering your home or business from beneath the foundation. Based on the data collected, the DNR is not planning additional sampling at your properties located at 2604 and 2614 Custer Street. I will contact you soon to schedule a time to abandon the vapor ports in the floors of your



December 20, 2019 Page 2 of 2

Salvador Velasques Vapor Sampling Results

WI DOT – Susies Restaurant (Former), BRRTS #02-36-000516

foundations. Please note that the DNR will continue to maintain the Vapor Mitigation System that was installed at the 2604 Custer Street property.

Please feel free to contact me at (920) 662-5443 or by email to Sarah.Krueger@wisconsin.gov if you have any questions about these results.

Sincerely,

Sarah Krueger Project Manager

Remediation & Redevelopment Program

Sarah Krueger

Encl. Understanding Chemical Vapor Testing Results, <u>RR977</u>

Att. Laboratory Analytical Report

Sample Location Figure

cc: Greg Minikel, City of Manitowoc, gminikel@manitowoc.org

700 Elm Street - Suite 200 Minneapolis, MN 55414 (612)607-1700



ANALYTICAL RESULTS

Project: 25219179 Susie's Restaurant

Pace Project No.: 10501881

Date: 12/16/2019 12:14 PM

Sample: IA-1 2614 Custer bsmt.	Lab ID:	10501881006	Collected	d: 12/03/1	9 13:50	Received: 12	2/06/19 13:30 M	atrix: Air	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical	Method: TO-15							
cis-1,2-Dichloroethene	<0.40	ug/m3	1.5	0.40	1.83		12/11/19 01:07	156-59-2	
trans-1,2-Dichloroethene	<0.52	ug/m3	1.5	0.52	1.83		12/11/19 01:07	156-60-5	
Tetrachloroethene	<0.57	ug/m3	1.3	0.57	1.83		12/11/19 01:07	127-18-4	
Trichloroethene	<0.46	ug/m3	1.0	0.46	1.83		12/11/19 01:07	79-01-6	
Vinyl chloride	<0.23	ug/m3	0.48	0.23	1.83		12/11/19 01:07	75-01-4	
Sample: IA-2 2614 Custer LR	Lab ID:	10501881007	Collected	d: 12/03/1	9 08:42	Received: 12	2/06/19 13:30 M	atrix: Air	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical	Method: TO-15							
cis-1,2-Dichloroethene	<0.40	ug/m3	1.5	0.40	1.83		12/10/19 22:08	156-59-2	
trans-1,2-Dichloroethene	<0.52	ug/m3	1.5	0.52	1.83		12/10/19 22:08	156-60-5	
Tetrachloroethene	<0.57	ug/m3	1.3	0.57	1.83		12/10/19 22:08	127-18-4	
Trichloroethene	<0.46	ug/m3	1.0	0.46	1.83		12/10/19 22:08	79-01-6	
Vinyl chloride	<0.23	ug/m3	0.48	0.23	1.83		12/10/19 22:08	75-01-4	
Sample: IA-3 Golden Flame bsmt.	Lab ID:	10501881008	Collected	d: 12/03/1	9 14:40	Received: 12	2/06/19 13:30 M	atrix: Air	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical	Method: TO-15							
cis-1,2-Dichloroethene	2.0	ug/m3	1.2	0.33	1.49		12/10/19 23:08	156-59-2	
trans-1,2-Dichloroethene	0.44J	ug/m3	1.2	0.42	1.49		12/10/19 23:08	156-60-5	
Tetrachloroethene	0.98J	ug/m3	1.0	0.47	1.49		12/10/19 23:08	127-18-4	
Trichloroethene	4.1	ug/m3	0.81	0.38	1.49		12/10/19 23:08	79-01-6	
Vinyl chloride	<0.19	ug/m3	0.39	0.19	1.49		12/10/19 23:08	75-01-4	



Project: 25219179 Susie's Restaurant

Pace Project No.: 10501881

Date: 12/16/2019 12:14 PM

Sample: IA-4 Golden Flame Mens	Lab ID:	10501881009	Collected	d: 12/03/1	9 14:22	Received: 12	2/06/19 13:30 M	atrix: Air	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical	Method: TO-15							
cis-1,2-Dichloroethene	<0.33	ug/m3	1.2	0.33	1.49		12/11/19 00:07	156-59-2	
trans-1,2-Dichloroethene	< 0.42	ug/m3	1.2	0.42	1.49		12/11/19 00:07	156-60-5	
Tetrachloroethene	<0.47	ug/m3	1.0	0.47	1.49		12/11/19 00:07	127-18-4	
Trichloroethene	<0.38	ug/m3	0.81	0.38	1.49		12/11/19 00:07	79-01-6	
Vinyl chloride	<0.19	ug/m3	0.39	0.19	1.49		12/11/19 00:07	75-01-4	
Sample: IA-5 Golden Flame DR	Lab ID:	10501881010	Collected	d: 12/03/1	9 14:34	Received: 12	:/06/19 13:30 Ma	atrix: Air	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical	Method: TO-15							
cis-1,2-Dichloroethene	<0.32	ug/m3	1.2	0.32	1.44		12/11/19 00:37	156-59-2	
trans-1,2-Dichloroethene	<0.41	ug/m3	1.2	0.41	1.44		12/11/19 00:37	156-60-5	
Tetrachloroethene	<0.45	ug/m3	0.99	0.45	1.44		12/11/19 00:37	127-18-4	
	< 0.36	ug/m3	0.79	0.36	1.44		12/11/19 00:37	79-01-6	
Trichloroethene	~0.50								



Project: 25219179 Susie's Restaurant

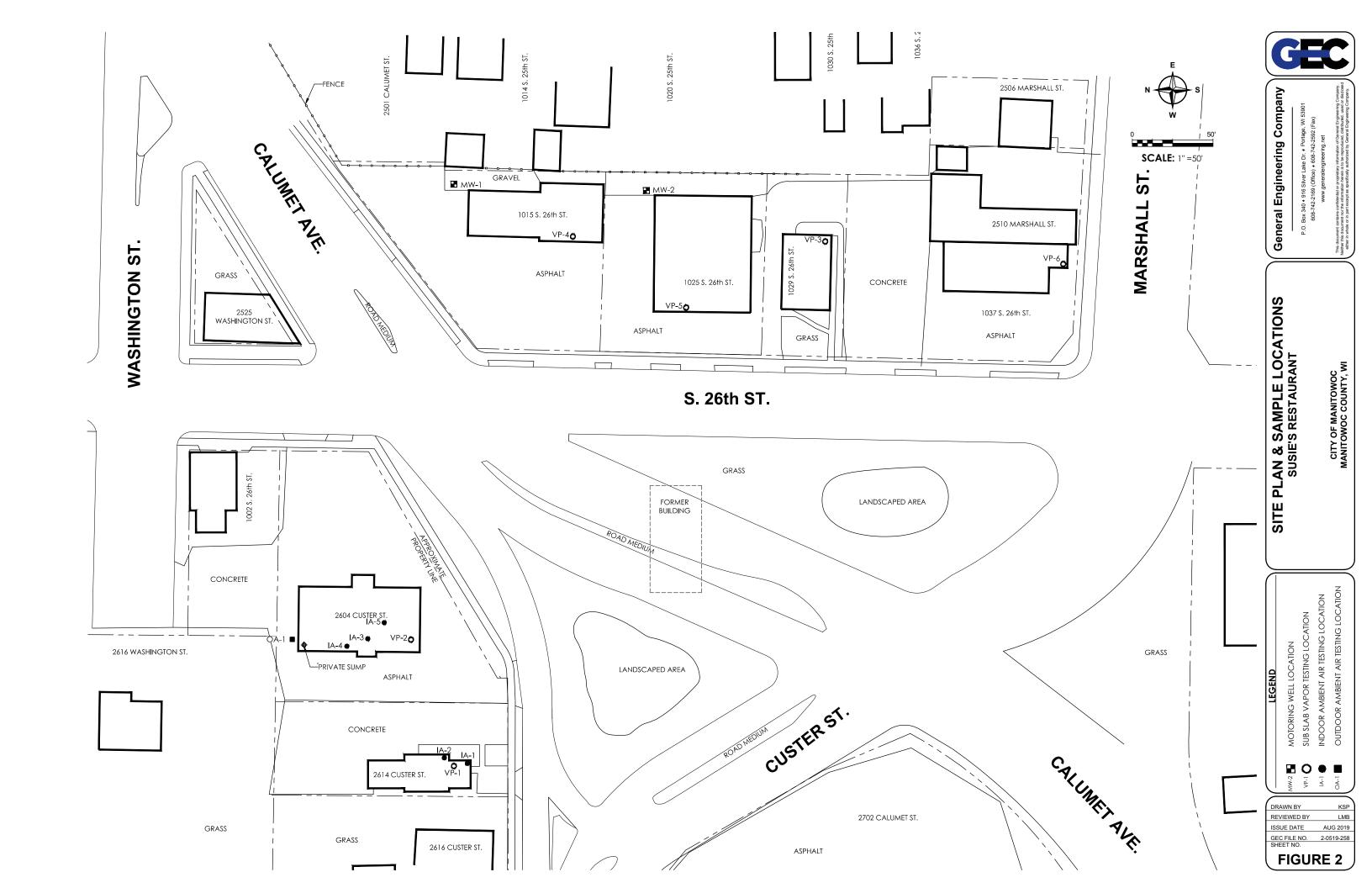
Pace Project No.: 10501881

Date: 12/16/2019 12:14 PM

Sample: IA-8 1002 26th upstairs	Lab ID:	10501881013	Collected	d: 12/03/1	9 15:46	Received: 12	/06/19 13:30 M	atrix: Air	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical	Method: TO-15							
cis-1,2-Dichloroethene	<0.32	ug/m3	1.2	0.32	1.44		12/11/19 02:36	156-59-2	
trans-1,2-Dichloroethene	<0.41	ug/m3	1.2	0.41	1.44		12/11/19 02:36	156-60-5	
Tetrachloroethene	< 0.45	ug/m3	0.99	0.45	1.44		12/11/19 02:36	127-18-4	
Trichloroethene	< 0.36	ug/m3	0.79	0.36	1.44		12/11/19 02:36	79-01-6	
Vinyl chloride	<0.18	ug/m3	0.37	0.18	1.44		12/11/19 02:36	75-01-4	
Sample: IA-9 1002 26th down st.	Lab ID:	10501881014	Collected	d: 12/03/1	9 16:32	Received: 12	/06/19 13:30 M	atrix: Air	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical	Method: TO-15							
cis-1,2-Dichloroethene	<0.32	ug/m3	1.2	0.32	1.44		12/11/19 03:05	156-59-2	
trans-1,2-Dichloroethene	<0.41	ug/m3	1.2	0.41	1.44		12/11/19 03:05	156-60-5	
Tetrachloroethene	< 0.45	ug/m3	0.99	0.45	1.44		12/11/19 03:05	127-18-4	
	<0.36	ug/m3	0.79	0.36	1.44		12/11/19 03:05	79-01-6	
Trichloroethene	~0.50	uu/IIIO							

SCS ENGINEERS

Proje	ct No.:	2521917		Sample Location/ID:	VP-X7
Date:		12/1/	19	1002 26	th st
Samp	ole Local	lions Sketo	:h:		
Y	Vorth	s.	20 #	5.8	9
			Capport)	0	32'
			1 Shew 241	Trobot Air Sout Local T	JA-9
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State of Wisconsin **DEPARTMENT OF NATURAL RESOURCES** 2984 Shawano Avenue Green Bay WI 54313-6727

Tony Evers, Governor Preston D. Cole, Secretary Telephone 608-266-2621

WISCONSIN Toll Free 1-888-936-7463 **DEPT. OF NATURAL RESOURCES** TTY Access via relay - 711

December 20, 2019

TSD PROPERTIES LLC DEBRA JOANNE GABRIEL 2525 WASHINGTON STREET MANITOWOC, WI 54220-4821

> SUBJECT: Vapor Sampling Results - Contaminants Not Detected PROPERTY: WI DOT – Susies Restaurant (Former) – LGU-SL, 1020 S. 26th Street, Manitowoc, WI BRRTS Activity # 02-36-000516

Dear Ms. Gabriel,

Included are the findings of a recent investigation on your properties located at 2525 Washington Street by the Wisconsin Department of Natural Resources (DNR).

As you are aware, this investigation was conducted because of the potential for contaminant vapors from the nearby WI DOT - Susies Restaurant (Former) property identified above to migrate through soil, accumulate beneath the foundation of your business, and possibly enter your indoor air. The contaminant of concern at the WI DOT - Susies Restaurant (Former) property is Trichloroethene, or TCE. The history of this site and the potential concerns to neighboring residents were described in detail in the original letter sent to your business.

On December 3, 2019 and December 4, 2019, an environmental consultant hired by DNR collected an indoor air sample and installed a sampling device into the floor of your foundation and collected a soil vapor sample. The samples were then submitted to Pace Analytical Services, LLC, where they underwent laboratory analysis for five contaminants, including perchloroethylene (PCE), trichloroethylene (TCE), cis-1,2-dichloroethylene, trans-1,2dichloroehtylene and vinyl chloride (VC).

Your Test Results:

Attached is a copy of the laboratory report for your sub-slab and indoor air samples. The results of this round of sampling shows that TCE was not detected at 2525 Washington Street. There does not appear to be a risk of TCE vapor entering your business at 2525 Washington Street from beneath the foundation at this time. In order to confirm the results, I will contact you to schedule another sampling visit in the near future.

Please feel free to contact me at (920) 662-5443 or by email to Sarah.Krueger@wisconsin.gov if you have any questions about these results.

Sincerely,

Sarah Krueger Project Manager

Remediation & Redevelopment Program

Sarah Krueger



December 20, 2019 Debra Joanne Gabriel – TSD Properties LLC Vapor Sampling Results WI DOT – Susies Restaurant (Former), BRRTS #02-36-000516

Encl. Understanding Chemical Vapor Testing Results, <u>RR977</u>

Att. Laboratory Analytical Report Sample Location Figure

cc: Greg Minikel, City of Manitowoc, gminikel@manitowoc.org





Project: 25219179 Susie's Restaurant

Pace Project No.: 10501881

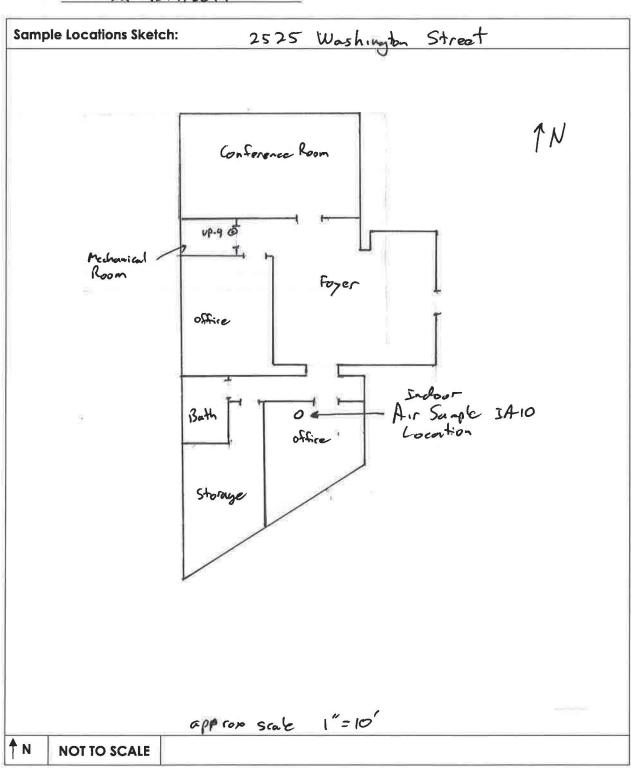
Date: 12/16/2019 12:14 PM

Sample: IA-10 2525 Washington	Lab ID:	10501881015	Collecte	d: 12/03/1	9 15:46	Received: 12/	06/19 13:30 M	atrix: Air	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical	Method: TO-15							
cis-1,2-Dichloroethene	<0.35	ug/m3	1.3	0.35	1.61		12/11/19 03:35	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/m3	1.3	0.46	1.61		12/11/19 03:35	156-60-5	
Tetrachloroethene	<0.51	ug/m3	1.1	0.51	1.61		12/11/19 03:35	127-18-4	
Trichloroethene	<0.41	ug/m3	0.88	0.41	1.61		12/11/19 03:35	79-01-6	
Vinyl chloride	<0.20	ug/m3	0.42	0.20	1.61		12/11/19 03:35	75-01-4	
Sample: VP-9 2525 Washington	Lab ID:	10501881018	Collecte	d: 12/04/1	9 10:21	Received: 12/	/06/19 13:30 Ma	atrix: Air	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical	Method: TO-15							
cis-1,2-Dichloroethene	<0.35	ug/m3	1.3	0.35	1.61		12/11/19 04:05	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/m3	1.3	0.46	1.61		12/11/19 04:05	156-60-5	
Tetrachloroethene	<0.51	ug/m3	1.1	0.51	1.61		12/11/19 04:05	127-18-4	
Trichloroethene	<0.41	ug/m3	0.88	0.41	1.61		12/11/19 04:05	79-01-6	
		-							

SCS ENGINEERS

Project No.:	25219179	Sample Location/ID:	UP-9	
7				

Date: 12/4/2019





Understanding Chemical Vapor Intrusion Testing Results

RR-977 October 2014

From the Lab to You

Chemical vapor samples were taken from underneath your house or building and possibly indoors as well. These samples have been tested by a certified laboratory and a report was issued. The Wisconsin Department of Natural Resources (DNR) uses these test results to determine if people in the building are being exposed to chemical vapors coming from nearby contaminated soil or groundwater, and to decide what, if any, action is needed to prevent this exposure.

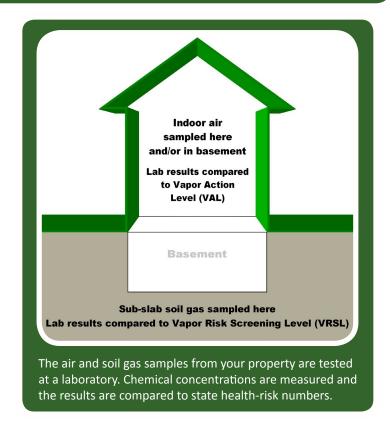
Indoor Air Testing Results

If indoor air samples were collected in your house or building, test results from the lab will be compared to the state Vapor Action Level (VAL) for chemicals of concern. The VAL is a chemical compound's numerical value that represents a health hazard risk to no more than 1 in 100,000 people during a lifetime of exposure. If test results show chemical concentrations in your air below the VAL then adverse health effects are extremely rare, even if you were to breathe the chemical at this concentration for your entire life.

Test results showing chemical concentrations in the air at or above the VAL prompt DNR to recommend that exposure to these chemical vapors be reduced. If test results show concentrations significantly above the VAL, or more than one type of chemical vapor is identified in your indoor air, the risk from exposure increases. If the concentration of any indoor chemical vapor greatly exceeds the VAL, DNR is concerned about even short-term exposure and will typically require immediate action to address the problem.

The VAL for each chemical is set by scientific research. It is protective of all people, including those who are most susceptible to adverse health effects.

If test results identify chemicals in your air that are not present in nearby soil or groundwater contamination, it is likely that these vapors are coming from some product or activity in or near your house or building. Many everyday consumer products (e.g., cleaners, solvents, polish, adhesives, lubricants, aerosols, insect repellants, etc.); combustion processes (e.g., smoking, home heating); fuels in attached garages; dry cleaned clothing or draperies; and occupant activities (e.g., craft hobbies), also release chemical vapors into the air.



Sub-slab Soil Gas Testing Results

Soil gas samples were collected from the ground beneath the concrete slab of your building foundation or basement. The lab measured the concentrations of various chemicals in these samples. DNR compares these measurements to the state Vapor Risk Screening Level (VRSL), which identifies the concentration of a chemical in soil gas that scientific research suggests can be a health risk if vapor enters a building. If soil gas measurements exceed the VRSL for a chemical of concern, action to reduce exposure is strongly recommended.

The VRSL is a higher number (higher chemical concentration) than the VAL because it is presumed that concrete building foundations and basement walls will prevent most soil gas from entering a building. Further, any soil gas that does enter a building through cracks, holes, sump pumps, drains, etc., will be diluted to some extent by the indoor air. So, people inside will not be breathing air that includes the full concentration of chemical vapors that exist in the ground.





DNR generally relies on the test results of the sub-slab soil gas samples when determining what, if any, action should be taken related to chemical vapors coming from nearby soil or groundwater contamination. Indoor air quality is highly variable, and it is difficult to make a definitive decision about vapor intrusion based on indoor air sampling alone.

Follow-Up Actions

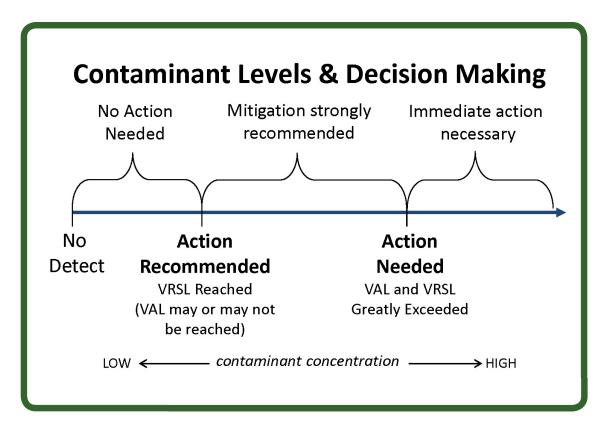
If your test results are less than a VAL for indoor air, or a VRSL for sub-slab soil gas, then the air in the house or building should not present a health concern. Follow-up sampling and testing may be necessary to confirm the results, but no other action is typically suggested.

When test results show soil gas chemical concentrations above a VRSL, both DNR and the Wisconsin Department of

Health Services recommend that owners take action to reduce potential exposure. This typically involves installing a vapor mitigation system that vents chemical vapors from beneath your home or building to the outdoors, similar to a radon mitigation system.

If indoor air concentrations exceed a VAL, but sub-slab concentrations are less than a VRSL, then the chemical vapors are most likely coming from indoor sources. Steps should be taken by the house or building owner to identify the products and practices causing the problem and implement appropriate remedies.

If soil gas mitigation is recommended, a representative of the party who is responsible for the soil or groundwater contamination will contact you to discuss your options.



A Note about Measurement Units: The lab report may include some unfamiliar technical language. The most important point to note is whether or not the test result for a specific chemical exceeds a VAL or VRSL, which are also sometimes referred to, generically, as "screening levels."

The concentration of gaseous pollutants in air is typically described in two different ways: 1) as units of mass per volume, where $\mu g/m3$ represents micrograms of gaseous pollutant per cubic meter of ambient air; and 2) as parts per billion by volume (ppbv), where the volume of a gaseous pollutant is compared to a set volume of ambient air. These are the numbers that are compared to the VAL and VRSL.

For more information, visit dnr.wi.gov/topic/Brownfields/Vapor.html

This document contains information about certain state statutes and administrative rules but does not necessarily include all of the details found in the statutes and rules. Readers should consult the actual language of the statutes and rules to answer specific questions. The Wisconsin Department of Natural Resources provides equal opportunity in its employment, programs, services, and functions under an Affirmative Action Plan. If you have any questions, please write to Equal Opportunity Office, Department of Interior, Washington, D.C. 20240. This publication is available in alternative format upon request. Please call 608-267-3543 for more information.

From: Krueger, Sarah E - DNR

Sent: Wednesday, December 18, 2019 4:16 PM

To: 'Greg Minikel'

Subject: Susies Sanitary Investigation

Attachments: 20191216_Sanitary_Vapor_Data.pdf

Good Evening Greg -

Attached is the analytical data from the Sanitary sewer investigation that we completed on December 3, 2019 in manholes near the former Suisies Restaurant site.

I will be sending out the notifications to the deeded properties by next Monday and will pass those on to you when they are finalized.

Please feel contact me with any questions.

Thank you,

Sarah

We are committed to service excellence.

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

Sarah Krueger, P.G.

Contaminated Sediment Specialist – Remediation & Redevelopment Program Wisconsin Department of Natural Resources 2984 Shawano Avenue Green Bay, WI 54313

Phone: 920-662-5443

Sarah.Krueger@wisconsin.gov



Minneapolis, MN 55414 (612)607-1700



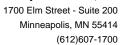
ANALYTICAL RESULTS

Project: 25219179 Susie's Restaurant

Pace Project No.: 10501881

Date: 12/16/2019 12:14 PM

Sample: MH 7-149	Lab ID:	10501881001	Collected	d: 12/03/1	9 10:24	Received: 12	Received: 12/06/19 13:30 Matrix: Air				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
TO15 MSV AIR	Analytical	Method: TO-15									
cis-1,2-Dichloroethene	179	ug/m3	1.6	0.44	2.02		12/11/19 05:05	156-59-2			
trans-1,2-Dichloroethene	38.0	ug/m3	1.6	0.58	2.02		12/11/19 05:05	156-60-5			
Tetrachloroethene	2.3	ug/m3	1.4	0.63	2.02		12/11/19 05:05	127-18-4			
Trichloroethene	371	ug/m3	11.0	5.1	20.2		12/11/19 13:26				
Vinyl chloride	7.7	ug/m3	0.53	0.25	2.02		12/11/19 05:05	75-01-4			
Sample: MH 7-142	Lab ID:	10501881002	Collected	d: 12/03/1	9 10:54	Received: 12	2/06/19 13:30 M	atrix: Air			
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
TO15 MSV AIR	Analytical	Method: TO-15									
cis-1,2-Dichloroethene	37.3	ug/m3	1.6	0.44	2.02		12/11/19 05:35	156-59-2			
trans-1,2-Dichloroethene	8.4	ug/m3	1.6	0.58	2.02		12/11/19 05:35				
Tetrachloroethene	43.4	ug/m3	1.4	0.63	2.02		12/11/19 05:35				
Trichloroethene	74.0	ug/m3	1.1	0.51	2.02		12/11/19 05:35	79-01-6			
Vinyl chloride	1.9	ug/m3	0.53	0.25	2.02		12/11/19 05:35	75-01-4			
Sample: MH 7-139	Lab ID:	10501881003	Collected	d: 12/03/1	9 11:13	Received: 12	2/06/19 13:30 M	atrix: Air			
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
TO15 MSV AIR	Analytical	Method: TO-15									
cis-1,2-Dichloroethene	6.1	ug/m3	1.6	0.44	2.02		12/11/19 06:04	156-59-2			
trans-1,2-Dichloroethene	1.3J	ug/m3	1.6	0.58	2.02		12/11/19 06:04	156-60-5			
Tetrachloroethene	12.9	ug/m3	1.4	0.63	2.02		12/11/19 06:04	127-18-4			
Trichloroethene	7.9	ug/m3	1.1	0.51	2.02		12/11/19 06:04	79-01-6			
Vinyl chloride	<0.25	ug/m3	0.53	0.25	2.02		12/11/19 06:04	75-01-4			
Sample: MH 7-143	Lab ID:	10501881004	Collected	d: 12/03/1	9 11:45	Received: 12	2/06/19 13:30 M	atrix: Air			
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual		
TO15 MSV AIR	Analytical	Method: TO-15									
cis-1,2-Dichloroethene	<0.41	ug/m3	1.5	0.41	1.87		12/11/19 06:34	156-59-2			
trans-1,2-Dichloroethene	<0.53	ug/m3	1.5	0.53	1.87		12/11/19 06:34				
Tetrachloroethene	<0.59	ug/m3	1.3	0.59	1.87		12/11/19 06:34				
Trichloroethene	<0.47	ug/m3	1.0	0.47	1.87		12/11/19 06:34				
11101110100110110											





Project: 25219179 Susie's Restaurant

Pace Project No.: 10501881

Date: 12/16/2019 12:14 PM

Sample: MH 7-146	Lab ID: 10501881005		Collected	Collected: 12/03/19 12:17			Received: 12/06/19 13:30 Matrix: Air		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical	Method: TO-15	;						
cis-1,2-Dichloroethene	<0.42	ug/m3	1.6	0.42	1.94		12/11/19 07:03	156-59-2	
trans-1,2-Dichloroethene	<0.55	ug/m3	1.6	0.55	1.94		12/11/19 07:03	156-60-5	
Tetrachloroethene	41.9	ug/m3	1.3	0.61	1.94		12/11/19 07:03	127-18-4	
Trichloroethene	< 0.49	ug/m3	1.1	0.49	1.94		12/11/19 07:03	79-01-6	
Vinyl chloride	<0.24	ug/m3	0.50	0.24	1.94		12/11/19 07:03	75-01-4	