

02-41-182420 Rec'd 7/30/14

SCS ENGINEERS

July 28, 2014
File No. 25212159.01

Mr. Richard H. Feest
Pinkey's Capitol Auto Body
120 W. Melvina Street
Milwaukee, WI 53212

Subject: Indoor Air Sampling Results
3935 N. Palmer Street, Milwaukee, Wisconsin

Dear Mr. Feest:

SCS Engineers (SCS), on behalf of the Hunn Family Trust, is providing the results of indoor air samples collected at the residence located at 3935 N. Palmer Street, Milwaukee, Wisconsin. The purpose of the sampling was to evaluate the presence of dry cleaning solvent vapors in the indoor air in the vicinity of the former Queens Way Cleaners, formerly located at 117 E. Capitol Drive. This second round of samples was collected to confirm conditions after the vapor mitigation system was installed and ran for a few months.

Sampling Results

On June 26 and June 27, 2014, SCS collected 24-hour indoor air samples from the basement, first floor, and second floors. A 24-hour outdoor air sample was collected on the porch of the residence as a control. The air samples were submitted to the Wisconsin State Laboratory of Hygiene for TO-15 analysis of tetrachloroethene (PCE), cis-1,2-dichloroethene, trans-1,2-dichloroethene, trichloroethene, and vinyl chloride. The laboratory analytical report for the air sampling is attached.

PCE in the air sample from the first floor was the only compound detected in any of the air samples (**Table 1**). The PCE concentration detected is very low and is much lower than the indoor air vapor action level. Based on these data, it appears that the vapor mitigation system is functioning properly.

Please contact me at (608) 216-7331 if you have any questions. Thank you.



Mr. Richard H. Feest
July 28, 2014
Page 2

Sincerely,



Betty J. Socha, PhD, PG
Senior Project Manager
SCS ENGINEERS

TJK/BJS/lmh

cc: Mr. Lou Dodulik, Mudroch & Dodulik, S.C.
Mr. Don Gagas, DFG Environmental, Inc.
Ms. Nancy Ryan, Wisconsin Department of Natural Resources

Enclosures: Table 1
Laboratory Report

I:\25212159\Correspondence-Other\Access Agreements\Feest Air Sampling Results 140729.doc

Table 1. 24-Hour Ambient Air Analytical Results Summary
117 E. Capital Drive / SCS Engineers Project #25212159.00
 (Results are in ppbv)

Sample	Date	Lab	PCE	TCE	cis-1,2-	trans-1,2-	Vinyl
		Notes			DCE	DCE	Chloride
3935 Palmer 1st Floor	7/24/2013	--	0.290	<0.085	<0.085	<0.085	<0.085
	6/27/2014	--	0.16 F	<0.28	<0.28	<0.28	<0.28
3935 Palmer 2nd Floor	7/14/2013	--	0.370	<0.085	<0.085	<0.085	<0.085
	6/27/2014	--	<0.28	<0.28	<0.28	<0.28	<0.28
3935 Palmer Basement	7/24/2013	--	1.48	<0.085	<0.085	<0.085	<0.085
	6/27/2014	--	<0.28	<0.28	<0.28	<0.28	<0.28
3935 Palmer Outdoor	7/24/2013	--	0.250	<0.085	<0.085	<0.085	<0.085
	6/27/2014	--	<0.28	<0.28	<0.28	<0.28	<0.28
Indoor Air Vapor Action Level (Residential)			6.2	0.39	NE	NE	0.65

Abbreviations:

ppbv = parts per billion by volume

cis-1,2-DCE = cis-1,2-dichloroethene

trans-1,2-DCE = trans-1,2-dichloroethene

PCE = tetrachloroethene

TCE = trichloroethene

NE = not established

Notes:

1. Samples were collected in 6L summa canisters over a 24-hour period and were analyzed using the USEPA TO-15 analytical method.

2. Indoor Air Vapor Action Levels are Target Indoor Air Concentrations from the USEPA May 2014 Regional Screening Level Summary Table, assuming a target risk for carcinogens of 1.00E-05.

3. Bold values meet or exceed Vapor Risk Screening Levels for residential settings. Bold and underlined values meet or exceed Vapor Risk Screening Levels for non-residential settings.

Laboratory Notes/Qualifiers:

F = Result is between limit of detection and limit of quantification

Created by: TLC

Date: 8/2/2013

Last revision by: TJK

Date: 7/25/2014

Checked by: BJS

Date: 7/27/2014

I:\25212159\Tables-General\[24-hour Ambient Air.xls]Results



Wisconsin State Laboratory of Hygiene
 2601 Agriculture Drive, PO Box 7996
 Madison, WI 53707-7996
 (800)442-4618 - FAX (608)224-6213
<http://www.slh.wisc.edu>

Laboratory Report

D.F. Kurtycz, M.D., Medical Director - Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

WDNR LAB ID: 113133790 NELAP LAB ID: E37658 EPA LAB ID: WI00007 WI DATCP ID: 105-415

WSLH Sample: 142095001

Report To:
 STEVE SMITH - SCS
 SCS ENGINEERS
 2830 DAIRY DRIVE
 MADISON, WI 53718

Invoice To:
 SCS ENGINEERS
 2830 DAIRY DR
 MADISON, WI 53718-6751

Customer ID: 12858

Field #: 1ST FLOOR INDOOR AIR
 Project No: HUNN FAMILY TRUST
 Collection End: 6/27/2014 3:55:00 PM
 Collection Start: 06/26/14 1555
 Collected By: S SMITH
 Date Received: 6/30/2014
 Date Reported: 7/8/2014
 Sample Reason:

ID#: 1ST FLOOR INDOOR AIR
 Sample Location: 1ST FLOOR INDOOR AIR
 Sample Description:
 Sample Type: AI-INDOOR AIR
 Waterbody:
 Point or Outfall:
 Sample Depth:
 Program Code:
 Region Code:
 County:

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 07/07/14	Analysis Date 07/07/14				
Vinyl chloride	EPA TO-15	ND	ppbv	0.085	0.28
trans-1,2-Dichloroethene	EPA TO-15	ND	ppbv	0.085	0.28
cis-1,2-Dichloroethene	EPA TO-15	ND	ppbv	0.085	0.28
Trichloroethene	EPA TO-15	ND	ppbv	0.085	0.28
Tetrachloroethene	EPA TO-15	0.16F	ppbv	0.085	0.28

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

List of Abbreviations:

LOD = Level of detection
 LOQ = Level of quantification
 ND = None detected. Results are less than the LOD
 F next to result = Result is between LOD and LOQ
 Z next to result = Result is between 0 (zero) and LOD
 if LOD=LOQ, Limits were not statistically derived

*Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes see <http://www.slh.edu/nelap/>



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Laboratory Report

D.F. Kurtycz, M.D., Medical Director - Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB ID: WI00007

WI DATCP ID: 105-415

WSLH Sample: 142095001

Responsible Party

Microbiology: Sharon Kluender, Lab Manager, 608-224-6262

Inorganic Chemistry: Tracy Hanke, Lab Manager, 608-224-6270

Metals: DeWayne Kennedy-Parker, Lab Manager, 608-224-6282

Organic Chemistry: David Webb, Lab Manager, 608-224-6200

Emergency Chemical Response: Noel Stanton, Lab Manager, 608-224-6251



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Environmental Health Division

WDNR LAB ID: 113133790 NELAP LAB ID: E37658 EPA LAB ID: WI00007 WI DATCP ID: 105-415

WSLH Sample: 142095002

Report To:
 STEVE SMITH - SCS
 SCS ENGINEERS
 2830 DAIRY DRIVE
 MADISON, WI 53718

Invoice To:
 SCS ENGINEERS
 2830 DAIRY DR
 MADISON, WI 53718-6751

Customer ID: 12858

Field #: OUTSIDE AMBIENT AIR
 Project No: HUNN FAMILY TRUST
 Collection End: 6/27/2014 4:00:00 PM
 Collection Start: 06/26/14 1600
 Collected By: S SMITH
 Date Received: 6/30/2014
 Date Reported: 7/8/2014
 Sample Reason:

ID#: OUTSIDE AMBIENT AIR
 Sample Location: OUTSIDE AMBIENT AIR
 Sample Description:
 Sample Type: AR-AIR
 Waterbody:
 Point or Outfall:
 Sample Depth:
 Program Code:
 Region Code:
 County:

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 07/07/14 Analysis Date 07/07/14					
Vinyl chloride	EPA TO-15	ND	ppbv	0.085	0.28
trans-1,2-Dichloroethene	EPA TO-15	ND	ppbv	0.085	0.28
cis-1,2-Dichloroethene	EPA TO-15	ND	ppbv	0.085	0.28
Trichloroethene	EPA TO-15	ND	ppbv	0.085	0.28
Tetrachloroethene	EPA TO-15	ND	ppbv	0.085	0.28

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

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Environmental Health Division

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB ID: WI00007

WI DATCP ID: 105-415

WSLH Sample: 142095002

Responsible Party

Microbiology: Sharon Kluender, Lab Manager, 608-224-6262

Inorganic Chemistry: Tracy Hanke, Lab Manager, 608-224-6270

Metals: DeWayne Kennedy-Parker, Lab Manager, 608-224-6282

Organic Chemistry: David Webb, Lab Manager, 608-224-6200

Emergency Chemical Response: Noel Stanton, Lab Manager, 608-224-6251



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Environmental Health Division

WDNR LAB ID: 113133790 NELAP LAB ID: E37658 EPA LAB ID: WI00007 WI DATCP ID: 105-415

WSLH Sample: 142095003

Report To:
 STEVE SMITH - SCS
 SCS ENGINEERS
 2830 DAIRY DRIVE
 MADISON, WI 53718

Invoice To:
 SCS ENGINEERS
 2830 DAIRY DR
 MADISON, WI 53718-6751

Customer ID: 12858

Field #: BASEMENT AIR
 Project No: HUNN FAMILY TRUST
 Collection End: 6/27/2014 4:02:00 PM
 Collection Start: 06/26/14 1602
 Collected By: S SMITH
 Date Received: 6/30/2014
 Date Reported: 7/8/2014
 Sample Reason:

ID#: BASEMENT AIR
 Sample Location: BASEMENT AIR
 Sample Description:
 Sample Type: AI-INDOOR AIR
 Waterbody:
 Point or Outfall:
 Sample Depth:
 Program Code:
 Region Code:
 County:

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 07/07/14 Analysis Date 07/07/14					
Vinyl chloride	EPA TO-15	ND	ppbv	0.085	0.28
trans-1,2-Dichloroethene	EPA TO-15	ND	ppbv	0.085	0.28
cis-1,2-Dichloroethene	EPA TO-15	ND	ppbv	0.085	0.28
Trichloroethene	EPA TO-15	ND	ppbv	0.085	0.28
Tetrachloroethene	EPA TO-15	ND	ppbv	0.085	0.28

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

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Environmental Health Division

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB ID: WI00007

WI DATCP ID: 105-415

WSLH Sample: 142095003

Responsible Party

Microbiology: Sharon Kluender, Lab Manager, 608-224-6262

Inorganic Chemistry: Tracy Hanke, Lab Manager, 608-224-6270

Metals: DeWayne Kennedy-Parker, Lab Manager, 608-224-6282

Organic Chemistry: David Webb, Lab Manager, 608-224-6200

Emergency Chemical Response: Noel Stanton, Lab Manager, 608-224-6251



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WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB ID: WI00007

WI DATCP ID: 105-415

WSLH Sample: 142095004

Report To:

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 SCS ENGINEERS
 2830 DAIRY DRIVE
 MADISON, WI 53718

Invoice To:

SCS ENGINEERS
 2830 DAIRY DR
 MADISON, WI 53718-6751

Customer ID: 12858

Field #: 2ND FLOOR INDOOR AIR
 Project No: HUNN FAMILY TRUST
 Collection End: 6/27/2014 4:16:00 PM
 Collection Start: 06/26/14 1616
 Collected By: S SMITH
 Date Received: 6/30/2014
 Date Reported: 7/8/2014
 Sample Reason:

ID#: 2ND FLOOR INDOOR AIR
 Sample Location: 2ND FLOOR INDOOR AIR
 Sample Description:
 Sample Type: AI-INDOOR AIR
 Waterbody:
 Point or Outfall:
 Sample Depth:
 Program Code:
 Region Code:
 County:

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 07/07/14	Analysis Date 07/07/14				
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Environmental Health Division

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB ID: WI00007

WI DATCP ID: 105-415

WSLH Sample: 142095004

Responsible Party

Microbiology: Sharon Kluender, Lab Manager, 608-224-6262

Inorganic Chemistry: Tracy Hanke, Lab Manager, 608-224-6270

Metals: DeWayne Kennedy-Parker, Lab Manager, 608-224-6282

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