

# K P R G

ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

*Rec'd  
5-12-16  
DRL*

## TRANSMITTAL LETTER

April 19, 2016

Mr. David Volkert  
Wisconsin Department of Natural Resources  
141 NW Barstow Street, Room 180  
Waukesha, WI 53212

Re: Soil Vapor Sampling Data  
Former Bask Dry Cleaners – Waukesha, WI  
BRRTS# 02-68-297669, FID# 268188800

Dear Mr. Volkert:

Per Wisconsin Department of Natural Resources (WDNR) requirements under NR 716.14, attached is a copy of the sample location map and the lab package for the soil vapor sampling from probes installed as part of the vapor intrusion study for the above referenced site. Also included, as Attachment 1, is a copy of the various data submittals that were sent to each property owner. If there are any questions, please contact me at 262-781-0475 or Mr. Brian Riordan of Westbrook Shopping Center at 305-607-6624.

Sincerely,  
KPRG and Associates, Inc.



Richard R. Gnat, P.G.  
Principal

cc: Brian Riordan, Westbrook Shopping Center  
Greg Butts, Westbrook Shopping Center

Table 1 - Summary of Soil Vapor Data for Chlorinated Compounds Only - Former Bask Dry Cleaners

Sample Name		WDNR Residential VRSL		SV-1	SV-1A	SV-1B					SV-2	SV-2A				
Parameter	Date	Sub-Slab	Deep Soil	03/02/05	11/02/12	12/11/12	10/01/14	12/27/14	06/25/15	03/31/16	03/02/05	11/02/12	10/01/14	12/27/14	06/25/15	03/31/16
1,1-Dichloroethene		7,000	21,000	ND	16	<0.79	<7.9	<0.79	<0.79	NA	ND	<0.79	<16	<0.79	1.3	NA
cis-1,2-Dichloroethene		NC	NC	ND	<0.79	<0.79	<7.9	<0.79	<0.79	<0.79	ND	<0.79	<16	<0.79	<0.79	<0.79
trans-1,2-Dichloroethene		NC	NC	ND	<0.79	<0.79	<7.9	<0.79	<0.79	<0.79	ND	<0.79	<16	<0.79	<0.79	<0.79
Tetrachloroethene		1,400	4,200	29.64	2,000	880	2,800	600	1,200	621	5.03	3.3	<b>4,500</b>	390	3.5	1,790
Trichloroethene		70	210	ND	12	1.7	<11	<1.1	1.2	<0.51	ND	<1.1	<b>460</b>	29	<1.1	81.5

Sample Name		WDNR Residential VRSL		SV-3				SV-4				SV-5			
Parameter	Date	Sub-Slab	Deep Soil	09/30/14	12/27/14	06/25/15	03/31/16	09/30/14	12/27/14	06/25/15	03/31/16	09/30/14	12/27/14	06/25/15	03/31/16
1,1-Dichloroethene		7,000	21,000	<3.2	<0.79	<0.79	NA	<40	<0.79	<3.2	NA	3.3	<0.79	<0.79	NA
cis-1,2-Dichloroethene		NC	NC	<3.2	<0.79	<0.79	<0.79	270	11	520	46.3	<0.79	<0.79	<0.79	<0.79
trans-1,2-Dichloroethene		NC	NC	<3.2	<0.79	<0.79	<0.79	310	10	120	<0.79	<0.79	<0.79	<0.79	<0.79
Tetrachloroethene		1,400	4,200	<b>7,500</b>	3,500	3,100	1,470	<b>81,000</b>	1,100	<b>16,000</b>	<b>8,870</b>	4.5	<1.4	2,700	6.07
Trichloroethene		70	210	120	35	14	15.4	<b>6,400</b>	160	<b>1,200</b>	<b>478</b>	<1.1	<1.1	120	1.73

Sample Name		WDNR Residential VRSL		SV-6				SV-7				SV-8			
Parameter	Date	Sub-Slab	Deep Soil	09/30/14	12/27/14	06/25/15	03/31/16	09/30/14	12/27/14	06/25/15	03/31/16	09/30/14	12/27/14	06/25/15	03/31/16
1,1-Dichloroethene		7,000	21,000	1.3	<0.79	<0.79	NA	<20	<0.79	<0.79	NA	<7.9	<0.79	<0.79	NA
cis-1,2-Dichloroethene		NC	NC	<0.79	<0.79	<0.79	<0.79	<20	<0.79	<0.79	<0.79	<7.9	<0.79	<0.79	<0.79
trans-1,2-Dichloroethene		NC	NC	<0.79	<0.79	<0.79	<0.79	<20	<0.79	<0.79	<0.79	<7.9	<0.79	<0.79	<0.79
Tetrachloroethene		1,400	4,200	8.8	1.5	<1.4	3.69	750	110	68	10.9	<14	<1.4	5.0	1.73
Trichloroethene		70	210	<1.1	<1.1	<1.1	<1.1	140	27	17	1.17	<11	<1.1	<1.1	1.36

Sample Name		WDNR Residential VRSL		SV-9			SV-10			SV-11			SV-12			SV-13	SV-14	SV-15
Parameter	Date	Sub-Slab	Deep Soil	12/27/14	06/25/15	03/31/16	12/27/14	06/25/15	03/31/16	12/27/14	06/25/15	03/31/16	06/25/15	07/28/15	03/31/16	03/31/16	03/31/16	03/31/16
1,1-Dichloroethene		7,000	21,000	<6.3	<0.79	NA	<0.79	<0.79	NA	<0.79	<0.79	NA	<3.2	<0.79	NA	NA	NA	NA
cis-1,2-Dichloroethene		NC	NC	180	<0.79	<0.79	6.3	22	<0.79	<0.79	<0.79	<0.79	14	15	37.2	<0.79	<0.79	<0.79
trans-1,2-Dichloroethene		NC	NC	<6.3	<0.79	<0.79	1.3	1.3	<0.79	<0.79	<0.79	<0.79	4.4	5.2	<0.79	<0.79	<0.79	<0.79
Tetrachloroethene		1,400	4,200	<b>5,000</b>	81	5.79	750	3,900	2,200	3.2	5.3	2.46	<b>11,000</b>	<b>27,000</b>	<b>5,370</b>	407	5.98	47.9
Trichloroethene		70	210	91	<1.1	<1.1	33	190	27.0	<1.1	<1.1	<1.1	75	140	77.1	<1.1	<1.1	<1.1

Notes : All values in ug/m<sup>3</sup>.

It is noted that 111-TCA was detected below standard at SV-7 on 12/27/14.

It is noted that Methylene Chloride was detected below standard at SV-4, SV-5 and SV-6 on 9/30/14.

VRSL - Vapor Risk Screening Level

**BOLD** - Result exceeds the Deep Soil VRSL

NA - Not Analyzed

NC - Not Calculated

ND - Not Detected

**ATTACHMENT 1**  
**Data Notification Submittals**

# K P R G

ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

## TRANSMITTAL LETTER

April 19, 2016

Mr. Timothy Falvey  
2007 Capella Court  
Waukesha, WI 53186

Re: Soil Vapor Sampling Data

Dear Mr. Falvey:

Per our Access Agreement and Wisconsin Department of Natural Resources (WDNR) requirements under NR 716.14, attached is a copy of the soil vapor sampling data from the vapor probe located on your property. If there are any questions, please contact Mr. David Volkert of WDNR at 262-574-2166, Mr. Brian Riordan of Westbrook Shopping Center at 305-607-6624, or me at 262-781-0475.

Sincerely,  
KPRG and Associates, Inc.



Richard R. Gnat, P.G.  
Principal

cc: Brian Riordan, Westbrook Shopping Center  
Greg Butts, Westbrook Shopping Center  
David Volkert, WDNR

Table 1 - Summary of Soil Vapor Data for Detected Chlorinated Compounds Only - 2007 Capella Court

Sample Name		WDNR Residential VRSL		SV-3			
Parameter	Date	Sub-Slab	Deep Soil	09/30/14	12/27/14	06/25/15	03/31/16
1,1-Dichloroethene		7,000	21,000	<3.2	<0.79	<0.79	NA
cis-1,2-Dichloroethene		NC	NC	<3.2	<0.79	<0.79	<0.79
trans-1,2-Dichloroethene		NC	NC	<3.2	<0.79	<0.79	<0.79
Methylene Chloride		21,000	63,000	<2.8	NA	NA	NA
Tetrachloroethene		1,400	4,200	<b>7,500</b>	3,500	3,100	1,470
Trichloroethene		70	210	120	35	14	15.4

Notes : All values in ug/m<sup>3</sup>.

VRSL - Vapor Risk Screening Level

NC - Not Calculated

**BOLD** - Result exceeds the Deep Soil VRSL

# K P R G

ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

## TRANSMITTAL LETTER

April 19, 2016

Mr. Dan Johnson  
2008 Capella Court  
Waukesha, WI 53186

Re: Soil Vapor Sampling Data

Dear Mr. Johnson:

Per our Access Agreement and Wisconsin Department of Natural Resources (WDNR) requirements under NR 716.14, attached is a copy of the soil vapor sampling data from the vapor probe located on your property. If there are any questions, please contact Mr. David Volkert of WDNR at 262-574-2166, Mr. Brian Riordan of Westbrook Shopping Center at 305-607-6624, or me at 262-781-0475.

Sincerely,  
KPRG and Associates, Inc.



Richard R. Gnat, P.G.  
Principal

cc: Brian Riordan, Westbrook Shopping Center  
Greg Butts, Westbrook Shopping Center  
David Volkert, WDNR

Table 1 - Summary of Soil Vapor Data for Detected Chlorinated Compounds Only - 2008 Capella Court

Sample Name		WDNR Residential VRSL		SV-5			
Parameter	Date	Sub-Slab	Deep Soil	09/30/14	12/27/14	06/25/15	03/31/16
1,1-Dichloroethene		7,000	21,000	3.3	<0.79	<0.79	NA
cis-1,2-Dichloroethene		NC	NC	<0.79	<0.79	<0.79	<0.79
trans-1,2-Dichloroethene		NC	NC	<0.79	<0.79	<0.79	<0.79
Methylene Chloride		21,000	63,000	0.94	NA	NA	NA
Tetrachloroethene		1,400	4,200	4.5	<1.4	2,700	6.07
Trichloroethene		70	210	<1.1	<1.1	120	1.73

Notes : All values in ug/m<sup>3</sup>.

VRSL - Vapor Risk Screening Level

NC - Not Calculated

**BOLD** - Result exceeds the Deep Soil VRSL

# K P R G

ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

## TRANSMITTAL LETTER

April 19, 2016

Mr. Kenneth Lex  
2157 Rambling Rose Road  
Waukesha, WI 53186

Re: Soil Vapor Sampling Data

Dear Mr. Lex:

Per our Access Agreement and Wisconsin Department of Natural Resources (WDNR) requirements under NR 716.14, attached is a copy of the soil vapor sampling data from the vapor probe located on your property. If there are any questions, please contact Mr. David Volkert of WDNR at 262-574-2166, Mr. Brian Riordan of Westbrook Shopping Center at 305-607-6624, or me at 262-781-0475.

Sincerely,  
KPRG and Associates, Inc.



Richard R. Gnat, P.G.  
Principal

cc: Brian Riordan, Westbrook Shopping Center  
Greg Butts, Westbrook Shopping Center  
David Volkert, WDNR



Table 1 - Summary of Soil Vapor Data for Detected Chlorinated Compounds Only - 2157 Rambling Rose Road

Sample Name		WDNR Residential VRSL		SV-9		
Parameter	Date	Sub-Slab	Deep Soil	12/27/14	06/25/15	03/31/16
1,1-Dichloroethene		7,000	21,000	<6.3	<0.79	NA
cis-1,2-Dichloroethene		NC	NC	180	<0.79	<0.79
trans-1,2-Dichloroethene		NC	NC	<6.3	<0.79	<0.79
Methylene Chloride		21,000	63,000	NA	NA	NA
Tetrachloroethene		1,400	4,200	<b>5,000</b>	81	5.79
Trichloroethene		70	210	91	<1.1	<1.1

Notes : All values in ug/m<sup>3</sup>.

VRSL - Vapor Risk Screening Level

NC - Not Calculated

**BOLD** - Result exceeds the Deep Soil VRSL

# K P R G

ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

## TRANSMITTAL LETTER

April 19, 2016

Ms. June Sager  
2129 Sunnyside Drive  
Waukesha, WI 53186

Re: Soil Vapor Sampling Data

Dear Ms. Sager:

Per our Access Agreement and Wisconsin Department of Natural Resources (WDNR) requirements under NR 716.14, attached is a copy of the soil vapor sampling data from the vapor probe located on your property. If there are any questions, please contact Mr. David Volkert of WDNR at 262-574-2166, Mr. Brian Riordan of Westbrook Shopping Center at 305-607-6624, or me at 262-781-0475.

Sincerely,  
KPRG and Associates, Inc.



Richard R. Gnat, P.G.  
Principal

cc: Brian Riordan, Westbrook Shopping Center  
Greg Butts, Westbrook Shopping Center  
David Volkert, WDNR

Table 1 - Summary of Soil Vapor Data for Detected Chlorinated Compounds Only - 2129 Sunnyside Drive

Sample Name		WDNR Residential VRSL		SV-6			
Parameter	Date	Sub-Slab	Deep Soil	09/30/14	12/27/14	06/25/15	03/31/16
1,1-Dichloroethene		7,000	21,000	1.3	<0.79	<0.79	NA
cis-1,2-Dichloroethene		NC	NC	<0.79	<0.79	<0.79	<0.79
trans-1,2-Dichloroethene		NC	NC	<0.79	<0.79	<0.79	<0.79
Methylene Chloride		21,000	63,000	0.8	NA	NA	NA
Tetrachloroethene		1,400	4,200	8.8	1.5	<1.4	3.69
Trichloroethene		70	210	<1.1	<1.1	<1.1	<1.1

Notes : All values in ug/m<sup>3</sup>.

VRSL - Vapor Risk Screening Level

NC - Not Calculated

**BOLD** - Result exceeds the Deep Soil VRSL

# K P R G

ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

## TRANSMITTAL LETTER

April 19, 2016

Mr. Michael Stockinger  
2151 Rambling Rose Road  
Waukesha, WI 53186

Re: Soil Vapor Sampling Data

Dear Mr. Stockinger:

Per our Access Agreement and Wisconsin Department of Natural Resources (WDNR) requirements under NR 716.14, attached is a copy of the soil vapor sampling data from the vapor probe located on your property. If there are any questions, please contact Mr. David Volkert of WDNR at 262-574-2166, Mr. Brian Riordan of Westbrook Shopping Center at 305-607-6624, or me at 262-781-0475.

Sincerely,  
KPRG and Associates, Inc.



Richard R. Gnat, P.G.  
Principal

cc: Brian Riordan, Westbrook Shopping Center  
Greg Butts, Westbrook Shopping Center  
David Volkert, WDNR

Table 1 - Summary of Soil Vapor Data for Detected Chlorinated Compounds Only - 2151 Rambling Rose Road

Sample Name		WDNR Residential VRSL		SV-10		
Parameter	Date	Sub-Slab	Deep Soil	12/27/14	06/25/15	03/31/16
1,1-Dichloroethene		7,000	21,000	<0.79	<0.79	NA
cis-1,2-Dichloroethene		NC	NC	6.3	22	<0.79
trans-1,2-Dichloroethene		NC	NC	1.3	1.3	<0.79
Methylene Chloride		21,000	63,000	NA	NA	NA
Tetrachloroethene		1,400	4,200	750	3,900	2,200
Trichloroethene		70	210	33	190	27

Notes : All values in ug/m<sup>3</sup>.

VRSL - Vapor Risk Screening Level

NC - Not Calculated

**BOLD** - Result exceeds the Deep Soil VRSL

# K P R G

ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

## TRANSMITTAL LETTER

April 19, 2016

Mr. Michael Schneider  
2156 Rambling Rose Road  
Waukesha, WI 53186

Re: Soil Vapor Sampling Data

Dear Mr. Schneider:

Per our Access Agreement and Wisconsin Department of Natural Resources (WDNR) requirements under NR 716.14, attached is a copy of the soil vapor sampling data from the vapor probe located on your property. Also included are the results from the indoor air sample collected following the installation of the sub-slab depressurization system. If there are any questions, please contact Mr. David Volkert of WDNR at 262-574-2166, Mr. Brian Riordan of Westbrook Shopping Center at 305-607-6624, or me at 262-781-0475.

Sincerely,  
KPRG and Associates, Inc.



Richard R. Gnat, P.G.  
Principal

cc: Brian Riordan, Westbrook Shopping Center  
Greg Butts, Westbrook Shopping Center  
David Volkert, WDNR

Table 1 - Summary of Soil Vapor Data for Detected Chlorinated Compounds Only - 2156 Rambling Rose Road

Sample Name		WDNR Residential VRSL		SV-13
Parameter	Date	Sub-Slab	Deep Soil	03/31/16
cis-1,2-Dichloroethene		NC	NC	<0.79
trans-1,2-Dichloroethene		NC	NC	<0.79
Tetrachloroethene		1,400	4,200	407
Trichloroethene		70	210	<1.1

Notes : All values in ug/m<sup>3</sup>.

VRSL - Vapor Risk Screening Level

NC - Not Calculated

**BOLD** - Result exceeds the Deep Soil VRSL

Table 2 - Summary of Indoor Air Data for Detected Chlorinated Compounds Only - 2156 Rambling Rose

Sample Name		WDNR Residential VAL	2156 Rambling Rose	
Parameter	Date		Indoor Air	
			12/02/15	03/31/16
1,2-Dichloroethane		1.1	<0.81	NA
cis-1,2-Dichloroethene		NS	<0.793	<0.793
trans-1,2-Dichloroethene		NS	<0.793	<0.793
Tetrachloroethene		42	5.30	4.84
Trichloroethene		2.1	<1.07	<1.07

Notes : All values in ug/m<sup>3</sup>.  
 VAL - Vapor Action Level  
 NA - Not Analyzed  
 NS - No Standard  
**BOLD** - Result exceeds the VAL



# K P R G

ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

## TRANSMITTAL LETTER

April 19, 2016

Mr. Paul Day  
City of Waukesha  
Engineering Department  
130 Delafield Street  
Waukesha, WI 53188

Re: Soil Vapor Sampling Data

Dear Mr. Day:

Per Wisconsin Department of Natural Resources (WDNR) requirements under NR 716.14, attached is a copy of the soil vapor sampling data from the vapor probes located on City property. If there are any questions, please contact Mr. David Volkert of WDNR at 262-574-2166, Mr. Brian Riordan of Westbrook Shopping Center at 305-607-6624, or me at 262-781-0475.

Sincerely,  
KPRG and Associates, Inc.



Richard R. Gnat, P.G.  
Principal

cc: Brian Riordan, Westbrook Shopping Center  
Greg Butts, Westbrook Shopping Center  
David Volkert, WDNR

Table 1 - Summary of Soil Vapor Data for Detected Chlorinated Compounds Only - City of Waukesha Right-of-Way

Sample Name		WDNR Residential VRSL		SV-7				SV-8			
Parameter	Date	Sub-Slab	Deep Soil	09/30/14	12/27/14	06/25/15	03/31/16	09/30/14	12/27/14	06/25/15	03/31/16
1,1-Dichloroethene		7,000	21,000	<20	<0.79	<0.79	NA	<7.9	<0.79	<0.79	NA
cis-1,2-Dichloroethene		NC	NC	<20	<0.79	<0.79	<0.79	<7.9	<0.79	<0.79	<0.79
trans-1,2-Dichloroethene		NC	NC	<20	<0.79	<0.79	<0.79	<7.9	<0.79	<0.79	<0.79
Tetrachloroethene		1,400	4,200	750	110	68	10.9	<14	<1.4	5.0	1.73
Trichloroethene		70	210	140	27	17	1.17	<11	<1.1	<1.1	1.36

Sample Name		WDNR Residential VRSL		SV-11			SV-12			SV-13	SV-14	SV-15
Parameter	Date	Sub-Slab	Deep Soil	12/27/14	06/25/15	03/31/16	06/25/15	07/28/15	03/31/16	03/31/16	03/31/16	03/31/16
1,1-Dichloroethene		7,000	21,000	<0.79	<0.79	NA	<3.2	< 0.79	NA	NA	NA	NA
cis-1,2-Dichloroethene		NC	NC	<0.79	<0.79	<0.79	14	15	37.2	<0.79	<0.79	<0.79
trans-1,2-Dichloroethene		NC	NC	<0.79	<0.79	<0.79	4.4	5.2	<0.79	<0.79	<0.79	<0.79
Tetrachloroethene		1,400	4,200	3.2	5.3	2.46	<b>11,000</b>	<b>27,000</b>	<b>5,370</b>	407	5.98	47.9
Trichloroethene		70	210	<1.1	<1.1	<1.1	75	140	77.1	<1.1	<1.1	<1.1

Notes : All values in ug/m<sup>3</sup>.

VRSL - Vapor Risk Screening Level

NC - Not Calculated

NA - Not Analyzed

**BOLD** - Result exceeds the Deep Soil VRSL