

SCS ENGINEERS

July 24, 2015
File No. 25214203.00

Ms. Jennifer Borski
Wisconsin Department of Natural Resources
625 East County Road Y, Suite 700
Oshkosh, WI 54901

Subject: Summary of Post-Mitigation Vapor Intrusion Assessment
Donaldson's One Hour Cleaners
110 West Cecil Street, Neenah, Wisconsin
BRRTS #02-71-110797

Dear Ms. Borski:

SCS Engineers (SCS) is providing the following summary for a second round of post-mitigation vapor intrusion assessment sampling/testing performed in June 2015 for the Donaldson's One Hour Cleaners, 110 West Cecil Street, Neenah, Wisconsin. The first round of post-mitigation sampling was performed in March 2015 and results were reported to the Wisconsin Department of Natural Resources (WDNR) in a letter dated April 1, 2015.

Results from the second round of post-mitigation sampling are consistent with the first round and indicate that the sub-slab depressurization system (SSDS) installed in the site building is functioning as intended. Based on these findings, we request that no further vapor assessment be required.

METHODS

SCS performed sub-slab, indoor air, and outdoor (background) air sampling on June 24-25, 2015. Shut-in and water dam leak tests were performed prior to sub-slab sample collection, and all sub-slab samples were collected over a 30-minute time period. All indoor and background air samples were collected over a 24-hour time period. Sampling for each property is summarized below, and sample locations are shown on **Figure 1**.

110A West Cecil Street – The Village Clippers

- Sampled indoor air at locations IA-2 and IA-10
- Sampled background air at location OA-7

112 West Cecil Street – All Sport Trophy & Engraving

- Sampled indoor air at location IA-1

905 South Commercial Street – Cranky Pat's Pizzeria & Pub

- Sampled indoor air at locations IA-6, IA-7, and IA-8



- Sampled background air at location OA-8
- Sampled sub-slab probe SSV-6
- Installed and sampled sub-slab probe SSV-8R5
- Abandoned probe SSV-8R5

Photos from each sample location, except for the indoor air sample location at All Sport Trophy & Engraving, are included in **Attachment A**. The June 2015 sample was collected from the same location as previous samples. Field and laboratory chain of custody forms, and sketches of sample locations are included in **Attachment B**.

SCS transported all samples to the Wisconsin State Laboratory of Hygiene for volatile organic compound (VOC) analysis via method TO-15. Samples were analyzed for tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), and vinyl chloride. Laboratory reports are included in **Attachment C**.

FINDINGS

Recent and historical analytical results for the June 2015 samples are provided in **Tables 1** and **2**. The June 2015 sampling results are summarized below:

The Village Clippers

- TCE and/or PCE were detected in indoor air samples, but the concentrations do not exceed the Vapor Action Levels (VALs) for non-residential settings.
- PCE was detected in the nearest background air sample (OA-7), but the concentration does not exceed the VAL for non-residential settings.
- No other VOCs were detected in the samples.

All Sport Trophy & Engraving

- PCE was detected in the indoor air sample, but the concentration does not exceed the VAL for non-residential settings.
- PCE was detected in the nearest background air sample (OA-7), but the concentration does not exceed the VAL for non-residential settings.
- No other VOCs were detected in the samples.

Cranky Pat's Pizzeria & Pub

- PCE was detected in sub-slab samples, but the concentrations do not exceed Vapor Risk Screening Levels (VRSLs) for non-residential settings.

- PCE was detected in indoor air samples, but the concentrations do not exceed the VAL for non-residential settings.
- Cis-1,2-DCE was detected in one indoor air sample. This chemical does not have a VAL.
- PCE was detected in the background air sample, but the concentration does not exceed the VAL for non-residential settings.
- No other VOCs were detected in the samples.

In summary, VOCs were not detected in any of the June 2015 samples at levels in excess of non-residential indoor air or sub-slab standards. These results are consistent with the previous post-mitigation sampling conducted in March 2015 and indicate that the building SSDS is functioning as intended. Based on these findings, we request that no further vapor assessment be required.

Please feel free to contact me at 608-216-7329 if you have any questions regarding this letter.

Sincerely,



Robert Langdon
Senior Project Manager
SCS ENGINEERS

REL/lmh/SLC

cc: Brett Donaldson, Donaldson's One Hour Cleaners (e-copy)
Don Gallo, Whyte Hirschboeck Dudek S.C. (e-copy)
Michelle Williams, Whyte Hirschboeck Dudek S.C. (e-copy)

Attachments: Table 1 – Sub-Slab Vapor Analytical Results Summary (Non-Residential)
Table 2 – Ambient Air Analytical Results Summary (Non-Residential)
Figure 1 – Vapor Intrusion Sample Locations
Attachment A – Photos
Attachment B – Field and Laboratory Chain of Custody Forms
Attachment C – Laboratory Reports
Attachment D – Summary of Post-Mitigation Vapor Intrusion Assessment
Electronic Copy on CD

TABLES

- 1 Sub-Slab Vapor Analytical Results Summary (Non-Residential)
- 2 Ambient Air Analytical Results Summary (Non-Residential)

Table 1. Sub-Slab Vapor Analytical Results Summary - Non-Residential
Donaldson's One Hour Cleaners, Neenah, Wisconsin / SCS Engineers Project #25214203.00
 (Results are in ppbv)

Sample	Location	Date	Lab Notes	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
SSV-1	112 West Cecil Street - All Sport Trophy, Backroom	12/19/2013	--	7.8	<0.085	<0.085	<0.085	<0.085
SSV-2	110-A West Cecil Street - Village Clippers, Hallway	12/19/2013	--	13	<0.43	<0.43	<0.43	<0.43
		3/14/2014	--	22	<2.1	<2.1	<2.1	<2.1
		6/30/2014	--	22	0.21 F	<0.085	<0.085	<0.085
SSV-3	110 West Cecil Street - Donaldson's	12/19/2013	--	380	<300	<300	<300	<300
		3/14/2014	--	2,800	<130	<130	<130	<130
		6/30/2014	--	8,500	210 F	<130	<130	<130
SSV-6	905 South Commercial Street - Cranky Pat's, Bar Area	12/19/2013	(1)	1.3 F	<0.43	<0.43	<0.43	<0.43
		3/14/2014	--	0.88 F	<0.43	<0.43	<0.43	<0.43
		6/30/2014	--	1.7	<0.43	<0.43	<0.43	<0.43
		3/4/2015	--	21	<2.1	<2.1	<2.1	<2.1
		6/25/2015	--	2.0	<0.085	<0.085	<0.085	<0.085
SSV-8R	905 South Commercial Street - Cranky Pat's, Basement	12/19/2013	--	250	6.1 F	9.2	<2.1	<2.1
SSV-8RR	905 South Commercial Street - Cranky Pat's, Basement	3/14/3014	--	140	4.7 F	<2.1	<2.1	<2.1
SSV-8RRR	905 South Commercial Street - Cranky Pat's, Basement	6/30/2014	--	850	34	32	<2.1	<2.1
SSV-8RRRR	905 South Commercial Street - Cranky Pat's, Basement	3/4/2015	--	220	5.7 F	<2.1	<2.1	<2.1
SSV-8-R5	110 West Cecil Street - Donaldson's	6/25/2015	--	260	<0.043	<0.043	<0.043	<0.043
SSV-10	110-A West Cecil Street - Village Clippers, Back Room	12/19/2013	--	23	<2.1	<2.1	<2.1	<2.1
		3/14/2014	--	21	<0.43	<0.43	<0.43	<0.43
		6/30/2014	--	73	1.3	<0.085	<0.085	<0.085
Vapor Risk Screening Level (Non-Residential)				900	53	NE	NE	367

Abbreviations:

ppbv = parts per billion by volume
 cis-1,2-DCE = cis-1,2-dichloroethene
 -- = not applicable

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

TCE = trichloroethene
 NE = not established

**Table 1. Sub-Slab Vapor Analytical Results Summary - Non-Residential
Donaldson's One Hour Cleaners, Neenah, Wisconsin / SCS Engineers Project #25214203.00**

Notes:

1. Samples were collected in 6-liter summa canisters over a 30-minute period and analyzed using the USEPA TO-15 analytical method.
2. Vapor Risk Screening Levels are Indoor Air Vapor Action Levels divided by Attenuation Factor of 0.03 for small commercial buildings.
3. Indoor Air Vapor Action Levels from Wisconsin Department of Natural Resources Quick Look-up Table dated June 2015.
4. **Values** meet or exceed Vapor Risk Screening Levels for Non-Residential settings.

Lab Notes:

F next to result = Result is between level of detection and level of quantification.

(1) Vinyl chloride; trans-1,2-dichloroethene; cis-1,2-dichloroethene; and trichloroethene - The LOD is not achievable due to dilution.

Created by: <u>LMH</u>	Date: <u>1/22/2014</u>
Last revision by: <u>TLC</u>	Date: <u>7/7/2015</u>
Checked by: <u>REL</u>	Date: <u>7/7/2015</u>

I:\25214203\Data\Tables\Old\[Donaldsons__Sub-Slab_Results_Non-Residential.xls]Sub-Slab Results

Table 2. Ambient Air Analytical Results Summary - Non-Residential
Donaldson's One Hour Cleaners, Neenah, Wisconsin / SCS Engineers Project #25214203.00
 (Results are in ppbv)

Sample	Location	Date	Lab Notes	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
IA-1	112 West Cecil Street - All Sport Trophy, Backroom	12/18/2013	(1)	0.78	<0.085	<0.085	<0.085	<0.085
		3/3/2015	--	0.65	<0.085	<0.085	<0.085	<0.085
		6/24/2015	--	3.5	<0.085	<0.085	<0.085	<0.085
IA-2	110-A West Cecil Street - Village Clippers, Hallway	12/18/2013	(2)	0.96 F	<0.43	<0.43	<0.43	<0.43
		3/3/2015	--	0.67	<0.085	<0.085	<0.085	<0.085
		6/24/2015	--	3.5	<0.085	<0.085	<0.085	<0.085
IA-6	905 South Commercial Street - Cranky Pat's, Dining Room/Stage	12/18/2013	--	0.52	<0.085	<0.085	<0.085	<0.085
		3/3/2015	--	0.34	<0.085	<0.085	<0.085	<0.085
		6/24/2015	--	0.49	<0.085	<0.085	<0.085	<0.085
IA-7	905 South Commercial Street - Cranky Pat's, Hallway/Kitchen Area	12/18/2013	(1)	1.8	<0.085	<0.085	<0.085	<0.085
		3/3/2015	--	0.77	<0.085	<0.085	<0.085	<0.085
		6/24/2015	--	3.3	<0.085	0.090 F	<0.085	<0.085
IA-8	905 South Commercial Street - Cranky Pat's, Basement	12/18/2013	(2)	11	<2.1	<2.1	<2.1	<2.1
		3/3/2015	(3)	12	0.16 F	0.27 F	<0.085	<0.085
		6/24/2015	--	1.9	<0.085	<0.085	<0.085	<0.085
IA-10	110-A West Cecil Street - Village Clippers, Waiting Room	12/18/2013	--	0.99 F	<0.43	<0.43	<0.43	<0.43
		3/3/2015	--	0.60	<0.085	<0.085	<0.085	<0.085
		6/24/2015	--	11	0.14 F	<0.085	<0.085	<0.085
OA-7	110 West Cecil Street - Donaldson's Outdoor Background	12/18/2013	--	0.37	<0.085	<0.085	<0.085	<0.085
		3/3/2015	(4)	<0.085	<0.085	<0.085	<0.085	<0.085
		6/24/2015	--	0.14 F	<0.085	<0.085	<0.085	<0.085

Table 2. Ambient Air Analytical Results Summary - Non-Residential
Donaldson's One Hour Cleaners, Neenah, Wisconsin / SCS Engineers Project #25214203.00
 (Results are in ppbv)

Sample	Location	Date	Lab Notes	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
OA-8	905 South Commercial Street - Cranky Pat's, Outdoor Background	12/18/2013	--	3.0	<0.085	<0.085	<0.085	<0.085
		3/3/2015	(3)	<0.085	<0.085	<0.085	<0.085	<0.085
		6/24/2015	--	0.38	<0.085	<0.085	<0.085	<0.085
Indoor Air Vapor Action Level (Non-Residential)				27	1.6	NE	NE	11

Abbreviations:

ppbv = parts per billion by volume
 cis-1,2-DCE = cis-1,2-dichloroethene

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

TCE = trichloroethene
 NE = not established

Notes:

1. Samples were collected in 6-liter summa canisters over a 24-hour period and analyzed using the USEPA TO-15 analytical method.
2. Indoor Air Vapor Action Levels from Wisconsin Department of Natural Resources Quick Look-up Table dated June 2015.
3. **0.38** values meet or exceed Indoor Air Vapor Action Levels for Non-Residential settings.

Lab Notes:

F next to result = Result is between level of detection and level of quantification.

- (1) Tetrachloroethene - The internal standard QC limit is exceeded.
- (2) Vinyl chloride; trans-1,2-dichloroethene; cis-1,2-dichloroethene; and trichloroethene - The LOD is not achievable due to dilution.
- (3) All analytes - The internal standard QC limit is exceeded.
- (4) Vinyl chloride, trans-1,2-dichloroethene, and cis-1,2-dichloroethene - The internal standard QC limit is exceeded.

Created by: LMH
 Last revision by: TLC
 Checked by: REL

Date: 1/22/2014
 Date: 7/7/2015
 Date: 7/7/2015

I:\25214203\Data\Tables\Old\[Donaldsons_Ambient_Air_Results_Non-Residential.xls]Ambient Air Results

FIGURE 1

Vapor Intrusion Sample Locations

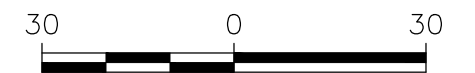


LEGEND

- OUTDOOR AIR LOCATION (OA)
- ▲ INDOOR AIR LOCATION (IA)
- SUB-SLAB VAPOR LOCATION (SSV)

NOTE:

SAMPLE LOCATIONS ARE APPROXIMATE.



SCALE: 1" = 30'

PROJECT NO. 25214203.00	DRAWN BY: AHB/BJM	<p>2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830</p>	CLIENT	DONALDSON'S ONE HOUR CLEANERS 110 WEST CECIL ST. NEENAH, WISCONSIN	SITE	DONALDSON'S ONE HOUR CLEANERS 110 WEST CECIL ST. NEENAH, WISCONSIN	VAPOR INTRUSION SAMPLE LOCATIONS	FIGURE
DRAWN: 01/27/14	CHECKED BY: REL							1
REVISED: 03/27/15	APPROVED BY: REL 7/21/15							

ATTACHMENT A

Photos

**Donaldson's One Hour Cleaners
Neenah, Wisconsin
SCS Engineers Project #25214203.00
June 24-25, 2015**



Photo 1: Village Clippers Indoor Air Sample IA-2 (Hallway)



Photo 2: Village Clippers Indoor Air Sample IA-10 (Waiting Room)

**Donaldson's One Hour Cleaners
Neenah, Wisconsin
SCS Engineers Project #25214203.00
June 24-25, 2015**



Photo 3: Donaldson's Outdoor Air Background Sample OA-7



Photo 4: Cranky Pat's Indoor Air Sample IA-6 (Dining Room-Stage)

**Donaldson's One Hour Cleaners
Neenah, Wisconsin
SCS Engineers Project #25214203.00
June 24-25, 2015**



Photo 5: Cranky Pat's Indoor Air Sample IA-7 (Hallway-Kitchen Area)



Photo 6: Cranky Pat's Indoor Air Sample IA-8 (Basement)

**Donaldson's One Hour Cleaners
Neenah, Wisconsin
SCS Engineers Project #25214203.00
June 24-25, 2015**

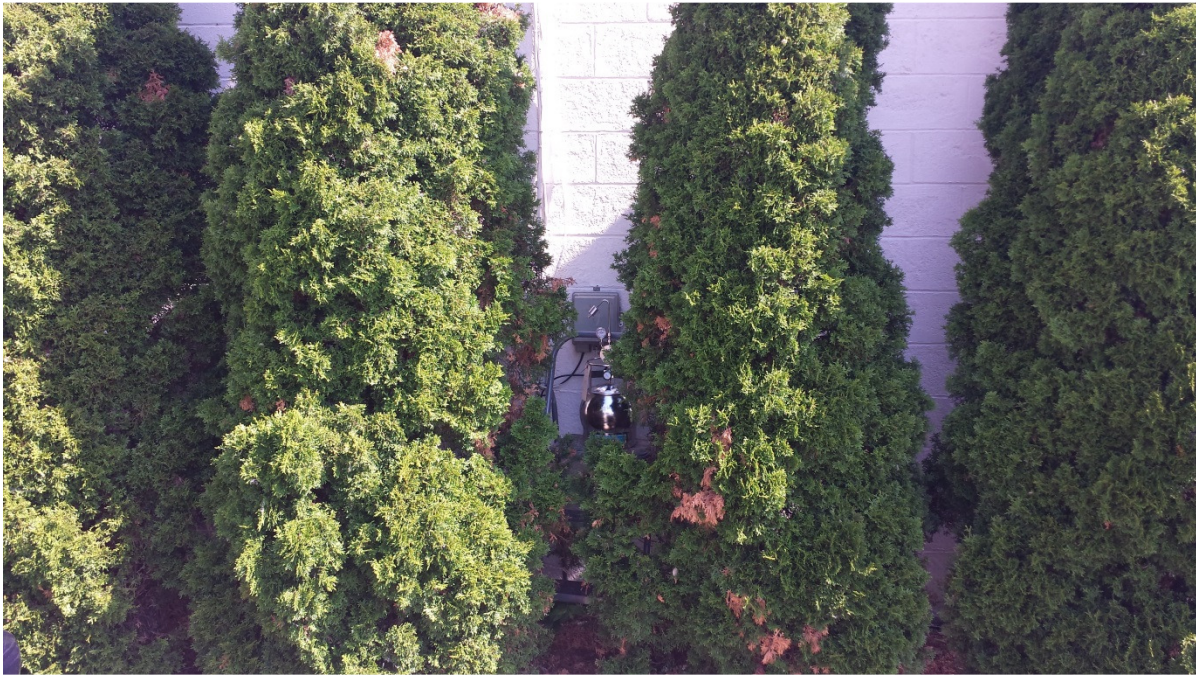


Photo 7: Cranky Pat's Outdoor Air Background Sample OA-8

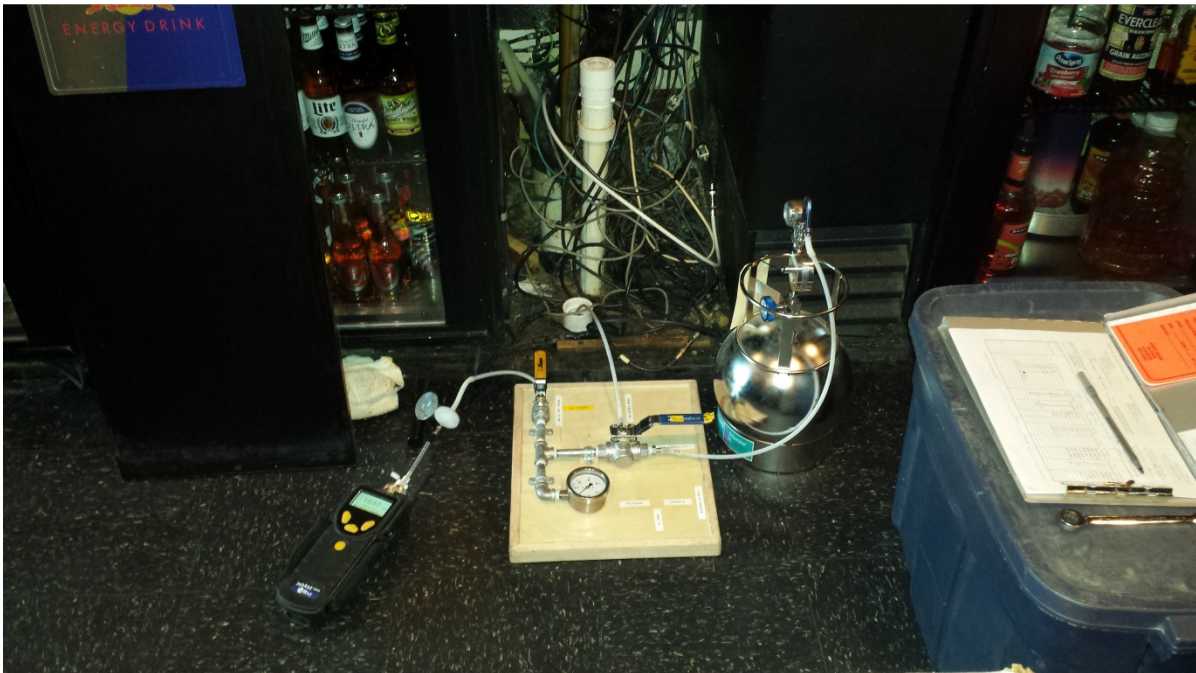


Photo 8: Cranky Pat's Sub-Slab Sample SV-6 (Bar Area)

**Donaldson's One Hour Cleaners
Neenah, Wisconsin
SCS Engineers Project #25214203.00
June 24-25, 2015**



Photo 9: Cranky Pat's Sub-Slab Sample SV8R5 (Basement)



Photo 10: SSV-8R5 Abandonment

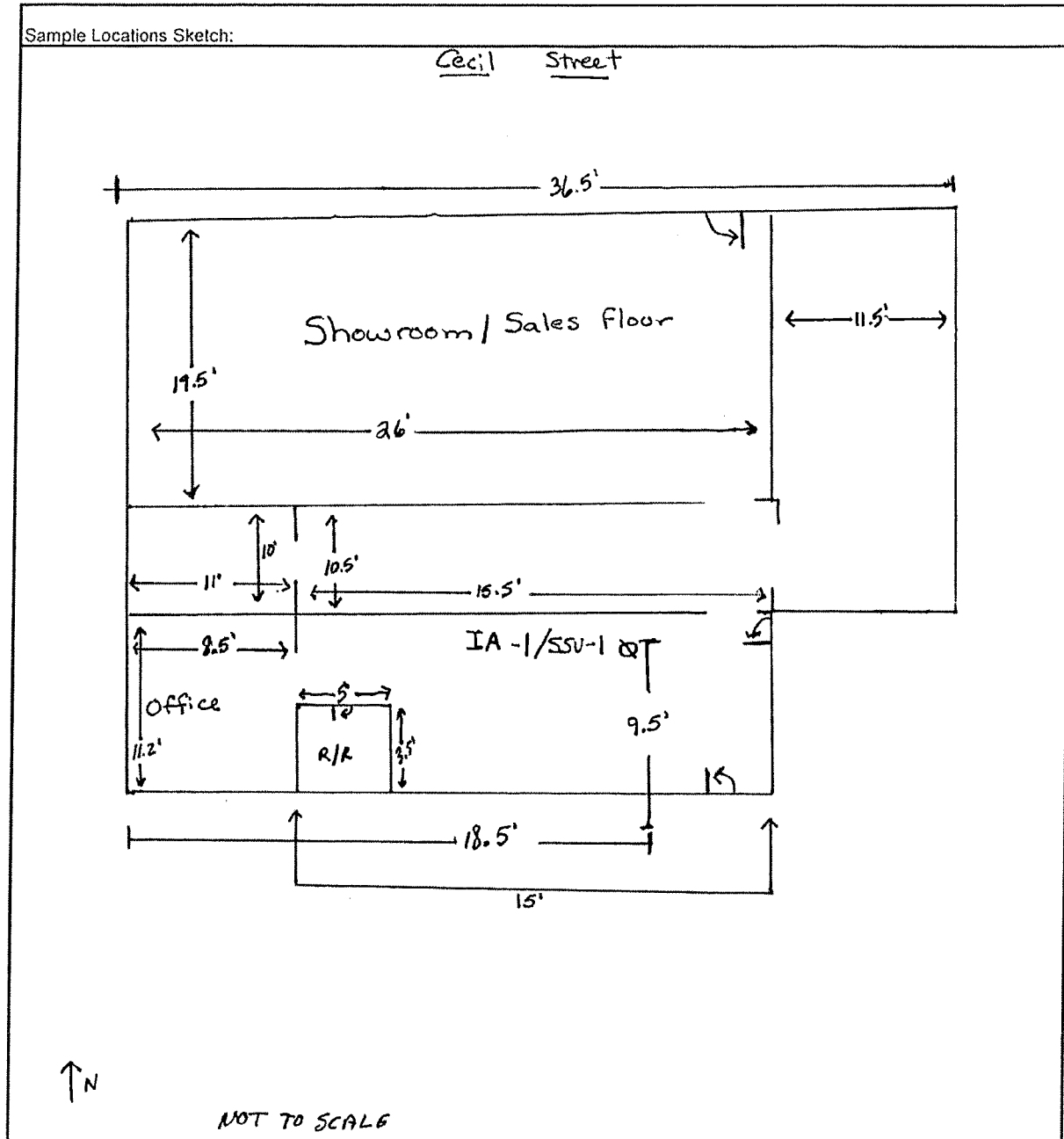
ATTACHMENT B

Field and Laboratory Chain of Custody Forms

Project No.: 4754-004
Date: 6-11-13

IA-1
+
Sample Location/ID: SSV-1 (All Sport Trophy Shop)

Sample Locations Sketch:

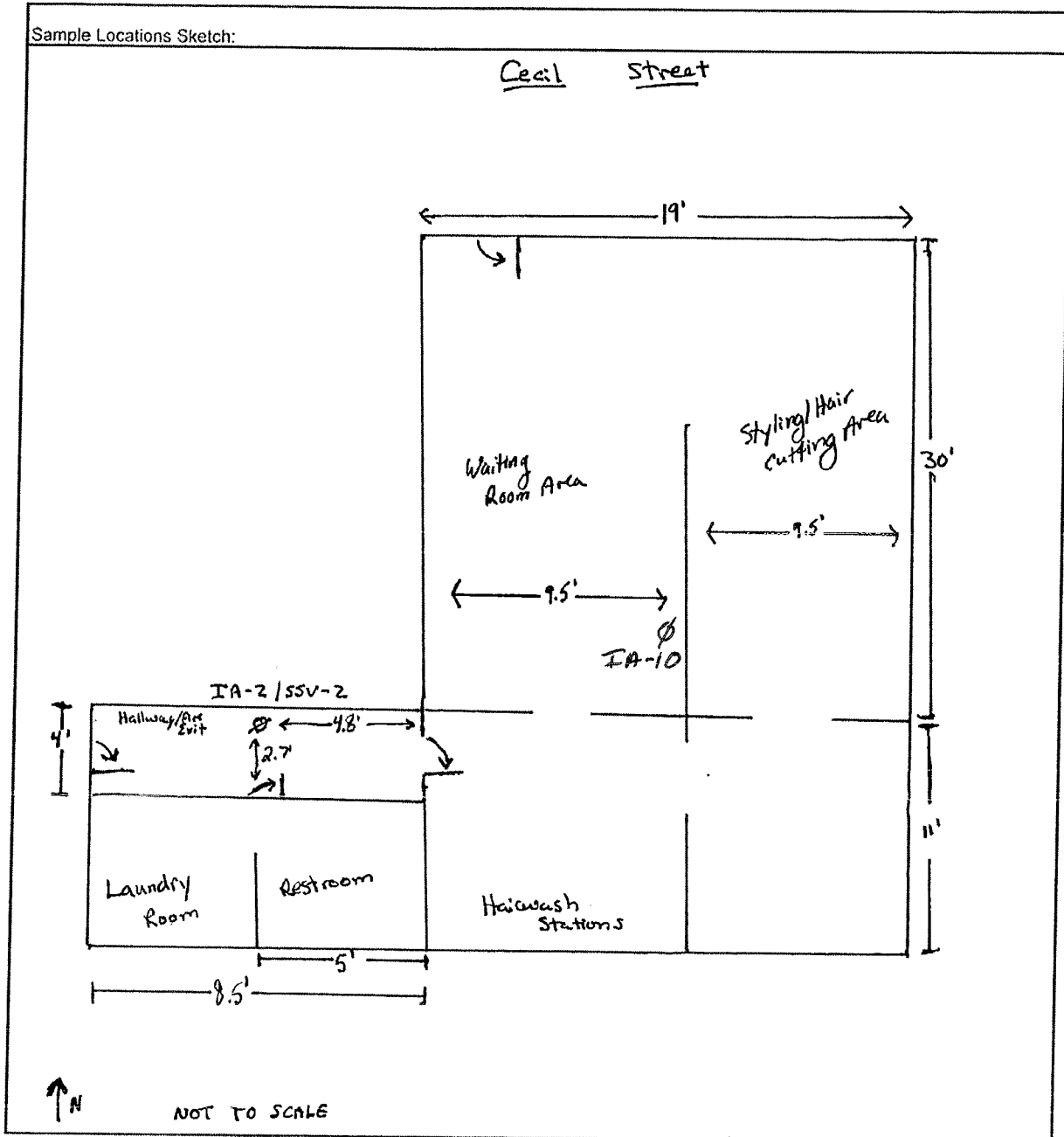


Map from Robert E Lee Vapor Intrusion Results letter dated July 24, 2013.
Modified by SCS Engineers to show current sample locations.

Project No.: 4764-004
Date: 6-11-13

IA-2
+
Sample Location/ID: SSV-2 / Village Clippers

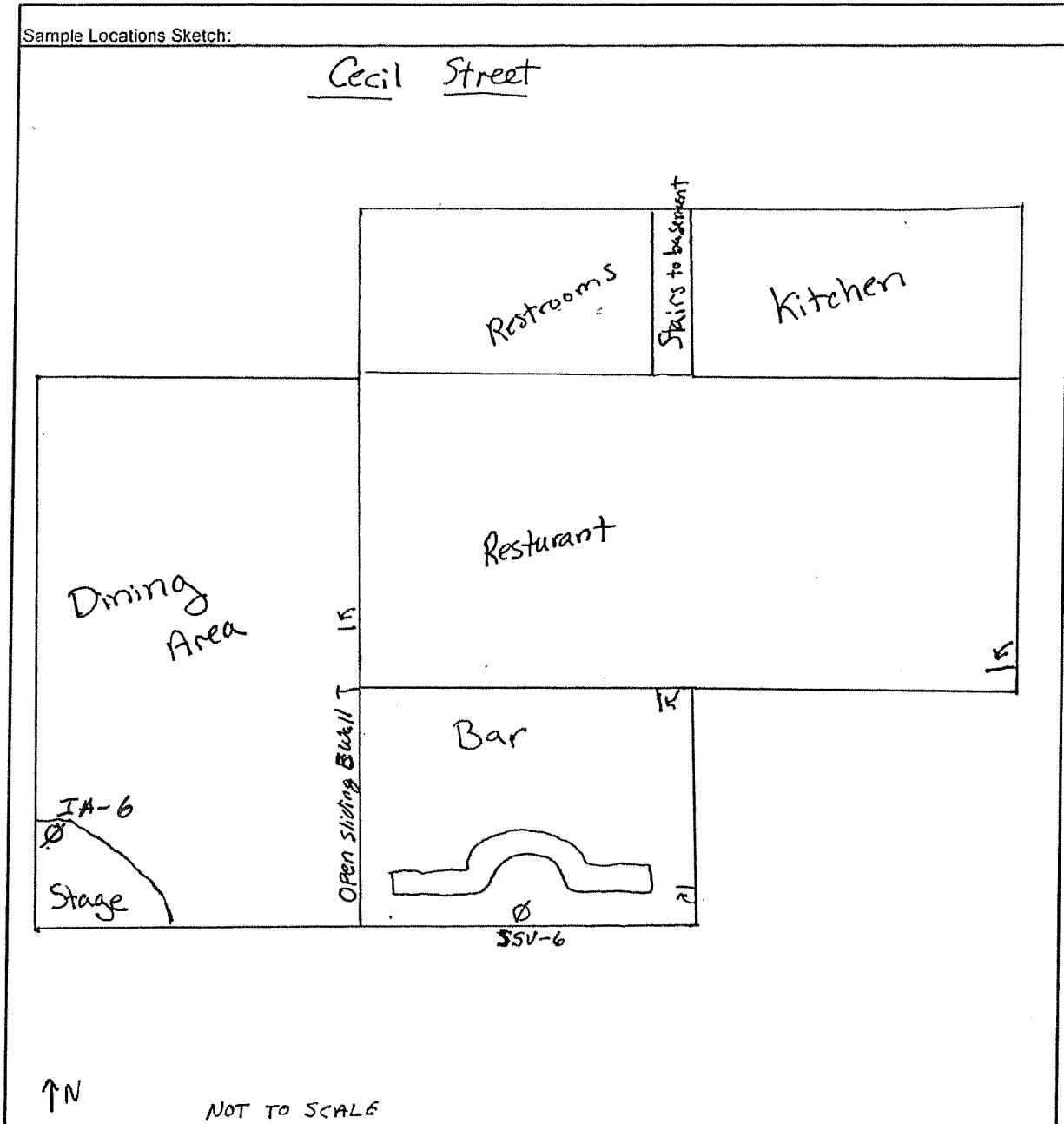
Sample Locations Sketch:



Map from Robert E Lee Vapor Intrusion Results letter dated July 24, 2013.
Modified by SCS Engineers to show current sample locations.

Project No.: 4754-004
Date: 6-17-13

Sample Location/ID: IA-6/SSV-6

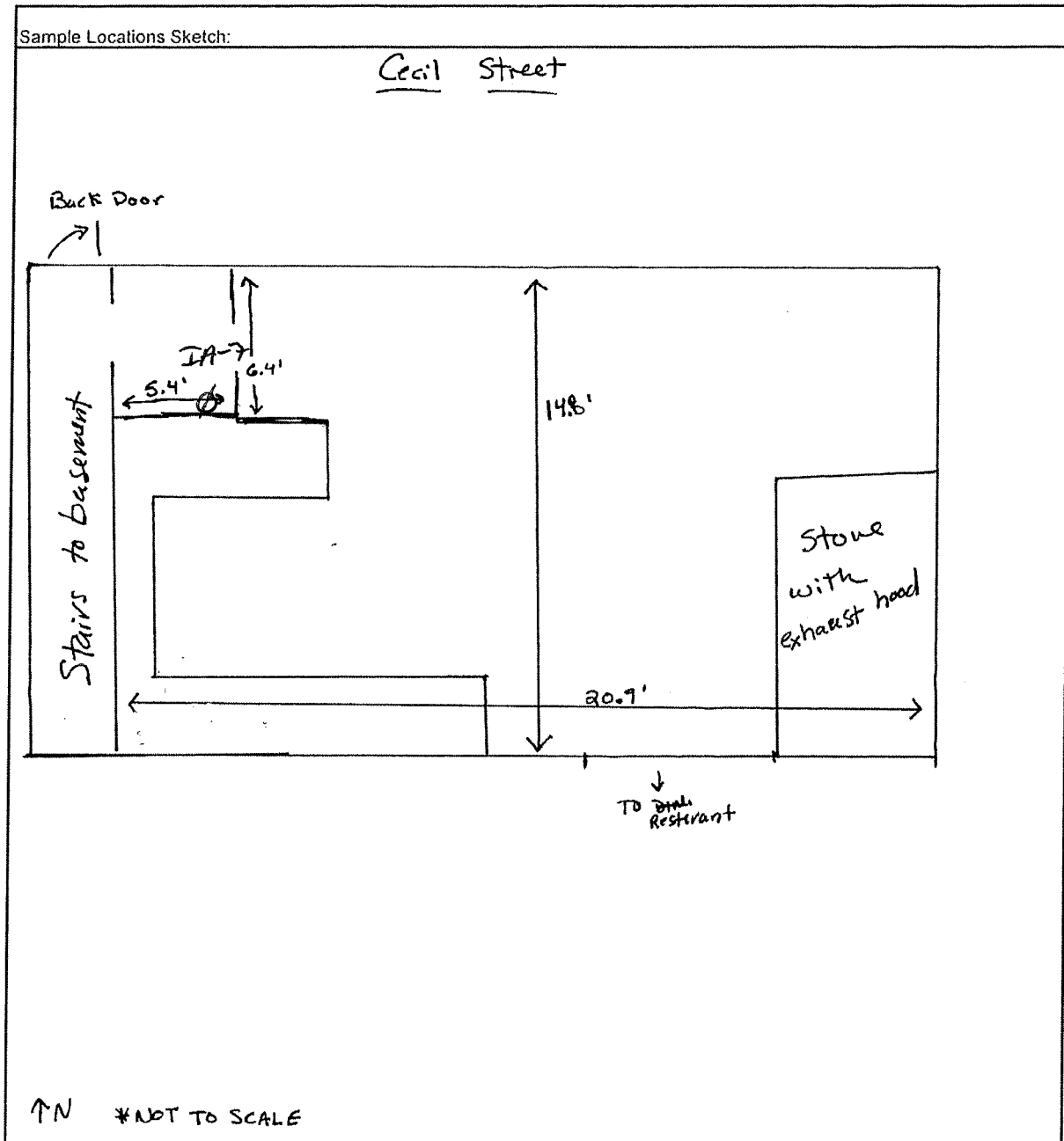


Map from Robert E Lee Vapor Intrusion Results letter dated July 24, 2013.
Modified by SCS Engineers to show current sample locations.

Project No.: 4754-004
Date: 6-17-13

Sample Location/ID: IA-7

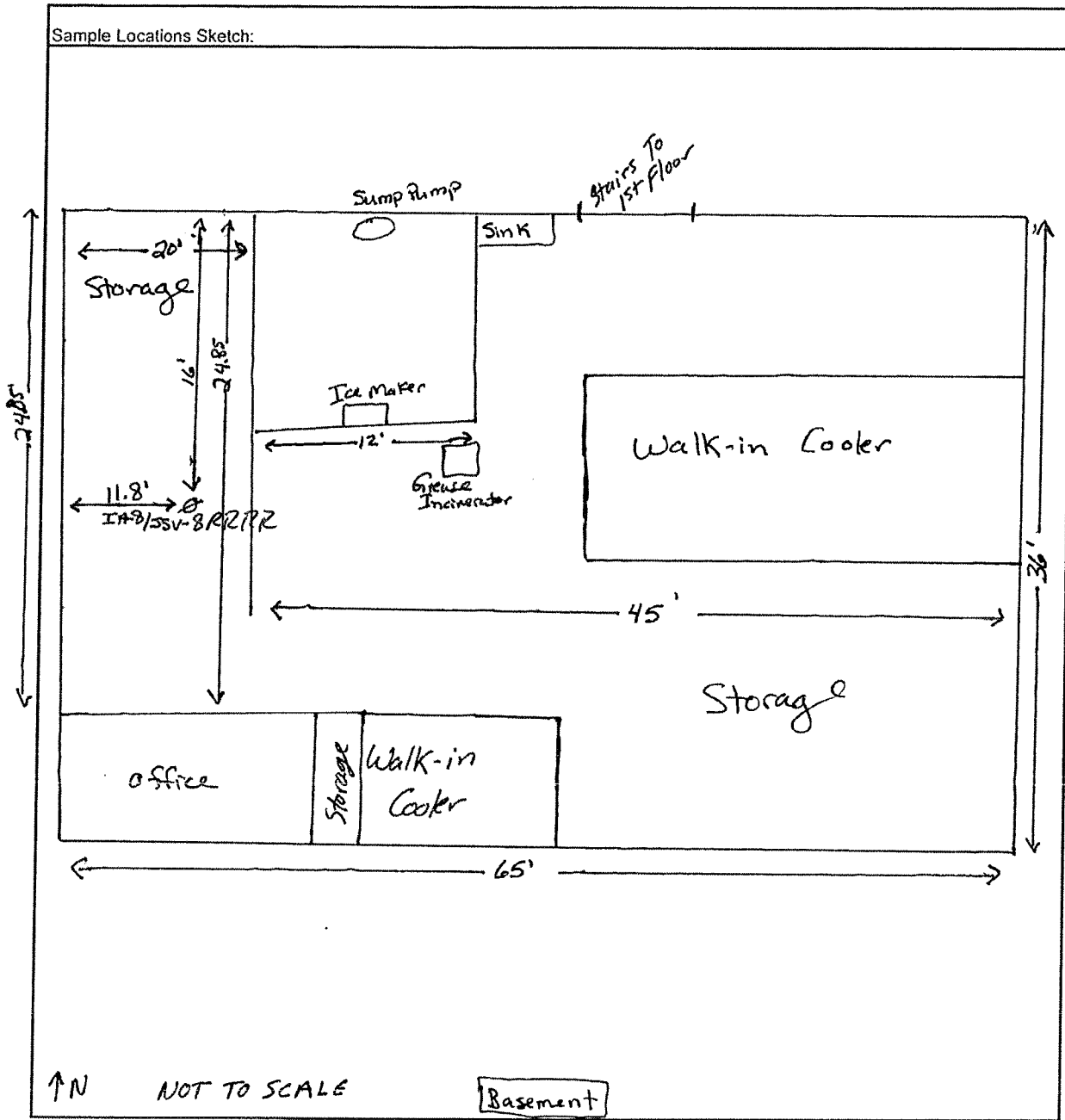
Sample Locations Sketch:



Project No.: 4754-004
Date: 6/17/13

Sample Location/ID: IA-8/SSV-8

Sample Locations Sketch:



Map from Robert E Lee Vapor Intrusion Results letter dated July 24, 2013.
Modified by SCS Engineers to show current sample locations.

Vapor Assessment Sample Collection Log

PROJECT: Donaldson's IHR Clean	SAMPLE ID: IA-1	TYPE (Circle One)*: SB (IA) OA
PROJECT #: 25214203.00	SAMPLE INTAKE HEIGHT: ~3'	NA for SB
LOCATION: Neenah, WI	APPROX PURGE VOLUME: NA	NA for IA and OA
SAMPLER: S. Smith	APPROX SAMPLING DEPTH: NA	NA for IA and OA
EQUIPMENT: Summa can, flow controller, ppb RAE PFD		

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/ppb)
6/29/15	1000	-2.8	—	—	—	—	0.0
6/25/15	1000	-3.5	—	—	—	—	—

Summa Canister Information:

Canister Size:	1L	(6L)
Canister ID#	DH-015	
Flow Controller ID#	05555	

Sub-Slab Water Dam Test:

Test Passed:	Yes	No
(NA) - FOR AMBIENT AIR SAMPLES		

General Notes/Observations:

Abbreviations:

NA = Not Applicable
 SB = Sub-Slab
 IA = Indoor Air
 OA = Outdoor Air

Vapor Assessment Sample Collection Log

PROJECT: Donaldson's IHR Clean	SAMPLE ID: IA-2	TYPE (Circle One)*: SB <input checked="" type="radio"/> OA
PROJECT #: 25214203.00	SAMPLE INTAKE HEIGHT: ~3'	NA for SB
LOCATION: Neenah, WI	APPROX PURGE VOLUME: NA	NA for IA and OA
SAMPLER: S. Smith	APPROX SAMPLING DEPTH: NA	NA for IA and OA
EQUIPMENT: Summa can, flow controller, ppb RAE PID		

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/ppb)
6/24/15	1003	-26.5	—	—	—	—	34.0
6/25/15	1003	-1	—	—	—	—	—

Summa Canister Information:

Canister Size:	1L	<input checked="" type="radio"/> 6L
Canister ID#	ESS-6024	
Flow Controller ID#	5585	

Sub-Slab Water Dam Test:

Test Passed:	Yes	No
<input checked="" type="radio"/> NA - FOR AMBIENT AIR SAMPLES		

General Notes/Observations:

Abbreviations:

NA = Not Applicable
 SB = Sub-Slab
 IA = Indoor Air
 OA = Outdoor Air

Vapor Assessment Sample Collection Log

PROJECT: Donaldson's 1 HR Clean	SAMPLE ID: IA-6	TYPE (Circle One)*: SB (IA) OA
PROJECT #: 25214203.00	SAMPLE INTAKE HEIGHT: ~3'	NA for SB
LOCATION: Neenah, WI	APPROX PURGE VOLUME: NA	NA for IA and OA
SAMPLER: S. Smith	APPROX SAMPLING DEPTH: NA	NA for IA and OA
EQUIPMENT: Summa can, flow controller, ppbRAE PID		

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/ppb)
6/24/15	0907	-27	-	-	-	-	0.0
6/25/15	0907	-1.5	-	-	-	-	-

Summa Canister Information:

Canister Size:	1L	(6L)
Canister ID#	DH-009	
Flow Controller ID#	5348	

Sub-Slab Water Dam Test:

Test Passed:	Yes	No
(NA) FOR AMBIENT AIR SAMPLES		

General Notes/Observations:

Abbreviations:

NA = Not Applicable
 SB = Sub-Slab
 IA = Indoor Air
 OA = Outdoor Air

Vapor Assessment Sample Collection Log

PROJECT: Donaldson's IHR Clean	SAMPLE ID: IA-7	TYPE (Circle One)*: SB (IA) OA
PROJECT #: 2521A203.00	SAMPLE INTAKE HEIGHT: ~3'	NA for SB
LOCATION: Neenah, WI	APPROX PURGE VOLUME: NA	NA for IA and OA
SAMPLER: S. Smith	APPROX SAMPLING DEPTH: NA	NA for IA and OA
EQUIPMENT: Summa can, flow controller, ppb RAE PID		

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/ppb)
6/24/15	0911	-27	—	—	—	—	0.0
6/25/15	0911	-4	—	—	—	—	—

Summa Canister Information:

Canister Size:	1L	(6L)
Canister ID#	ESS-6054	
Flow Controller ID#	5478	

Sub-Slab Water Dam Test:

Test Passed:	Yes	No
(NA) - FOR AMBIENT AIR SAMPLES		

General Notes/Observations:

Abbreviations:

NA = Not Applicable
 SB = Sub-Slab
 IA = Indoor Air
 OA = Outdoor Air

Vapor Assessment Sample Collection Log

PROJECT: Donaldson's IHR Clean	SAMPLE ID: IA-8	TYPE (Circle One)*: SB <input checked="" type="radio"/> OA
PROJECT #: 25214203.00	SAMPLE INTAKE HEIGHT: ~ 3'	NA for SB
LOCATION: Neenah, WI	APPROX PURGE VOLUME: NA	NA for IA and OA
SAMPLER: S. Smith	APPROX SAMPLING DEPTH: NA	NA for IA and OA
EQUIPMENT: Summa can, flow controller, ppbRAE PID		

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/ppb)
6/24/15	0914	-26	—	—	—	—	0.0
6/25/15	0914	0	—	—	—	—	—

Summa Canister Information:

Canister Size:	1L	<input checked="" type="radio"/> 6L
Canister ID#	ESS-6030	
Flow Controller ID#	5586	

Sub-Slab Water Dam Test:

Test Passed:	Yes	No
<input checked="" type="radio"/> NA - FOR AMBIENT AIR SAMPLES		

General Notes/Observations:

Abbreviations:

NA = Not Applicable
 SB = Sub-Slab
 IA = Indoor Air
 OA = Outdoor Air

Vapor Assessment Sample Collection Log

PROJECT: Donaldson's 1 HR Clean	SAMPLE ID: IA-10	TYPE (Circle One)*: SB <input checked="" type="radio"/> OA
PROJECT #: 2521A203.00	SAMPLE INTAKE HEIGHT: ~3'	NA for SB
LOCATION: Neenah, WI	APPROX PURGE VOLUME: NA	NA for IA and OA
SAMPLER: S. Smith	APPROX SAMPLING DEPTH: NA	NA for IA and OA
EQUIPMENT: Summa can, flow controller, ppbRAE PID		

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/ppb)
6/24/15	1010	-27	—	—	—	—	35.0
6/25/15	1010	-1.5	—	—	—	—	—

Summa Canister Information:

Canister Size:	1L	<input checked="" type="radio"/> 6L
Canister ID#	E55-6059	
Flow Controller ID#	2278	

Sub-Slab Water Dam Test:

Test Passed:	Yes	No
<input checked="" type="radio"/> NA - FOR AMBIENT AIR SAMPLES		

General Notes/Observations:

Abbreviations:

NA = Not Applicable
 SB = Sub-Slab
 IA = Indoor Air
 OA = Outdoor Air

Vapor Assessment Sample Collection Log

PROJECT: Donaldson's IHR Clean	SAMPLE ID: OA-7	TYPE (Circle One)*: SB IA OA
PROJECT #: 2521A203.00	SAMPLE INTAKE HEIGHT: ~3'	NA for SB
LOCATION: Neenah, WI	APPROX PURGE VOLUME: NA	NA for IA and OA
SAMPLER: S. Smith	APPROX SAMPLING DEPTH: NA	NA for IA and OA
EQUIPMENT: Summa can, flow controller, ppbRAE PID		

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/ppb)
6/24/15	1015	-2.6	—	—	—	—	0.0
6/25/15	1015	-1.5	—	—	—	—	—

Summa Canister Information:

Canister Size:	1L	6L
Canister ID#	L55-6020	
Flow Controller ID#	5477	

Sub-Slab Water Dam Test:

Test Passed:	Yes	No
NA - FOR AMBIENT AIR SAMPLES		

General Notes/Observations:

Abbreviations:

NA = Not Applicable
 SB = Sub-Slab
 IA = Indoor Air
 OA = Outdoor Air

Vapor Assessment
Sample Collection Log

PROJECT: Donaldson's 1 HR Clean	SAMPLE ID: OA-8	TYPE (Circle One)*: SB IA OA
PROJECT #: 2521A203.00	SAMPLE INTAKE HEIGHT: ~3'	NA for SB
LOCATION: Neenah, WI	APPROX PURGE VOLUME: NA	NA for IA and OA
SAMPLER: S. Smith	APPROX SAMPLING DEPTH: NA	NA for IA and OA
EQUIPMENT: Summa can, flow controller, ppbRAE PID		

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/ppb)
6/24/15	0932	-2.6	—	—	—	—	0.0
6/25/15	0932	-3.5	—	—	—	—	—

Summa Canister Information:

Sub-Slab Water Dam Test:

Canister Size:	1L	6L
Canister ID#	ESS-6011	
Flow Controller ID#	05556	

Test Passed:	Yes	No
NA - FOR AMBIENT AIR SAMPLES		

General Notes/Observations:

Abbreviations:

- NA = Not Applicable
- SB = Sub-Slab
- IA = Indoor Air
- OA = Outdoor Air

Vapor Assessment Sample Collection Log

PROJECT: Donaldson's IHR Cleanup	SAMPLE ID: SSV-6	TYPE (Circle One)*: <input checked="" type="radio"/> SB <input type="radio"/> IA <input type="radio"/> OA
PROJECT #: 2521A203.00	SAMPLE INTAKE HEIGHT: NA	NA for SB
LOCATION: Neenah, WI	APPROX PURGE VOLUME: 3.5 L	NA for IA and OA
SAMPLER: S. Smith	APPROX SAMPLING DEPTH: 4.6"	NA for IA and OA
EQUIPMENT: Summa can, flow controller, ppb RAE PID, sampling manifold		

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/ <u>ppb</u>)
6/25/15	0900	-27.5	—	—	—	—	4113
6/25/15	0930	-0.5	—	—	—	—	—

Summa Canister Information:

Canister Size:	1L	<input checked="" type="radio"/> 6L
Canister ID#	ESS-6048	
Flow Controller ID#	5470	

Sub-Slab Water Dam Test:

Test Passed:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
NA - FOR AMBIENT AIR SAMPLES		

General Notes/Observations:

Background air = 0.0 ppb

Abbreviations:

NA = Not Applicable
 SB = Sub-Slab
 IA = Indoor Air
 OA = Outdoor Air

Vapor Assessment
Sample Collection Log

PROJECT: Donaldson's 1 HR Clean	SAMPLE ID: SSV-8-R5 TYPE (Circle One)*: <input checked="" type="radio"/> SB <input type="radio"/> IA <input type="radio"/> OA
PROJECT #: 25214203.00	SAMPLE INTAKE HEIGHT: <u>NA</u> NA for SB
LOCATION: <u>Neenah, WI</u>	APPROX PURGE VOLUME: <u>3.5 L</u> NA for IA and OA
SAMPLER: <u>S. Smith</u>	APPROX SAMPLING DEPTH: <u>~6"</u> NA for IA and OA
EQUIPMENT: <u>Summa can, flow controller, ppb RAE PID, sampling manifold</u>	

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/ ppb)
6/25/15	1027	-27	—	—	—	—	26.91 ppm
6/25/15	1027	-2.5	—	—	—	—	—

Summa Canister Information:

Sub-Slab Water Dam Test:

Canister Size:	1L	<input checked="" type="radio"/> 6L
Canister ID#	DH-003	
Flow Controller ID#	1499	

Test Passed:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
NA - FOR AMBIENT AIR SAMPLES		

General Notes/Observations:

Background air = 0.0 ppb

Abbreviations:

NA = Not Applicable
 SB = Sub-Slab
 IA = Indoor Air
 OA = Outdoor Air

WSLH Air Canister Sampling Sheet

Effective Date 8/2013

Bill To SCS Engineers
2830 Dairy Dr.
Madison, WI 53718
252 142 03 00

Report To SCS Engineers
2830 Dairy Dr.
Madison, WI 53718

Phone # (608) 224-2830
 FAX # _____

VR User ID/Horizon #: 12858
 Project Donaldson's 1 HR Cleaners
 P.O. # _____

Email stevesmith@essengineers.com
 Address(s) Rlangdon@scsengineers.com

Collected By S. Smith
 Date Sampled 6/24-6/25/15

Tracer used (Y/N) N
 Which Tracer? _____

Sample Type: AR - Outdoor Air
 AI - Indoor Air
 SB-Sub-Slab

SPECIAL INSTRUCTIONS:
 TO15 Full List
 TO15 Dry Cleaner/Short List
 Redelco

LAB USE ONLY	WSLH SAMPLE #	CUSTOMER FIELD #	SAMPLE TYPE (AR, AI, SB)	SAMPLE DATE	6/24 TIME ON	6/25 TIME OFF	INITIAL PRESSURE	FINAL PRESSURE	CANISTER NUMBER	PID READING	SAMPLER NUMBER
		IA-6	AI	6/24-6/25/15	0907	0907	-27	-1.5	DH-009	0	5348
		IA-7	↓		0911	0911	-27	-4	ESS-6054	0	5478
		IA-8	↓		0914	0914	-26	0	ESS-6030	0	5586
		OA-8	AR		0932	0932	-26	-3.5	ESS-6011	0	05556
		IA-1	AI		1000	1000	-28	-3.5	DH-015	0	05555
		IA-2	↓		1003	1003	-26.5	-1	ESS-6024	34	5585
		IA-10	↓		1010	1010	-27	-1.5	ESS-6059	35	2228
		OA-7	AR		1015	1015	-26	-1.5	ESS-6020	0	5477
		SSV-6	SB	6/25/15	0900	0930	-27.5	-0.5	ESS-6048	04113	5470
		SSV-8-RS	↓		1027	1027	-27	-2.5	DH-003	①	1594

chain of custody: Relinquished

Admire

Date: 6/25/15 Received: [Signature] 6/25/15

① 2641 ppm

ATTACHMENT C

Laboratory Reports



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: 202126001

Report To:
 R LANGDON
 SCS ENGINEERS

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

Customer ID: 12858

Field #: IA-6
 Project No: DONLDSN'S 1HR CLEAN
 Collection End: 6/25/2015 9:07:00 AM
 Collection Start: 06/24/15 0907
 Collected By: S SMITH
 Date Received: 6/25/2015
 Date Reported: 7/7/2015
 Sample Reason:

ID#: _____
 Sample Location:
 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 06/29/15 Analysis Date 06/29/15					
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	0.49	ppbv	0.085	0.28



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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: 202126001

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.wisc.edu/about/compliance/nelac-laboratory-accreditation>

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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

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: Al Spallato, Lab Manager, 608-224-6269

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



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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: 202126002

Report To:
 R LANGDON
 SCS ENGINEERS

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

Customer ID: 12858

Field #: IA-7
 Project No: DONLDSN'S 1HR CLEAN
 Collection End: 6/25/2015 9:11:00 AM
 Collection Start: 06/24/15 0911
 Collected By: S SMITH
 Date Received: 6/25/2015
 Date Reported: 7/7/2015
 Sample Reason:

ID#: _____
 Sample Location:
 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 06/29/15 Analysis Date 06/29/15					
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	0.090F	ppbv	0.085	0.28
Trichloroethene	EPA TO-15	ND	ppbv	0.085	0.28
Tetrachloroethene	EPA TO-15	3.3	ppbv	0.085	0.28



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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: 202126002

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

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

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

Organic Chemistry: Al Spallato, Lab Manager, 608-224-6269

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



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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: 202126003

Report To:
 R LANGDON
 SCS ENGINEERS

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

Customer ID: 12858

Field #: IA-8
 Project No: DONLDSN'S 1HR CLEAN
 Collection End: 6/25/2015 9:14:00 AM
 Collection Start: 06/24/15 0914
 Collected By: S SMITH
 Date Received: 6/25/2015
 Date Reported: 7/7/2015
 Sample Reason:

ID#: _____
 Sample Location:
 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 06/29/15 Analysis Date 06/29/15					
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	1.9	ppbv	0.085	0.28



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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: 202126003

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

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Responsible Party

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

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

Organic Chemistry: Al Spallato, Lab Manager, 608-224-6269

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



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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: 202126004

Report To:
 R LANGDON
 SCS ENGINEERS

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

Customer ID: 12858

Field #: OA-8
 Project No: DONLDSN'S 1HR CLEAN
 Collection End: 6/25/2015 9:32:00 AM
 Collection Start: 06/24/15 0932
 Collected By: S SMITH
 Date Received: 6/25/2015
 Date Reported: 7/7/2015
 Sample Reason:

ID#:
 Sample Location:
 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 06/29/15 Analysis Date 06/29/15					
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	0.38	ppbv	0.085	0.28



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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: 202126004

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

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Responsible Party

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

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

Organic Chemistry: Al Spallato, Lab Manager, 608-224-6269

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



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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: 202126005

Report To:
 R LANGDON
 SCS ENGINEERS

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

Customer ID: 12858

Field #: IA-1
 Project No: DONLDSN'S 1HR CLEAN
 Collection End: 6/25/2015 10:00:00 AM
 Collection Start: 06/24/15 1000
 Collected By: S SMITH
 Date Received: 6/25/2015
 Date Reported: 7/7/2015
 Sample Reason:

ID#: _____
 Sample Location: _____
 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 06/29/15 Analysis Date 06/29/15					
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	3.5	ppbv	0.085	0.28



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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: 202126005

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

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Responsible Party

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

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

Organic Chemistry: Al Spallato, Lab Manager, 608-224-6269

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



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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: 202126006

Report To:
 R LANGDON
 SCS ENGINEERS

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

Customer ID: 12858

Field #: IA-2
 Project No: DONLDSN'S 1HR CLEAN
 Collection End: 6/25/2015 10:03:00 AM
 Collection Start: 06/24/15 1003
 Collected By: S SMITH
 Date Received: 6/25/2015
 Date Reported: 7/7/2015
 Sample Reason:

ID#: _____
 Sample Location:
 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 06/30/15 Analysis Date 06/30/15					
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	3.5	ppbv	0.085	0.28



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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: 202126006

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

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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: Al Spallato, Lab Manager, 608-224-6269

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



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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: 202126007

Report To:
 R LANGDON
 SCS ENGINEERS

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

Customer ID: 12858

Field #: IA-10
 Project No: DONLDSN'S 1HR CLEAN
 Collection End: 6/25/2015 10:10:00 AM
 Collection Start: 06/24/15 1010
 Collected By: S SMITH
 Date Received: 6/25/2015
 Date Reported: 7/7/2015
 Sample Reason:

ID#:
 Sample Location:
 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 06/30/15 Analysis Date 06/30/15					
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	0.14F	ppbv	0.085	0.28
Tetrachloroethene	EPA TO-15	11	ppbv	0.085	0.28



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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: 202126007

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

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

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

Organic Chemistry: Al Spallato, Lab Manager, 608-224-6269

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



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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: 202126008

Report To:
 R LANGDON
 SCS ENGINEERS

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

Customer ID: 12858

Field #: OA-7
 Project No: DONLDSN'S 1HR CLEAN
 Collection End: 6/25/2015 10:15:00 AM
 Collection Start: 06/24/15 1015
 Collected By: S SMITH
 Date Received: 6/25/2015
 Date Reported: 7/7/2015
 Sample Reason:

ID#:
 Sample Location:
 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 06/30/15 Analysis Date 06/30/15					
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	0.14F	ppbv	0.085	0.28



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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: 202126008

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

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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: Al Spallato, Lab Manager, 608-224-6269

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



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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: 202126009

Report To:
 R LANGDON
 SCS ENGINEERS

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

Customer ID: 12858

Field #: SSV-6
 Project No: DONLDSN'S 1HR CLEAN
 Collection End: 6/25/2015 9:30:00 AM
 Collection Start: 06/25/15 0900
 Collected By: S SMITH
 Date Received: 6/25/2015
 Date Reported: 7/7/2015
 Sample Reason:

ID#:
 Sample Location:
 Sample Description:
 Sample Type: SB-SUB SLAB
 Waterbody:
 Point or Outfall:
 Sample Depth:
 Program Code:
 Region Code:
 County:

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 06/30/15 Analysis Date 06/30/15					
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	2.0	ppbv	0.085	0.28



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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: 202126009

List of Abbreviations:

LOD = Level of detection

LOQ = Level of quantification

ND = None detected. Results are less than the LOD

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Organic Chemistry: Al Spallato, Lab Manager, 608-224-6269

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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: 202126010

Report To:
 R LANGDON
 SCS ENGINEERS

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

Customer ID: 12858

Field #: SSV-8-RS
 Project No: DONLDSN'S 1HR CLEAN
 Collection End: 6/25/2015 10:27:00 AM
 Collection Start: 06/25/15 1027
 Collected By: S SMITH
 Date Received: 6/25/2015
 Date Reported: 7/7/2015
 Sample Reason:

ID#: _____
 Sample Location:
 Sample Description:
 Sample Type: SB-SUB SLAB
 Waterbody:
 Point or Outfall:
 Sample Depth:
 Program Code:
 Region Code:
 County:

OC-Volatiles

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 06/30/15 Analysis Date 06/30/15					
Vinyl chloride	EPA TO-15	ND	ppbv	43	140
trans-1,2-Dichloroethene	EPA TO-15	ND	ppbv	43	140
cis-1,2-Dichloroethene	EPA TO-15	ND	ppbv	43	140
Trichloroethene	EPA TO-15	ND	ppbv	43	140
Tetrachloroethene	EPA TO-15	260	ppbv	43	140



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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: 202126010

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Organic Chemistry: Al Spallato, Lab Manager, 608-224-6269

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

ATTACHMENT D

Summary of Post-Mitigation Vapor Intrusion Assessment Electronic Copy on CD