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SCS ENGINEERS

April 1, 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 post-mitigation vapor intrusion assessment performed for the Donaldson's One Hour Cleaners, 110 West Cecil Street, Neenah, Wisconsin. A sub-slab depressurization system (SSDS) was installed in November 2014 to reduce the potential for vapor migration into the building, which houses Donaldson's One Hour Cleaners, Village Clippers, and All Sport Trophy. The post-mitigation sampling was performed as required by the Wisconsin Department of Natural Resources (WDNR) to evaluate the effectiveness of the SSDS. The sampling results indicate that the SSDS is functioning as intended.

METHODS

SCS performed sub-slab, indoor air, and outdoor (background) air sampling March 3 - 4, 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

- 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-8RRRR
- Abandoned probe SSV-8RRRR

Photos from each sample location are included in **Attachment A**. 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 March 2015 sample locations are provided in **Tables 1** and **2**. The March 2015 sampling results are summarized below:

The Village Clippers

- PCE was detected in indoor air samples, but the levels do not exceed the Vapor Action Level (VAL) for non-residential settings.
- VOCs were not detected in the background air sample.
- No other VOCs were detected in the samples.

All Sport Trophy

- PCE was detected in the indoor air sample, but the level does not exceed the VAL for non-residential settings.
- No other VOCs were detected in the sample.

Cranky Pat's Pizzeria & Pub

- TCE and/or PCE were detected in sub-slab samples, but the levels do not exceed Vapor Risk Screening Levels (VRSLs) for non-residential settings.
- Cis-1,2-DCE was detected in one indoor air sample. This chemical does not have a VAL.
- TCE and/or PCE were detected in indoor air samples, but the levels do not exceed VALs for non-residential settings.
- VOCs were not detected in the background air sample.

- No other VOCs were detected in the samples.

In summary, VOCs were not detected in any of the March 2015 samples at levels in excess of non-residential indoor air or sub-slab standards.

In general, March 2015 indoor air sample concentrations for the Village Clippers, All Sport Trophy, and Cranky Pat's Pizzeria & Pub were similar or slightly lower than corresponding pre-mitigation sample concentrations from January 2013.

The March 2015 sub-slab sample concentrations for Cranky Pat's Pizzeria & Pub vary in comparison with corresponding pre-mitigation results. The March 2015 PCE concentration for sample SSV-6 is slightly higher than the June 2014 sample concentration, while the March 2015 PCE result for sample SSV-8RRRR is significantly lower than the corresponding June 2014 sample concentration.

Repeat sampling is planned for June 2015 to further evaluate post-mitigation sub-slab and indoor air quality.

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/JBT

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

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
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-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)				270	16	NE	NE	110

Abbreviations:
ppbv = parts per billion by volume
PCE = tetrachloroethene
TCE = trichloroethene
cis-1,2-DCE = cis-1,2-dichloroethene
trans-1,2-DCE = trans-1,2-dichloroethene
NE = not established
-- = not applicable

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 0.1 for small commercial buildings.
3. Indoor Air Vapor Action Levels and Attenuation Factor from Wisconsin Department of Natural Resources Quick Look-up Table dated December 4, 2014.
4. **Bold+underlined** 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: LMH Date: 1/22/2014
Last revision by: LMH Date: 3/18/2015
I:\25214203\Data\Tables\[Donaldsons__Sub-Slab_Results_Non-Residential.xls]Sub-Slab Results Checked by: JSN Date: 3/19/2015

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
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
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
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
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
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
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
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
Indoor Air Vapor Action Level (Non-Residential)				27	1.6	NE	NE	11

Abbreviations:
ppbv = parts per billion by volume
PCE = tetrachloroethene
TCE = trichloroethene
cis-1,2-DCE = cis-1,2-dichloroethene
trans-1,2-DCE = trans-1,2-dichloroethene
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 December 4, 2014.
3. **Bold+underlined** values meet or exceed Indoor Air Vapor Action Levels for Non-Residential settings.

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

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 Date: 1/22/2014
Last revision by: LMH Date: 3/18/2015
I:\25214203\Data\Tables\[Donaldsons__Ambient_Air_Results_Non-Residential.xls]Ambient Air Results Checked by: JSN Date: 3/19/2015

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.

N

30 0 30

SCALE: 1" = 30'

PROJECT NO.	25214203.00	DRAWN BY:	AHB/BJM
DRAWN:	01/27/14	CHECKED BY:	REL
REVISED:	03/27/15	APPROVED BY:	REL 03/27/15

ENGINEER

SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

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 1

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ATTACHMENT A

Photos

Donaldson's One Hour Cleaners
Neenah, Wisconsin
SCS Engineers Project #25214203.00
March 3-4, 2015

Photo 1: All Sport Trophy Indoor Air Sample IA-1 (Backroom)

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

Donaldson's One Hour Cleaners
Neenah, Wisconsin
SCS Engineers Project #25214203.00
March 3-4, 2015

Photo 3: Village Clippers Indoor Air Sample IA-10 (Waiting Room)

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
March 3-4, 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
March 3-4, 2015

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

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

Donaldson's One Hour Cleaners
Neenah, Wisconsin
SCS Engineers Project #25214203.00
March 3-4, 2015

Photo 9: Cranky Pat's Sub-slab Sample SSV-6 (Bar Area)

Photo 10: Cranky Pat's Sub-slab Sample SSV-8RRRR (Basement)

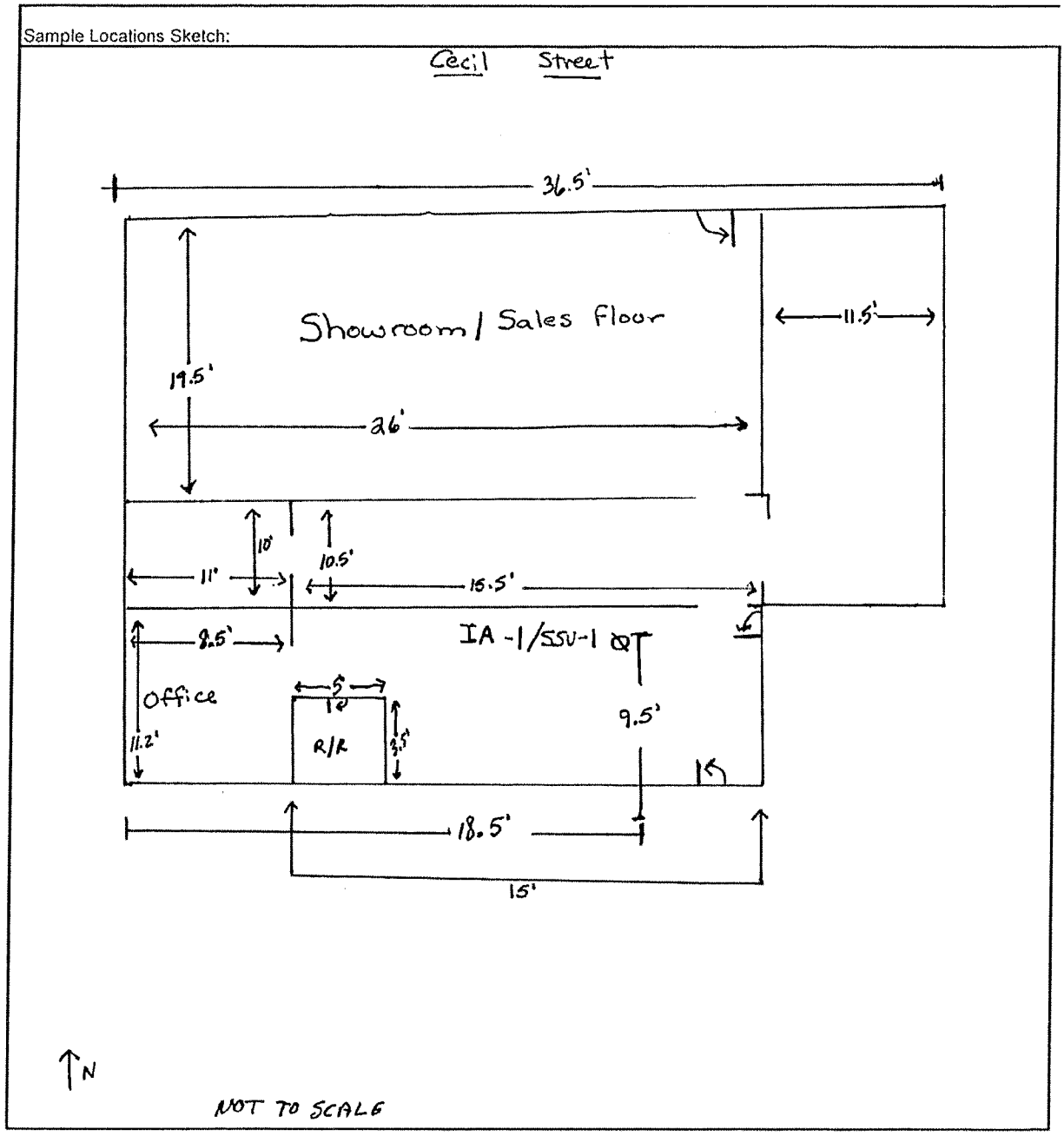
ATTACHMENT B

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:

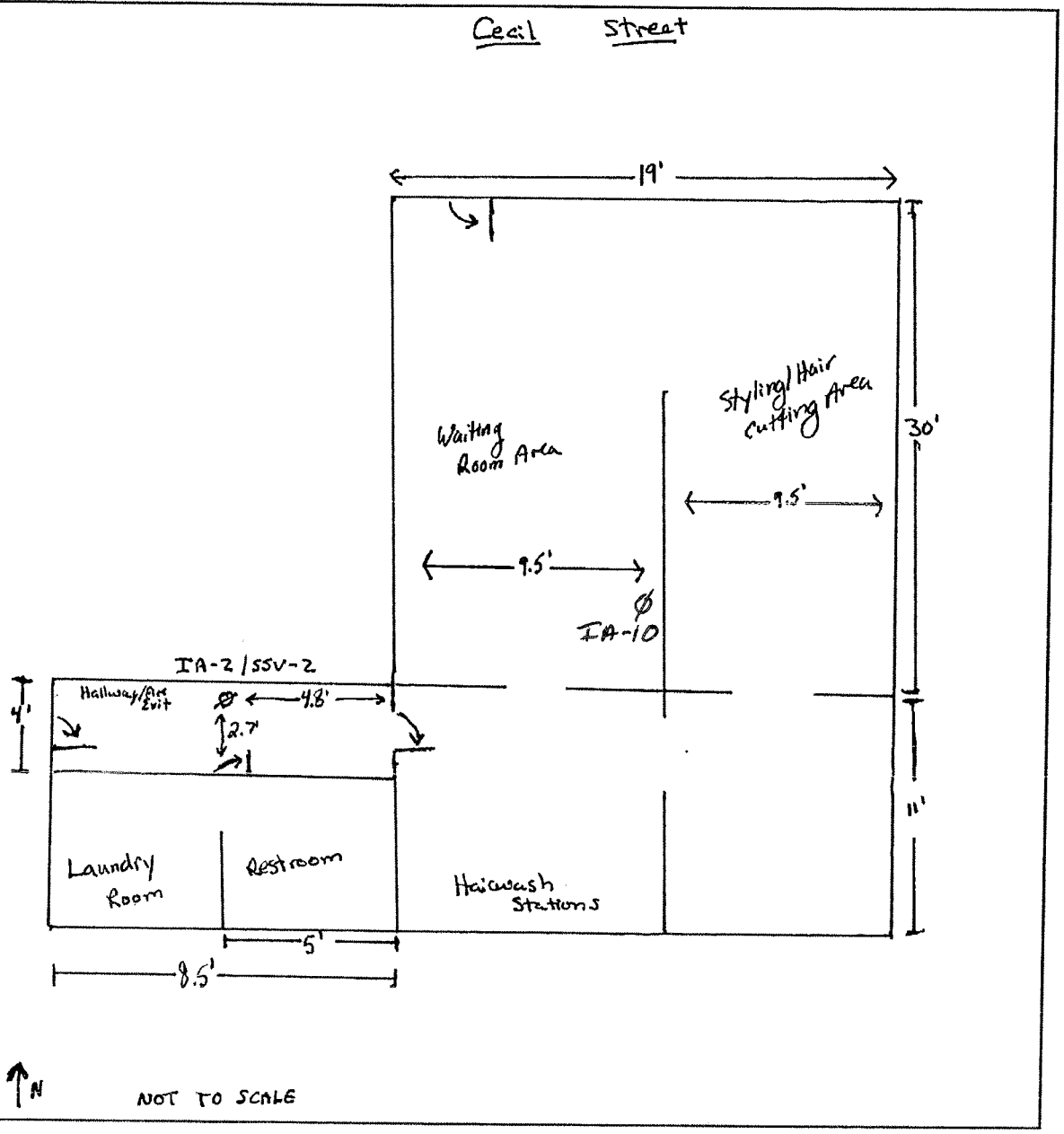


Map from Robert E Lee Vapor Intrusion Results letter dated July 24, 2013.
Modified by SCS Engineers to show current sample locations.

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

IA-2
&
Sample Location/ID: SSV-2 / Village clippers

Sample Locations Sketch:

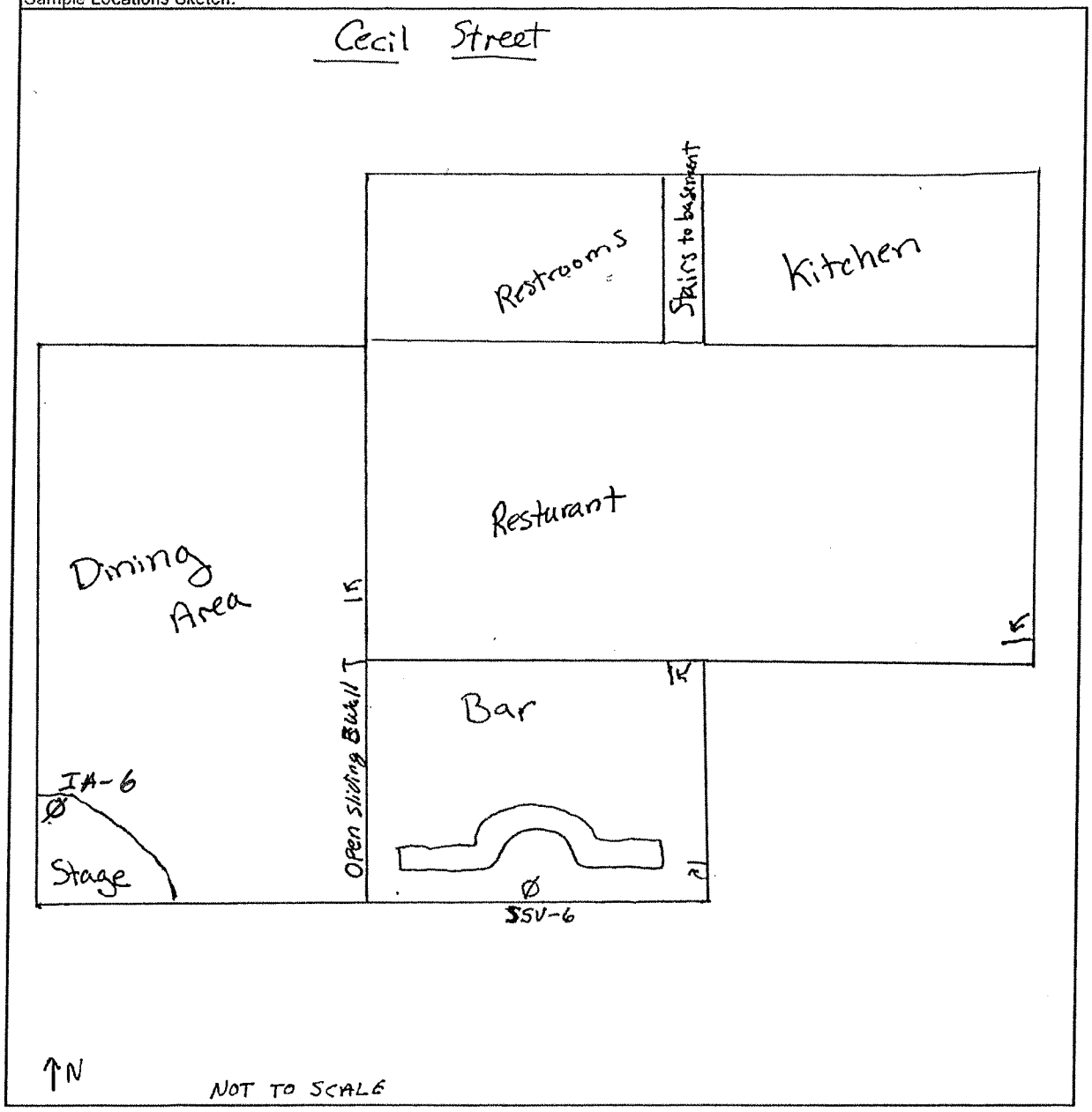


Map from Robert E Lee Vapor Intrusion Results letter dated July 24, 2013.
Modified by SCS Engineers to show current sample locations.

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

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

Sample Locations Sketch:

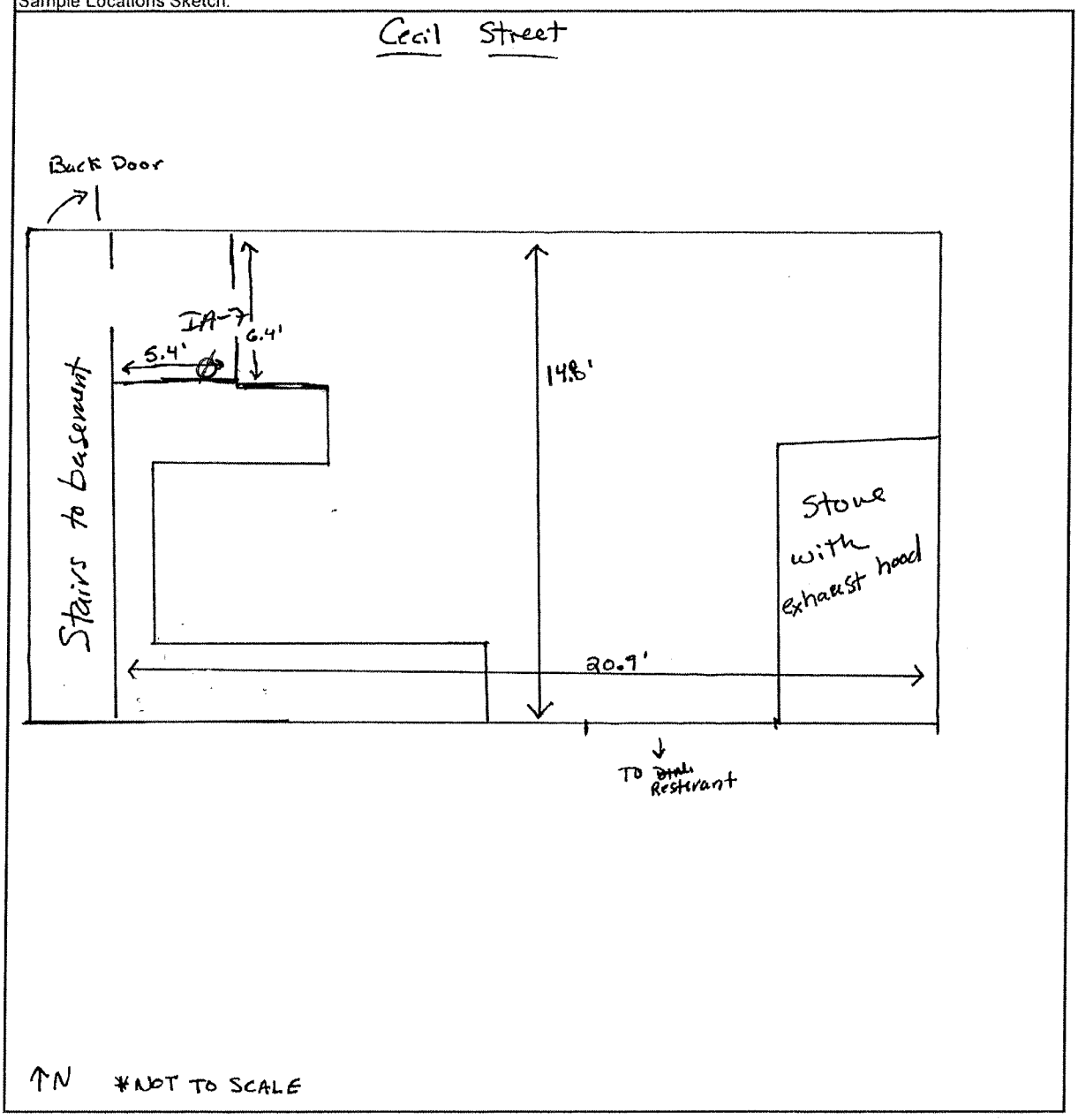


Map from Robert E Lee Vapor Intrusion Results letter dated July 24, 2013.
Modified by SCS Engineers to show current sample locations.

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

Sample Location/ID: IA-7

Sample Locations Sketch:

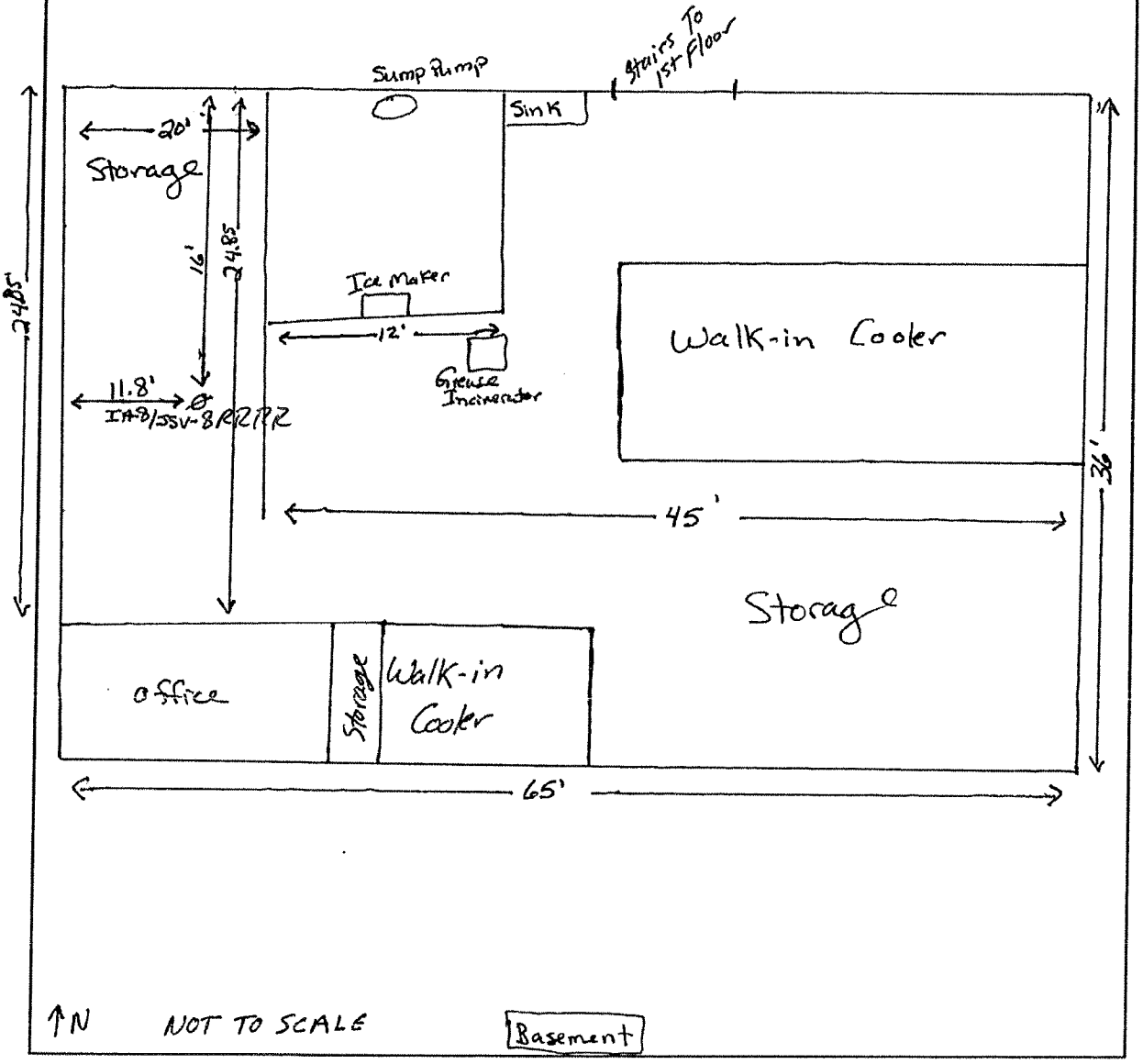


Map from Robert E Lee Vapor Intrusion Results letter dated July 24, 2013.
Modified by SCS Engineers to show current sample locations.

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

Sample Location/ID: IA-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 Cleaners	SAMPLE ID: IA-1 TYPE (Circle One)*: SB (IA) OA
PROJECT #: 25214203.00	SAMPLE INTAKE HEIGHT: ~4' NA for SB
LOCATION: Neenah, WI	APPROX PURGE VOLUME: (NA) for IA and OA
SAMPLER: S. Smith	APPROX SAMPLING DEPTH: (NA) for IA and OA
EQUIPMENT: ppbRAE, Summa can, flow controller	

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm (ppb))
3/3/15	1012	-25.5	26.1	92	9.2	29.71	118
3/4/15	1012	0	12.9	49	16.1	30.18	—

Summa Canister Information:

Canister Size:	1L	(6L)
Canister ID#	ESS-6009	
Flow Controller ID#	5477	

Sub-Slab Water Dam Test:

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

General Notes/Observations:

Background air = 118 ppb

Abbreviations:

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

Vapor Assessment
Sample Collection Log

PROJECT: Donaldson's IHR Cleaners	SAMPLE ID: IA-2 TYPE (Circle One)*: SB (IA) OA
PROJECT #: 25214203.00	SAMPLE INTAKE HEIGHT: ~3' NA for SB
LOCATION: Neenah, WI	APPROX PURGE VOLUME: (NA) for IA and OA
SAMPLER: S. Smith	APPROX SAMPLING DEPTH: (NA) for IA and OA
EQUIPMENT: ppbRAE, Summa can, flow controller	

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/(ppb))
3/3/15	1024	-27	26.1	92	9.2	29.71	242
3/4/15	1024	-3	12.9	49	16.1	30.18	—

Summa Canister Information:

Canister Size:	1L	(6L)
Canister ID#	DH-012	
Flow Controller ID#	5346	

Sub-Slab Water Dam Test:

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

General Notes/Observations:

Background air = 242 ppb

Abbreviations:

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

Vapor Assessment
Sample Collection Log

PROJECT: Donaldson's IHR Cleaners	SAMPLE ID: IA-6 TYPE (Circle One)*: SB (IA) OA
PROJECT #: 25214203.00	SAMPLE INTAKE HEIGHT: ~ 24" NA for SB
LOCATION: Neenah, WI	APPROX PURGE VOLUME: (NA) for IA and OA
SAMPLER: S. Smith	APPROX SAMPLING DEPTH: (NA) for IA and OA
EQUIPMENT: ppbRAE, Summa can, flow controller	

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/(ppb))
3/3/15	0938	-27	26.1	88	8.1	29.69	0
3/4/15	0938	-2	12.0	49	16.1	30.15	—

Summa Canister Information:

Canister Size:	1L	(6L)
Canister ID#	ESS-6010	
Flow Controller ID#	5399	

Sub-Slab Water Dam Test:

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

General Notes/Observations:

Background air = 0 ppb

Abbreviations:

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

Vapor Assessment
Sample Collection Log

PROJECT: Donaldson's ITR Cleaners	SAMPLE ID: IA-7 TYPE (Circle One)*: SB (IA) OA
PROJECT #: 25214203.00	SAMPLE INTAKE HEIGHT: ~4.5' NA for SB
LOCATION: Neenah, WI	APPROX PURGE VOLUME: (NA) for IA and OA
SAMPLER: S. Smith	APPROX SAMPLING DEPTH: (NA) for IA and OA
EQUIPMENT: ppbRAE, Summa can, flow controller	

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/(ppb))
3/3/15	0945	-25.5	26.1	88	8.1	29.69	0
3/4/15	0945	-1.5	12.9	49	16.1	30.18	—

Summa Canister Information:

Canister Size:	1L	(6L)
Canister ID#	DH-001	
Flow Controller ID#	5345	

Sub-Slab Water Dam Test:

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

General Notes/Observations:

Background air = 0 ppb

Abbreviations:

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

Vapor Assessment
Sample Collection Log

PROJECT: Donaldson's IHR Cleaners	SAMPLE ID: IA-8 TYPE (Circle One)*: SB (IA) OA
PROJECT #: 25214203.00	SAMPLE INTAKE HEIGHT: ~ 36" NA for SB
LOCATION: Neenah, WI	APPROX PURGE VOLUME: (NA) for IA and OA
SAMPLER: S. Smith	APPROX SAMPLING DEPTH: (NA) for IA and OA
EQUIPMENT: ppbRAE, Summa can, flow controller	

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/(ppb))
3/3/15	0950	-27.5	26.6	93	9.2	29.67	0
3/4/15	0950	-0.5	12.9	49	16.1	30.18	—

Summa Canister Information:

Canister Size:	1L	(6L)
Canister ID#	ESS-6051	
Flow Controller ID#	2434	

Sub-Slab Water Dam Test:

Test Passed:	Yes	No
NA – FOR AMBIENT AIR SAMPLES		

General Notes/Observations:

Background air = 0 ppb

Abbreviations:

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

Vapor Assessment
Sample Collection Log

PROJECT: Donaldson's HRC Cleaners	SAMPLE ID: IA-10 TYPE (Circle One)*: SB (IA) OA
PROJECT #: 25214203.00	SAMPLE INTAKE HEIGHT: ~3' NA for SB
LOCATION: Neenah, WI	APPROX PURGE VOLUME: (NA) for IA and OA
SAMPLER: S. Smith	APPROX SAMPLING DEPTH: (NA) for IA and OA
EQUIPMENT: ppbRAE, Summa can, flow controller	

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/~~ppb~~)
3/3/15	1025	-26	27.0	89	6.9	29.65	269
3/4/15	1025	-1.5	12.9	49	16.1	30.18	

Summa Canister Information:

Canister Size:	1L	(6L)
Canister ID#	ESS-6038	
Flow Controller ID#	5478	

Sub-Slab Water Dam Test:

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

General Notes/Observations:

Background air = 269 ppb

Abbreviations:

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

Vapor Assessment
Sample Collection Log

PROJECT: Donaldson's IHR Cleaners	SAMPLE ID: OA-7 TYPE (Circle One)*: SB IA (OA)
PROJECT #: 25214203.00	SAMPLE INTAKE HEIGHT: ~3' NA for SB
LOCATION: Neenah, WI	APPROX PURGE VOLUME: (NA) for IA and OA
SAMPLER: S. Smith	APPROX SAMPLING DEPTH: (NA) for IA and OA
EQUIPMENT: ppbRAE, Summa can, flow controller	

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/(ppb))
3/3/15	1033	-25.5	27.0	89	6.9	29.65	0
3/4/15	1033	-0.5	12.9	49	16.1	30.18	—

Summa Canister Information:

Canister Size:	1L (6L)
Canister ID#	ESS-6050
Flow Controller ID#	05556

Sub-Slab Water Dam Test:

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

General Notes/Observations:

Background air = 0 ppb

Abbreviations:

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

Vapor Assessment
Sample Collection Log

PROJECT: Donaldson's ITR Cleaners	SAMPLE ID: OA-8 TYPE (Circle One)*: SB IA (OA)
PROJECT #: 25214203.00	SAMPLE INTAKE HEIGHT: ~3' NA for SB
LOCATION: Neenah, WI	APPROX PURGE VOLUME: (NA) for IA and OA
SAMPLER: S. Smith	APPROX SAMPLING DEPTH: (NA) for IA and OA
EQUIPMENT: ppbRAE, Summa can, flow controller	

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/(ppb))
3/3/15	0956	-27	26.1	92	9.2	29.71	0
3/4/15	0956	-1	12.9	49	16.1	30.18	—

Summa Canister Information:

Canister Size:	1L	(6L)
Canister ID#	ESS-6008	
Flow Controller ID#	5400	

Sub-Slab Water Dam Test:

Test Passed:	Yes	No
NA – FOR AMBIENT AIR SAMPLES		

General Notes/Observations:

Background air = 0 ppb

Abbreviations:

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

Vapor Assessment
Sample Collection Log

PROJECT: Davidson's THR Cleaners	SAMPLE ID: SSV-6 TYPE (Circle One)*: (SB) IA OA
PROJECT #: 25214203.00	SAMPLE INTAKE HEIGHT: (NA) for SB
LOCATION: Neenah, WI	APPROX PURGE VOLUME: 3.5L NA for IA and OA
SAMPLER: S. Smith	APPROX SAMPLING DEPTH: ~ unknown NA for IA and OA
EQUIPMENT: PPB RAE, Summa can, flow controller, manifold, misc. tubing	

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm) (ppb)
3/4/15	1105	-28	15.1	45	13.8	30.18	1664
3/4/15	1135	-3	15.1	45	13.8	30.18	—

Summa Canister Information:

Canister Size:	1L	(6L)
Canister ID#	ESS-6021	
Flow Controller ID#	5466	

Sub-Slab Water Dam Test:

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

General Notes/Observations:

Background air = 0 ppb

Abbreviations:

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

Vapor Assessment
Sample Collection Log

PROJECT: Donaldson's IHR Cleaners	**SAMPLE ID:** SSV-8RRRR **TYPE** (Circle One)*: (SB) IA OA
PROJECT #: 23214203.00	**SAMPLE INTAKE HEIGHT:** (NA) for SB
LOCATION: Neenah, WI	**APPROX PURGE VOLUME:** 3.5 L NA for IA and OA
SAMPLER: S. Smith	**APPROX SAMPLING DEPTH:** 12" NA for IA and OA
EQUIPMENT: pbRAE, Summa can, flow controller, Manifold, misc. tubing	

Instrument/Weather Readings

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/(ppb))
3/4/15	1030	-30	12.9	49	16.1	30.17	555
3/4/15	1100	-3.5	15.1	45	13.8	30.18	—

Summa Canister Information:

Canister Size:	1L (6L)
Canister ID#	ESS-6045
Flow Controller ID#	7604

Sub-Slab Water Dam Test:

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

General Notes/Observations:

Background air = 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
~~Account # RR046~~

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

Phone # 608-224-2830
FAX #

DNR User ID

Collected By: S. Smith
Date Sampled: 3/3 - 3/4/15

Project: Dorrildsen IHR Cleanup
P.O. #: #25214203.00

Email Address(s): SteveSmith@scsengineers.com
RLangdon@SCSengineers.com

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

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

SPECIAL INSTRUCTIONS:
TO-15 SWAL list: PCE, TCE, cis and trans 1,2-DCE, Vinyl Chloride

LAB USE ONLY WSLH SAMPLE #	CUSTOMER FIELD #	SAMPLE TYPE (AR,AI,SB)	SAMPLE DATE	TIME ON	TIME OFF	INITIAL PRESSURE	FINAL PRESSURE	CANISTER NUMBER	(ppb) PID READING	(Flow Controller) SAMPLER NUMBER
	IA-6	AI	3/3-3/4/15	0938	0938	-27	-2	ESS-6010	0	5399
	IA-7	↓	↓	0945	0945	-25.5	-1.5	DH-001	0	5345
	IA-8	↓	↓	0950	0950	-27.5	-0.5	ESS-6051	0	2434
	OA-8	AR	↓	0956	0956	-27	-1	ESS-6008	0	5460
	IA-1	AI	↓	1012	1012	-25.5	0	ESS-6009	118	5477
	IA-2	↓	↓	1024	1024	-27	-3	DH-012	242	5396
	IA-10	↓	↓	1025	1025	-26	-1.5	ESS-6038	269	5478
	OA-7	AR	↓	1033	1033	-25.5	-0.5	ESS-6050	0	05556
	SSV-8RRRR	SB	3/4/15	1030	1100	-30	-3.5	ESS-6045	555	7604
	SSV-6	↓	↓	1105	1135	-28	-3	ESS-6021	1664	5466

chain of custody: Relinquished [signature] Date: 3/4/15 Received: [signature] 3/4/15

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: 181954001

Report To:
R LANGDON
SCS ENGINEERS

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

Customer ID: 12858

Field #: IA-6
Project No: DONALDSON'S 1 HR CLE
Collection End: 3/4/2015 9:38:00 AM
Collection Start: 03/03/15 0938
Collected By:
Date Received: 3/4/2015
Date Reported: 3/13/2015
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 03/10/15 Analysis Date	03/10/15				
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	0.34	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

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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: 181954001

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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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: 181954002

Report To:
R LANGDON
SCS ENGINEERS

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

Customer ID: 12858

Field #: IA-7
Project No: DONALDSON'S 1 HR CLE
Collection End: 3/4/2015 9:45:00 AM
Collection Start: 03/03/15 0945
Collected By:
Date Received: 3/4/2015
Date Reported: 3/13/2015
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 03/10/15 Analysis Date	03/10/15				
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	0.77	ppbv	0.085	0.28
Vinyl chloride	EPA TO-15	ND	ppbv	0.085	0.28
trans-1,2-Dichloroethene	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.

List of Abbreviations:
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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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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: 181954002

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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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: 181954003

Report To:
R LANGDON
SCS ENGINEERS

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

Customer ID: 12858

Field #: IA-8
Project No: DONALDSON'S 1 HR CLE
Collection End: 3/4/2015 9:50:00 AM
Collection Start: 03/03/15 0950
Collected By:
Date Received: 3/4/2015
Date Reported: 3/13/2015
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 03/10/15 Analysis Date 03/10/15					
Vinyl chloride	EPA TO-15	ND	ppbv	0.085	0.28
The internal standard QC limit is exceeded.					
trans-1,2-Dichloroethene	EPA TO-15	ND	ppbv	0.085	0.28
The internal standard QC limit is exceeded.					
cis-1,2-Dichloroethene	EPA TO-15	0.27F	ppbv	0.085	0.28
The internal standard QC limit is exceeded.					
Trichloroethene	EPA TO-15	0.16F	ppbv	0.085	0.28
The internal standard QC limit is exceeded.					
Tetrachloroethene	EPA TO-15	12	ppbv	0.085	0.28
The internal standard QC limit is exceeded.					

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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: 181954003

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/

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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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: 181954004

Report To:
R LANGDON
SCS ENGINEERS

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

Customer ID: 12858

Field #: OA-8
Project No: DONALDSON'S 1 HR CLE
Collection End: 3/4/2015 9:56:00 AM
Collection Start: 03/03/15 0956
Collected By:
Date Received: 3/4/2015
Date Reported: 3/13/2015
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 03/10/15 Analysis Date 03/10/15					
Vinyl chloride	EPA TO-15	ND	ppbv	0.085	0.28
The internal standard QC limit is exceeded.					
trans-1,2-Dichloroethene	EPA TO-15	ND	ppbv	0.085	0.28
The internal standard QC limit is exceeded.					
cis-1,2-Dichloroethene	EPA TO-15	ND	ppbv	0.085	0.28
The internal standard QC limit is exceeded.					
Trichloroethene	EPA TO-15	ND	ppbv	0.085	0.28
The internal standard QC limit is exceeded.					
Tetrachloroethene	EPA TO-15	ND	ppbv	0.085	0.28
The internal standard QC limit is exceeded.					

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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: 181954004

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/

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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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: 181954005

Report To:
R LANGDON
SCS ENGINEERS

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

Customer ID: 12858

Field #: IA-1
Project No: DONALDSON'S 1 HR CLE
Collection End: 3/4/2015 10:12:00 AM
Collection Start: 03/03/15 1012
Collected By:
Date Received: 3/4/2015
Date Reported: 3/13/2015
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 03/10/15 Analysis Date	03/10/15				
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	0.65	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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Madison, WI 53707-7996
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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: 181954005

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

Wisconsin State Laboratory of Hygiene
2601 Agriculture Drive, PO Box 7996
Madison, WI 53707-7996
(800)442-4618 - FAX (608)224-6213
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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: 181954006

Report To:
R LANGDON
SCS ENGINEERS

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

Customer ID: 12858

Field #: IA-2
Project No: DONALDSON'S 1 HR CLE
Collection End: 3/4/2015 10:24:00 AM
Collection Start: 03/03/15 1024
Collected By:
Date Received: 3/4/2015
Date Reported: 3/13/2015
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 03/10/15 Analysis Date	03/10/15				
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	0.67	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

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Madison, WI 53707-7996
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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: 181954006

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

Wisconsin State Laboratory of Hygiene
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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: 181954007

Report To:
R LANGDON
SCS ENGINEERS

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

Customer ID: 12858

Field #: IA-10
Project No: DONALDSON'S 1 HR CLE
Collection End: 3/4/2015 10:25:00 AM
Collection Start: 03/03/15 1025
Collected By:
Date Received: 3/4/2015
Date Reported: 3/13/2015
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 03/10/15 Analysis Date	03/10/15				
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	0.60	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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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: 181954007

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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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: 181954008

Report To:
R LANGDON
SCS ENGINEERS

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

Customer ID: 12858

Field #: OA-7
Project No: DONALDSON'S 1 HR CLE
Collection End: 3/4/2015 10:33:00 AM
Collection Start: 03/03/15 1033
Collected By:
Date Received: 3/4/2015
Date Reported: 3/13/2015
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 03/10/15 Analysis Date 03/10/15					
Vinyl chloride	EPA TO-15	ND	ppbv	0.085	0.28
The internal standard QC limit is exceeded.					
trans-1,2-Dichloroethene	EPA TO-15	ND	ppbv	0.085	0.28
The internal standard QC limit is exceeded.					
cis-1,2-Dichloroethene	EPA TO-15	ND	ppbv	0.085	0.28
The internal standard QC limit is exceeded.					
Trichloroethene	EPA TO-15	ND	ppbv	0.085	0.28
Tetrachloroethene	EPA TO-15	ND	ppbv	0.085	0.28

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List of Abbreviations:
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ND = None detected. Results are less than the LOD
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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: 181954008

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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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: 181954009

Report To:
R LANGDON
SCS ENGINEERS

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

Customer ID: 12858

Field #: SSV-8RRRR
Project No: DONALDSON'S 1 HR CLE
Collection End: 3/4/2015 11:00:00 AM
Collection Start: 03/04/15 1030
Collected By:
Date Received: 3/4/2015
Date Reported: 3/13/2015
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 03/10/15 Analysis Date	03/10/15				
Vinyl chloride	EPA TO-15	ND	ppbv	2.1	7.0
trans-1,2-Dichloroethene	EPA TO-15	ND	ppbv	2.1	7.0
cis-1,2-Dichloroethene	EPA TO-15	ND	ppbv	2.1	7.0
Trichloroethene	EPA TO-15	5.7F	ppbv	2.1	7.0
Tetrachloroethene	EPA TO-15	220	ppbv	2.1	7.0

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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: 181954009

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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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: 181954010

Report To:
R LANGDON
SCS ENGINEERS

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

Customer ID: 12858

Field #: SSV-6
Project No: DONALDSON'S 1 HR CLE
Collection End: 3/4/2015 11:35:00 AM
Collection Start: 03/04/15 1105
Collected By:
Date Received: 3/4/2015
Date Reported: 3/13/2015
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 03/10/15 Analysis Date	03/10/15				
Vinyl chloride	EPA TO-15	ND	ppbv	2.1	7.0
trans-1,2-Dichloroethene	EPA TO-15	ND	ppbv	2.1	7.0
cis-1,2-Dichloroethene	EPA TO-15	ND	ppbv	2.1	7.0
Trichloroethene	EPA TO-15	ND	ppbv	2.1	7.0
Tetrachloroethene	EPA TO-15	21	ppbv	2.1	7.0

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: 181954010

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

ATTACHMENT D

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