

**From:** Langdon, Robert <RLangdon@scsengineers.com>  
**Sent:** Friday, September 18, 2020 9:29 AM  
**To:** Alessi, Timothy G - DNR  
**Cc:** Vanessa Wishart  
**Subject:** Arctic Laundry & Cleaners - Status Update  
**Attachments:** Table 1 Groundwater Analytical Results Summary.pdf; 3\_Water Table Map August 2020.pdf

Hi Timothy, I'm following up on the Arctic Laundry & Cleaners case. In August we completed another round of groundwater sampling, which included measuring water levels and collecting samples from three monitoring wells for laboratory analysis of volatile organic compounds (VOCs). I've attached the updated groundwater analytical results summary table and a water table map.

The August 2020 sample from monitoring well MW-3 contained PCE at a concentration in excess of the enforcement standard (ES). VOCs were not detected in excess of ESs in samples from the remaining wells. The groundwater flow direction for August was to the northwest. These findings are consistent with prior groundwater monitoring results and suggest relatively stable conditions.

Work to date has included delineation of VOCs in soil and groundwater, vapor intrusion assessment sampling for chlorinated VOCs, and installation of a vapor mitigation system at the source property building (5619 22<sup>nd</sup> Ave). Findings through 2019 are summarized in our November 2019 Site Investigation Update. Based on follow-up correspondence with Doug Cieslak of DNR we plan to collect one final round of indoor air samples at the source property building to evaluate the vapor mitigation system. Assuming results are favorable we would then submit a Site Investigation Report. We plan to conduct the additional indoor air samples in October 2020.

Please feel free to reach out with any questions.

Thank you,  
Rob

**Robert Langdon**  
Senior Hydrogeologist/Project Manager

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**From:** Vanessa Wishart <[VWishart@staffordlaw.com](mailto:VWishart@staffordlaw.com)>  
**Sent:** Tuesday, September 8, 2020 4:18 PM  
**To:** 'timothy.alessi@wisconsin.gov' <[timothy.alessi@wisconsin.gov](mailto:timothy.alessi@wisconsin.gov)>  
**Cc:** Langdon, Robert <[RLangdon@scsengineers.com](mailto:RLangdon@scsengineers.com)>  
**Subject:** Former Arctic Laundry & Cleaners Site, BRRTS No. 02-30-245843

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Hi Timothy,

I am an attorney working for the insurer of the RP on the former Arctic Laundry & Cleaners Site, BRRTS No. 02-30-245843. I sent an email to Doug Cieslak last week regarding a recent round of groundwater sampling and received an email response that you are now the DNR contact for this site. I wanted to write a quick email to introduce myself and the consultant, Rob Langdon from SCS Engineers, who is also working on this site. Rob will be following up with the results from our latest round of sampling as well as a summary of the recent site investigation work. For our property owner notification of sampling results, I will include you as the contact rather than Doug, unless I hear from you that someone else should be listed.

Please feel free to reach out to me if you have questions for us at this point.

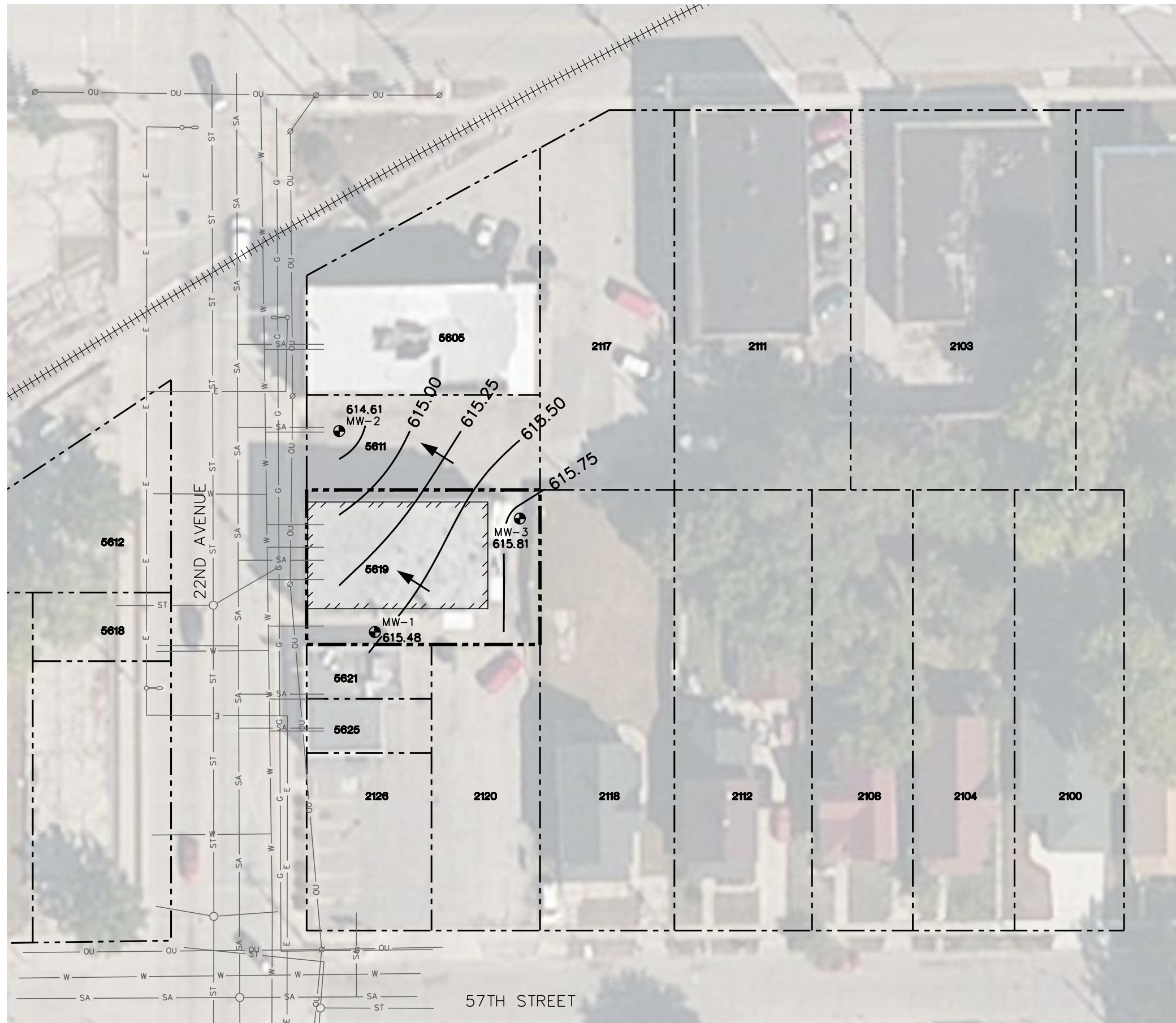
Best Regards,  
Vanessa

STAFFORD  
ROSENBAUM  
LLP

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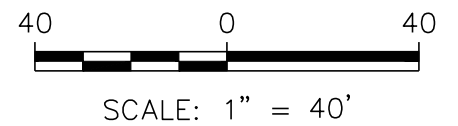
I:\25216186.00\Drawings\Wtbl.dwg, 8/28/2020 7:11:49 AM



LEGEND

	APPROXIMATE PROPERTY LINE (5619 22ND AVENUE)
	APPROXIMATE PROPERTY LINE
<b>5619</b>	PROPERTY ADDRESS NUMBER
	RAILROAD TRACKS
	ELECTRIC (BURIED)
	ELECTRIC (OVERHEAD)
	GAS MAIN
	SANITARY SEWER
	STORM SEWER
	WATER MAIN
	UTILITY POLE
	STREET LIGHT
	MONITORING WELL
	WATER TABLE CONTOUR
<b>615.48</b>	WATER TABLE ELEVATION MEASURED 08.26.2020
	APPROXIMATE GROUNDWATER FLOW DIRECTION

- NOTES:
1. AERIAL PHOTOGRAPH IMPORTED FROM BING MAPS USING AUTOCAD 2016 GEOLOCATION MAP TOOL.
  2. UTILITY LOCATIONS ARE APPROXIMATE, BASED ON 22ND AVENUE STORM SEWER AND LIGHTING DRAWING PROVIDED BY THE CITY OF KENOSHA (STATE PROJECT NO. 3994-03-70, SHEET 2.5).
  3. SAMPLE LOCATIONS ARE APPROXIMATE.



CLIENT STAFFORD ROSENBAUM, LLP. 222 WEST WASHINGTON AVENUE MADISON, WI 53701	PROJECT NO.	25216186.00	ENGINEER	FIGURE	3
	DRAWN BY:	08/26/2020	REL	WATER TABLE MAP AUGUST 26, 2020	
DRAWN BY:	08/26/2020	REL	SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830		
REVISOR:	08/26/2020	REL	ARCTIC LAUNDRY AND CLEANERS 5619 22ND AVENUE KENOSHA, WISCONSIN		
APPROVED BY:	08/28/2020	REL	SITE		

**Table 1. Groundwater Analytical Results Summary**  
**Former Arctic Laundry & Cleaners - 5619 22nd Avenue, Kenosha, Wisconsin / SCS Engineers Project #25216186.00**  
 (Results are in µg/L)

Sample	Date	Lab Notes	PCE	TCE	VC	cis-1,2-DCE	trans-1,2-DCE	Other VOCs
GP-1	8/25/1994	--	<u>42.0</u>	<u>1.0</u>	<3	<1	<1	Toluene 7.2
GP-2	10/20/1995	--	<u>13</u>	<1.0	<3.0	<1.0	<1.0	ND
GP-3	10/20/1995	--	<u>50</u>	<1.0	<3.0	<1.0	<1.0	ND
GP-4	10/20/1995	--	<u>14</u>	<u>2.2</u>	<3.0	6.2	<1.0	ND
GP-5	10/26/1995	--	<1.0	<1.0	<3.0	<1.0	<1.0	ND
GP-6	10/26/1995	--	<1.0	<1.0	<3.0	<1.0	<1.0	ND
GP-7	2/6/2017	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND
GP-8	2/6/2017	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND
GP-9	2/6/2017	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND
GP-10	2/6/2017	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND
GP-11	2/6/2017	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND
MW-1	2/21/2017	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND
	10/3/2018	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND
	10/1/2019	--	<0.37	<0.16	<0.20	<0.41	<0.35	Toluene 0.22 J
	8/26/2020	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND
MW-2	2/21/2017	--	<0.37	<0.16	<0.20	<0.41	<0.35	1,2-Dichloropropane <u>1.3</u>
	2/21/2017 (DUP)	--	<0.37	<0.16	<0.20	<0.41	<0.35	1,2-Dichloropropane <u>1.2</u>
	10/3/2018	--	0.39 J	<0.16	<0.20	<0.41	<0.35	1,2-Dichloropropane <u>2.6</u> Dichlorodifluoromethane 0.85 J,B
	10/1/2019	--	<0.37	<0.16	<0.20	<0.41	<0.35	1,2-Dichloropropane <u>1.7</u> Toluene 0.18 J
	8/26/2020	--	<u>0.63</u> J	<0.16	<0.20	<0.41	<0.35	1,2-Dichloropropane <u>1.7</u>

**Table 1. Groundwater Analytical Results Summary**  
**Former Arctic Laundry & Cleaners - 5619 22nd Avenue, Kenosha, Wisconsin / SCS Engineers Project #25216186.00**  
 (Results are in µg/L)

Sample	Date	Lab Notes	PCE	TCE	VC	cis-1,2-DCE	trans-1,2-DCE	Other VOCs
MW-3	2/21/2017	--	<u>1.5</u>	<0.16	<0.20	<0.41	<0.35	ND
	10/3/2018	--	<u>41</u>	<0.16	<0.20	<0.41	<0.35	Dichlorodifluoromethane 0.81 J,B
	10/3/2018 (DUP)	--	<u>41</u>	<0.16	<0.20	<0.41	<0.35	ND
	10/1/2019	--	<u>37</u>	<0.16	<0.20	<0.41	<0.35	Toluene 0.22 J
	10/1/2019 (DUP)	--	<u>41</u>	<0.16	<0.20	<0.41	<0.35	Toluene 0.19 J
	8/26/2020	--	<u>39</u>	<0.16	<0.20	<0.41	<0.35	ND
Trip Blank	2/6/2017	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND
	2/21/2017	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND
	10/3/2018	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND
	10/1/2019	--	<0.37	<0.16	<0.20	<0.41	<0.35	Toluene 0.21 J
	8/26/2020	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND
NR 140 Enforcement Standards (ESs)			5	5	0.2	70	100	Toluene 800 1,2-Dichloropropane 5 Dichlorodifluoromethane 1,000
NR 140 Preventive Action Limits (PALs)			0.5	0.5	0.02	7	20	Toluene 160 1,2-Dichloropropane 0.5 Dichlorodifluoromethane 200

Abbreviations:

µg/L = micrograms per liter or parts per billion (ppb)

VC = Vinyl Chloride

NA = Not Analyzed

DCE = Dichloroethene

TCE = Trichloroethene

ND = Not Detected

PCE = Tetrachloroethene

VOCs = Volatile Organic Compounds

-- = Not Applicable

**Table 1. Groundwater Analytical Results Summary**  
**Former Arctic Laundry & Cleaners - 5619 22nd Avenue, Kenosha, Wisconsin / SCS Engineers Project #25216186.00**

Notes:

NR 140 ESs - Wisconsin Administrative Code (WAC), Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards from July 2015.

NR 140 PALs - WAC, Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards from July 2015.

**Bold+underlined** values meet or exceed NR 140 ESs.

*Italic+underlined* values meet or exceed NR 140 PALs.

8/23/1994, 10/20/1995, and 10/26/1995 samples collected by Sigma Environmental Services, Inc., of Oak Creek, WI  
2/6/2017, 2/21/2017, 10/3/2018, and 10/1/2019 samples collected by SCS Engineers of Madison, WI

Laboratory Notes/Qualifiers:

J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

B = Compound was found in the blank and sample.

Created by:	<u>LMH</u>	Date:	<u>2/21/2017</u>
Last revision by:	<u>LMH</u>	Date:	<u>9/3/2020</u>
Checked by:	<u>JSN</u>	Date:	<u>9/3/2020</u>
Proj Mgr QA/QC:	<u>REL</u>	Date:	<u>9/3/2020</u>