From: Beggs, Tauren R - DNR

Sent: Wednesday, March 24, 2021 1:37 PM

To: Nicole L. LaPlant

Subject: RE: Jagemann Plating - BRRTS #02-36-555544

Hi Nicole,

These revised locations look to be in much better locations for assessing the sub-slab vapors in the area of known VOC contamination. As we discussed, additional sub-slab locations may or may not be needed depending on the additional results received from the existing vapor pins and the new proposed vapor pin locations that are planned to be sampled as part of this upcoming work.

Regards,

We are committed to service excellence.

Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Tauren R. Beggs Phone: (920) 510-3472

<u>Tauren.Beggs@wisconsin.gov</u> (preferred contact method during work at home)

From: Nicole L. LaPlant <nlaplant@releeinc.com>

Sent: Tuesday, March 23, 2021 12:38 PM

To: Beggs, Tauren R - DNR < <u>Tauren.Beggs@wisconsin.gov</u>> **Subject:** RE: Jagemann Plating - BRRTS #02-36-555544

Hi Tauren -

I received your comments. Thank you appreciate your comments. We will adjust the proposed vapor pin locations as discussed yesterday. I spoke with Mike today. We went over the ideal locations and that would work based on the set up of machines. The current proposed locations are on the attached map. The vapor sampling is still scheduled for March 27, 2021.

Best Regards, Nicole



Nicole L. LaPlant - Robert E. Lee & Associates, Inc. 920-662-9641 nlaplant@releeinc.com

From: Beggs, Tauren R - DNR < Tauren. Beggs@wisconsin.gov>

Sent: Monday, March 22, 2021 12:52 PM
To: Nicole L. LaPlant nlaplant@releeinc.com

Subject: RE: Jagemann Plating - BRRTS #02-36-555544

Hi Nicole,

As discussed on the phone today, a couple general comments in regard to the work plan:

- The proposed new vapor pins should be moved within the southern portion of the building where the known groundwater contamination is located.
- The proposed sampling plan does not include an in-pipe sanitary sewer investigation to determine if vapor migration is occurring through the utility, so that will need to be completed.

A technical assistance or site investigation review with fee in the future after this proposed work and the work that will be completed in the summer may be a good option.

Regards,

We are committed to service excellence.

Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Tauren R. Beggs

Phone: (920) 510-3472

<u>Tauren.Beggs@wisconsin.gov</u> (preferred contact method during work at home)

From: Nicole L. LaPlant <nlaplant@releeinc.com>

Sent: Thursday, March 18, 2021 12:06 PM

To: Beggs, Tauren R - DNR < <u>Tauren.Beggs@wisconsin.gov</u>>

Subject: Jagemann Plating - BRRTS #02-36-555544

Hi Tauren -

I uploaded a *Supplemental Site Investigation Results and Proposed Additional Work* report last week on March 8th. I would like to schedule a brief phone call to discuss the proposed vapor/air sampling. We are scheduled to do the work on Saturday, 3/27. Can you let me know some days and times you may be available? I open most of the week.

There are a total of 3 indoor air samples and 5 sub-slab vapor samples we plan to collect at this time. A vapor data table for the building and map is attached for quick reference. The current proposed sampling plan is:

- 1. Install two (2) NEW vapor pins SSV-4 and SSV-5 within the manufacturing area and collect subslab vapor samples.
- 2. Collect three (3) sub-slab samples from existing vapor pins that are already in place at the locations of SSV-1, SSV-2, and SSV-3.
- 3. Collect three (3) indoor air samples from with the office area and basement at the sample locations we collected indoor air sample from previously. These air samples were called IA-4, IA-5, and IA-6. We will use the sample labels during this event. These samples are not paired with any of the sub-slabs are collecting.

(Note: I just noticed that the map has our sub-slabs labeled as an SS-x id. They should be labeled with an SSV-x instead.)

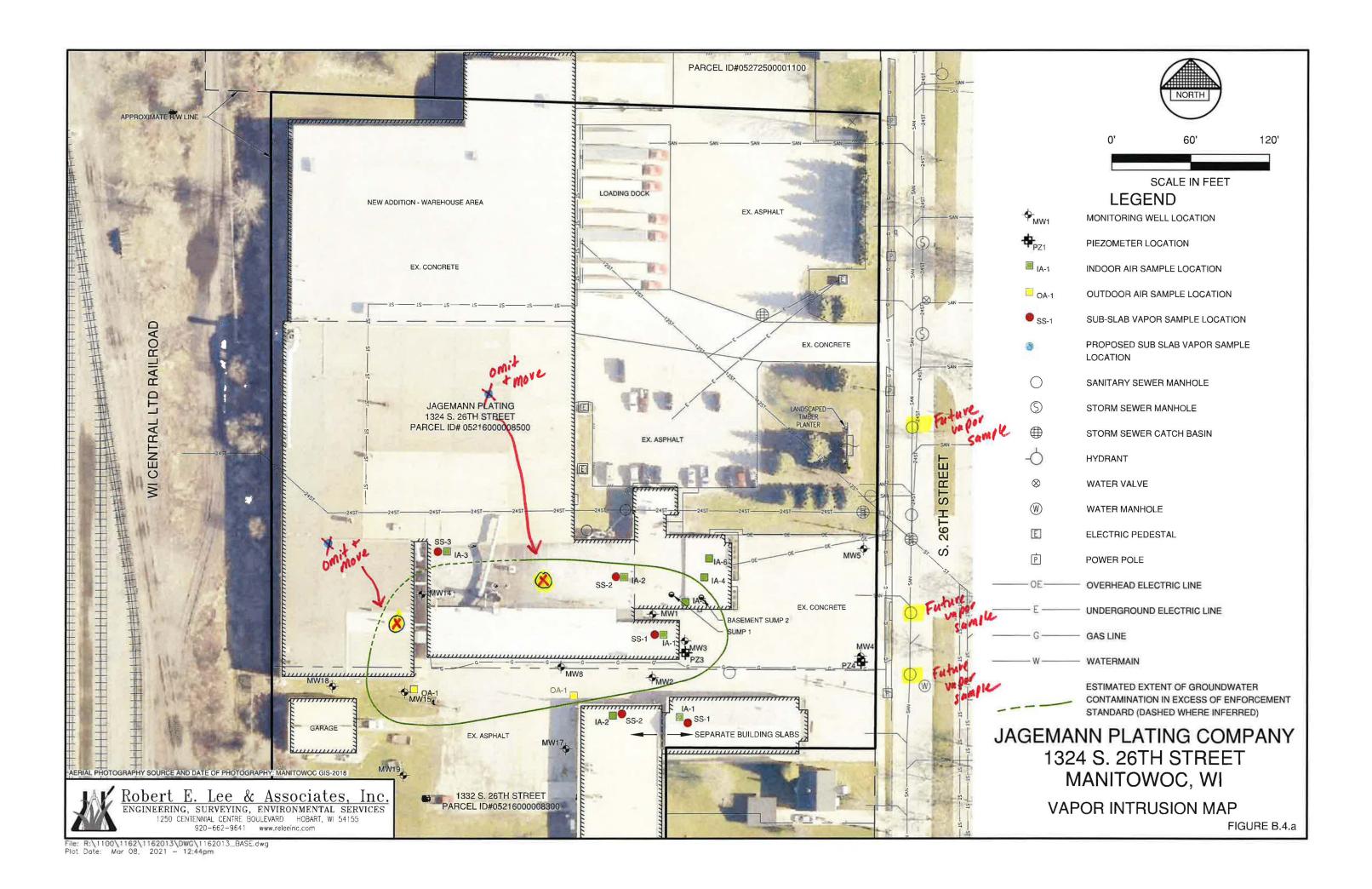
Thank you,

Nicole



Nicole L. LaPlant | Project Manager / Geologist Robert E. Lee & Associates, Inc.

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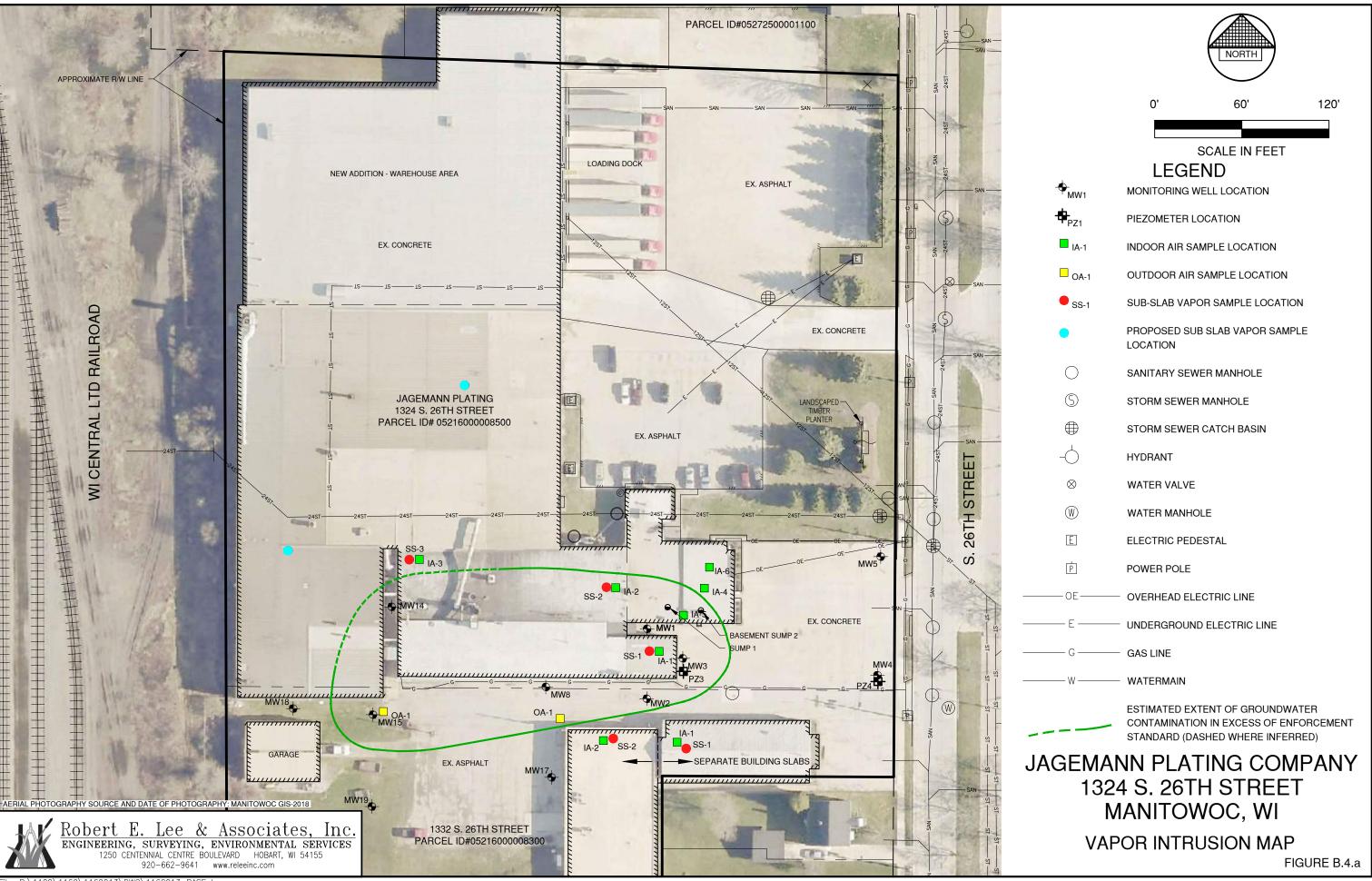


Table A.4.a - Vapor Analytical Table Jagemann Plating Building (Industrial) 1324 S 26th Street, Manitowoc, WI

Sample ID	Sample Type	Sample Location	Date Collected	Relevant VOCs (μg/m³)				
				1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
Residential Sub-Slab Vapor VRSL μg/m3				7,000	NE	NE	70	57
Small Commercial Sub-Slab Vapor VRSL µg/m3				29,000	NE	NE	290	930
Large Commercial/Industrial Sub-Slab VRSL μg/m ³				88,000	NE	NE	880	2,800
SSV-1	Sub-slab	Former Wastewater Treatment Plant Room	2/9/2014	26.9	540	57.5	1,530	86.7
SSV-2	Sub-slab	East of Chromium Dip Line Area	2/9/2014	ND	1,050	67.8	6,080	17.8
SSV-3	Sub-slab	West of Chromium Dip Line and Pickling Area	2/9/2014	ND	25.3	ND	57.7	21.1
Large Commerical/Industrial Indoor Air Vapor Action Level (VAL) µg/m3				880	NE	NE	8.8	28
IA-1	Indoor Air	Former Wastewater Treatment Plant Room - Paired with sub-slab sample SSV-1	2/9/2014	ND	ND	ND	0.89	0.39
IA-2	Indoor Air	East of Chromium Dip Line Area - Paired with sub-slab sample SS-2	2/9/2014	ND	ND	ND	1.7	ND
IA-3	Indoor Air	West of Chromium Dip Line and Pickling Area - Paired with sub- slab sample SSV-3	2/9/2014	ND	ND	ND	ND	ND
IA-4	Indoor Air	First Floor Office Area	2/9/2014	ND	5.2	ND	9.2	ND
IA-5	Indoor Air	Basement Storage Area adjacent to Mechanical Room	2/9/2014	ND	9.0	ND	14.4	ND
IA-6	Indoor Air	Basement Office Area	2/9/2014	ND	8.3	ND	13.9	ND
OA-1	Outdoor Air	Outdoor Background (Upwind)	2/9/2014	ND	ND	ND	ND	ND

Key:

NE - No screening level established

< - Not detected above laboratory detection limits

μg/m³ - Micrograms per cubic meter

J - Estimated concentration at or above the laboratory Limit of Detection and Limit of Quantitation

VRSL or VAL exceeded

Notes:

- 1.) Sub-slab samples were collected in 6-liter summa canister over a 30-minute period and analyzed using the U.S. EPA TO-15 analytical method
- 2.) The Vapor Risk Screening Level (VRSL) was obtained from WDNR's Quick Look-Up Table for Indoor Air Vapor Action Levels and Vapor Risk Screening Levels, based on November 2017 U.S. EPA Regional Screening Level Tables
- 3.) Samples collected on February 9, 2014 were collected prior to the vapor mitigation system installation in the area of the office.