



August 31, 2022

Mr. Bill Nicklas
Mr. Jim Baumgartner
D&C Partners, LLP
W223 N7658 Cherry Hill Road
Sussex, WI 53089
Via Electronic Mail Only to wjnicklas@gmail.com; jbaum777@gmail.com

Mr. Joe Deborkin
Cudahy Holdings, LLC
13 Buntrock Avenue
Thiensville, WI 53092
Via Electronic Mail Only to Joe@jomela.com

KEEP THIS LEGAL DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Case Closure with Continuing Obligations
Superior Linens-SW Corner Surface Spill, 5005 S. Packard Avenue, Cudahy, WI 53110
BRRTS #: 02-41-532649, FID #: 241780880

Dear Mr. Nicklas, Mr. Baumgartner, and Mr. Deborkin:

The Wisconsin Department of Natural Resources (DNR) is pleased to inform you that the Superior Linens case identified above met the requirements of Wisconsin Administrative (Wis. Admin.) Code chs. NR 700 to 799 for case closure with continuing obligations (COs). COs are legal requirements to address potential exposure to remaining contamination. No further investigation or remediation is required at this time for the reported hazardous substance discharge and/or environmental pollution.

However, you, future property owners and occupants of the property must comply with the COs as explained in this letter, which may include maintaining certain features and notifying the DNR and obtaining approval before taking specific actions. You must provide this letter and all enclosures to anyone who purchases, rents or leases this property from you. Some COs also apply to other properties or rights of way (ROWs) affected by the contamination as identified in the Continuing Obligation Summary section of this letter.

This case closure decision is issued under Wis. Admin. Code chs. NR 700 to 799 and is based on information received by the DNR to date. The DNR reviewed the case closure request for compliance with state laws and standards and determined the case closure request met the notification requirements of Wis. Admin. Code ch. NR 725, the response action goals of Wis. Admin. Code § NR 726.05(4), the case closure criteria of Wis. Admin. Code §§ NR 726.05, 726.09, 726.11, and Wis. Admin. Code ch. NR 140.

The Superior Linens site was investigated for the discharge of chlorinated solvents and other volatile organic compounds (VOCs) to the ground surface located outside the southwest corner of the main laundry building constructed in 1976 near the western property boundary. Soil contaminated with lead was also identified on the

northern and eastern portions of the property. Case closure is granted for the volatile organic compound (VOC) and lead contamination as documented in the case file. The site investigation and/or remedial action addressed soil, groundwater, and vapor. The remedial action consisted of excavation and offsite disposal of contaminated soil from along the western side of the main laundry building and the adjacent railroad right of way. Excavation of the contaminated soil was intended to address the direct contact risk posed by the contamination and to remove a significant source of groundwater and vapor contamination. Contamination remains in soil, groundwater, and vapor throughout the southwestern portion of the property and within the adjacent railroad right of way.

The case closure decision and COs required were based on the current use of the site for industrial purposes. The site is currently zoned limiting manufacturing district. Based on the land use and zoning, the site meets the industrial land use classification under Wis. Admin. Code § NR 720.05(5) for application of residual contaminant levels in soil.

SUMMARY OF CONTINUING OBLIGATIONS

COs are applied at the following locations:

ADDRESS (CITY, WI)	COS APPLIED	DATE OF MAINTENANCE PLAN(S)
5005 S. Packard Avenue, Cudahy, WI (Source Property)	Residual Soil Contamination	
	Cover (for soil)	May 1, 2022
	Residual Groundwater Contamination	
	Monitoring Wells could not be Properly Filled and Sealed	
	VI - Vapor Mitigation Systems	May 1, 2022
	VI - Commercial/Industrial Use	
Railroad right of way west of 5005 S. Packard Avenue, Cudahy, WI	VI - Future Concern	
	Residual Soil Contamination	
	Residual Groundwater Contamination	

CLOSURE CONDITIONS

Closure conditions are legally required conditions which include both COs and other requirements for case closure (Wis. Stat. § 292.12(2)). Under Wis. Stat. § 292.12(5), you, any subsequent property owners and occupants of the property must comply with the closure conditions as explained in this letter. The property owner must notify occupants for any condition specified in this letter under Wis. Admin. Code §§ NR 726.15(1)(b) and NR 727.05(2). If an occupant is responsible for maintenance of any closure condition specified in this letter, you and any subsequent property owner must include the condition in the lease agreement under Wis. Admin. Code § NR 727.05(3) and provide the maintenance plan to any occupant that is responsible.

DNR staff may conduct periodic pre-arranged inspections to ensure that the conditions included in this letter and the maintenance plans dated May 1, 2022 are met (Wis. Stat. § 292.11(8)). If these requirements are not followed, the DNR may take enforcement action under Wis. Stat. ch. 292 to ensure compliance with the closure conditions.

SOIL

Continuing Obligations to Address Soil Contamination

Residual Soil Contamination (Wis. Admin. Code chs. NR 718, NR 500 to 599, and § NR 726.15(2)(b) and Wis. Stat. ch. 289)

Soil contamination remains throughout the property. Chlorinated compounds and other volatile organic compounds were specifically located outside the southwest corner of the main laundry building, within the adjacent railroad right of way, and under the portion of the building constructed in 1976 and 2005 as indicated on the enclosed map (Figure B.2.B, Residual Soil Contamination, May 25, 2022). The extent of contaminated soil under the building is not precisely known and may extend over a greater area than what is estimated on this figure. If soil in the location(s) shown on the map is excavated in the future, the property owner or right of way holder at the time of excavation must sample and analyze the excavated soil. If sampling confirms that contamination is present, the property owner or right of way holder at the time of excavation will need to determine if the material is considered solid waste and ensure that any storage, treatment or disposal complies with applicable standards and rules. Contaminated soil may be managed under Wis. Admin. Code ch. NR 718 with prior DNR approval.

In addition, all current and future property owners, occupants and right of way holders need to be aware that excavation of the contaminated soil may pose an inhalation and direct contact hazard; special precautions may be needed to prevent a threat to human health.

Cover (for soil) (Wis. Stat. § 292.12(2)(a), Wis. Admin. Code §§ NR 724.13(1) and (2), NR 726.15(2)(d) and/or (e), NR 727.07(1))

The asphalt and concrete paving located adjacent to the southwest corner of the main laundry building, and the floors of the building portions constructed in 1976 and 2005, as shown on Figure 1, Extent of Soils Exceeding RCLs & Extent of Engineered Barrier, of the enclosed maintenance plan, dated May 1, 2022, shall be maintained in compliance with that plan. The purpose of the cover is to minimize the infiltration of water through VOC contaminated soil and prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

The cover approved for this closure was designed to be protective for commercial or industrial land uses. Before using the property for residential purposes and before taking an action, the property owner must notify the DNR to determine if additional response actions are warranted. A cover intended for industrial land uses or certain types of commercial land uses may not be protective if the property changes to a residential use. This may include, but is not limited to, single or multiple family residences, a school, day care, senior center, hospital or similar settings. In addition, a cover designed for multi-family residential housing use may not be appropriate for use at a single-family residence.

To modify or replace a cover, the property owner must submit a request to the DNR under Wis. Admin. Code ch. NR 727. The DNR approval must be obtained before implementation. The replacement or modified cover must be a structure of similar permeability or be protective of the revised use of the property until contaminant levels no longer exceed Wis. Admin. Code ch. NR 720 groundwater pathway residual contaminant levels and/or direct contact residual contaminant levels (RCLs).

GROUNDWATER

Continuing Obligations to Address Groundwater Contamination and/or Monitoring Wells

Residual Groundwater Contamination (Wis. Admin. Code ch. NR 140 and § NR 812.09(4)(w))

Groundwater contamination which equals or exceeds the enforcement standards for chlorinated volatile organic compounds and 1,4-dioxane is present throughout the southwest portion of the property and the adjacent railroad right of way, as shown on the enclosed maps (Figure B.3.B (1), Groundwater Isoconcentration (Shallow Glacial Till), September 1, 2021, and Figure B.3.B (2), Groundwater Isoconcentration (30-Foot Sand Seam), March 17, 2022). To construct a new well or reconstruct an existing well, the property owner must obtain prior DNR approval. Additional casing may be necessary to prevent contamination of the well.

Monitoring Wells could not be Properly Filled and Sealed (Wis. Admin. Code ch. NR 141 and § NR 726.15(2)(c)1.)

Monitoring well MW-4 located near the southwest corner of the main laundry building shown on the enclosed map, Figure B.3.D, Detailed Site Map, dated March 16, 2022, could not be properly filled and sealed because it was missing due to being paved over, covered or removed during site development activities. Your consultant made a reasonable effort to locate the well and to determine if it was properly filled and sealed. However, the well listed above is not located and remains open. You may be held liable under Wis. Stat. § 292.11 for any problems associated with the monitoring well if it creates a conduit for contaminants to enter groundwater. If the groundwater monitoring well is found, the owner of the property on which the well is located is required to properly fill and seal the well and submit the required documentation to the DNR.

VAPOR

Continuing Obligations to Address Vapor Contamination

Vapor intrusion (VI) is the movement of vapors coming from volatile chemicals in the soil or groundwater or within preferential pathways into buildings where people may breathe air contaminated by the vapors.

VI - Vapor Mitigation Systems: (Wis. Stat. § 292.12(2), Wis. Admin. Code § NR 726.15(2)(h), (i), (j) or (m))

Vapor mitigation systems, which may include vapor barriers, are used to interrupt the vapor pathway, thereby reducing or preventing vapors from moving into the building. Soil vapor beneath the southern portion of the main laundry building (the original portion constructed in 1976) building contains chlorinated VOCs at levels that would pose a risk to human health, if allowed to migrate into an occupied building on the property. See the enclosed map (Figure B.4.A, Vapor Intrusion Map, April 11, 2022).

A sub-slab depressurization system is located on the southwest corner of the main laundry building. Three sub-slab draw-points are installed through the building floor. An in-line fan draws vapors from the draw points and discharges it outside the building through a vertical riser pipe. The property owner shall maintain, operate and inspect the vapor mitigation system, installed in January 2013, in accordance with the enclosed maintenance plan, dated May 1, 2022. The building floor must also be kept in good repair to prevent vapors from migrating through the slab and to maintain the negative pressure produced by the operating mitigation system. System components must be repaired or replaced immediately upon discovery of a malfunction. The property owner shall document inspections on the VMS inspection log (Form 4400-321). See the Other Closure Requirements section of this letter for more details.

VI - Commercial/Industrial Use: (Wis. Stat. § 292.12(2), Wis. Admin. Code § NR 726.15(2)(k) or (m))

Soil vapor, soil, and groundwater beneath the main laundry building contains contamination at concentrations that pose a long-term risk to human health if allowed to migrate into an occupied building. Case closure is based on

the following site-specific exposure assumptions: industrial use with a well-maintained building floor and open building layout. Use of this property is restricted to the following uses: industrial. If changes in property or land use are planned, the property owner must evaluate whether the closure is protective for the proposed use. The DNR may require additional response actions. The property owner shall maintain the floor/building layout in accordance with the enclosed maintenance plan dated May 1, 2022.

VI - Future Concern: (Wis. Stat. § 292.12(2), Wis. Admin. Code § NR 726.15(2)(L) or (m), as applicable. Chlorinated VOCs remain in soil and groundwater throughout the southwestern portion of the property at concentrations that may be of concern for vapor intrusion in the future, if a building is constructed, renovated or expanded in an area where no building currently exists or if an existing building is remodeled. See the enclosed maps (Figure B.3.B (1), Groundwater Isoconcentration (Shallow Glacial Till), September 1, 2021, Figure B.2.B, Residual Soil Contamination, May 25, 2022, and Figure B.4.A, Vapor Intrusion Map, April 11, 2022). At the time of closure an approximately 32,000 sq. ft. building used as a commercial laundry is present in on the western portion of the property with two smaller buildings located on the southwest portion.

Vapor control technologies are required for new construction or for modification of occupied buildings on the property unless the property owner assesses the vapor pathway and the DNR agrees that vapor control technologies are not needed. The property owner shall maintain the current building use and layout.

See the Other Closure Requirements section for more details.

OTHER CLOSURE REQUIREMENTS

Maintenance Plan and Inspection Log (Wis. Admin. Code §§ NR 726.11(2), NR 726.15(1)(d), NR 727.05(1)(b)3., Wis. Admin. Code § NR 716.14(2) for monitoring wells)

The property owner is required to comply with the enclosed maintenance plan dated May 1, 2022 for the cover, to conduct inspections annually, and to use the inspection log (DNR Form 4400-305) to document the required inspections.

The property owner is also required to comply with the enclosed maintenance plan dated May 1, 2022 for the vapor mitigation system, to conduct inspections quarterly, and to use the inspection log (Form 4400-321 VMS Inspection Log) to document the required inspections.

The maintenance plans and inspection logs are to be kept up-to-date and on-site. The property owner shall submit the vapor mitigation system inspection log to the DNR annually, starting one year after the date of this letter, using the RR Program Submittal Portal. The property owner shall submit the cover inspection log to the DNR only upon request, using the RR Program Submittal Portal. See the DNR Notification and Approval Requirements section below for more information on how to access the Submittal Portal.

The limitations on activities are identified in the enclosed maintenance plan(s). The following activities are prohibited on any portion of this property where the barrier is required, without prior DNR approval.

- Removal of the existing barrier;
- replacement with another barrier;
- excavating or grading of the land surface;
- filling on capped or paved areas;
- plowing for agricultural cultivation;
- construction or placement of a building or other structure.

Pre-Approval Required for Well Construction (Wis. Admin. Code § NR 812.09(4)(w))

DNR approval is required before well construction or reconstruction for all sites identified as having residual contamination and/or COs. This requirement applies to private drinking water wells and high capacity wells. To obtain approval, the property owner is required to complete and submit Form 3300-254, Continuing Obligations/Residual Contamination Well Approval Application, to the DNR Drinking and Groundwater program's regional water supply specialist. A well driller can help complete this form. The form can be obtained online at dnr.wi.gov, search "3300-254." Additional casing may be necessary to help prevent contamination of the well.

General Wastewater Permits for Construction-related Dewatering Activities (Wis. Admin. Code ch. NR 200)

The DNR's Water Quality Program regulates point source discharges of contaminated water, including discharges to surface waters, storm sewers, pits, or to the ground surface. This includes discharges from construction-related dewatering activities, including utility work and building construction.

If the property owner or any other person plans to conduct such activities, that person must contact the Water Quality Program and, if necessary, apply for the required discharge permit. If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a general permit for discharge of *Contaminated Groundwater from Remedial Action Operations* may be needed. If water collecting in a pit/trench that requires dewatering is expected to be free of pollutants other than suspended solids, oil and grease, a general permit for pit/trench *Dewatering Operations* may be needed. Additional information can be obtained by visiting the DNR website at "dnr.wi.gov," search "wastewater general permits."

DNR NOTIFICATION AND APPROVAL REQUIREMENTS

Certain activities are limited at closed sites to maintain protectiveness to human health and the environment. The property owner is required to notify the DNR at least 45 days before and obtain approval from the DNR prior to taking the following actions (Wis. Admin. Code §§ NR 727.07, NR 726.15 (2), Wis. Stat. § 292.12(6)).

- Before removing a cover or any portion of a cover
- Before deciding to no longer use the vapor mitigation system, to shut off the fan or disrupt or abandon the vapor mitigation system, or before making any change to the vapor mitigation system or to a vapor barrier
- Before changing the use or occupancy to a different commercial or industrial use or to a residential exposure setting
- Before constructing a building and/or modifying use of or the construction of an existing building or changing property use. Certain activities are limited at closed sites to reduce the risk of exposure to residual contamination via vapor intrusion. For properties with a continuing obligation for addressing the future risk of vapor intrusion when buildings exist at the time of closure approval, changes to the current building use and layout are prohibited without prior DNR approval. This includes any change in building construction, reconstruction or partial demolition. The DNR may require additional actions may be required at that time to re-assess for vapor intrusion and mitigate, as appropriate.

The DNR may require additional investigation and/or cleanup actions if necessary, to be protective of human health and the environment. The case may be reopened under Wis. Admin. Code § NR 727.13 if additional information indicates that contamination on or from the site poses a threat, or for a lack of compliance with a CO or closure requirement. Compliance with the maintenance plan is considered when evaluating the reopening criteria.

SUBMITTALS AND CONTACT INFORMATION

Site, case-related information and DNR contacts can be found online in the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW); go to dnr.wi.gov and search "BOTW." Use the BRRTS ID # found at the top of this letter. The site can also be found on the map view, Remediation and Redevelopment Sites Map (RRSM) by searching "RRSM."

Send written notifications and monitoring well filling and sealing forms to the DNR using the RR Program Submittal Portal at dnr.wi.gov, search "RR submittal portal" (<https://dnr.wi.gov/topic/Brownfields/Submittal.html>). Questions on using this portal can be directed to the Project Manager below or to the environmental program associate (EPA) for the regional DNR office. Visit dnr.wi.gov, search "RR contacts" and select the EPA tab (<https://dnr.wi.gov/topic/Brownfields/Contact.html>).

CLOSING

The DNR appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact DNR project manager Paul Grittner at (414) 405-0764 or paul.grittner@wisconsin.gov.

Sincerely,



Pamela A. Mylotta
Southeast Region Team Supervisor
Remediation & Redevelopment Program

Attachments:

Figure B.3.B (1), Groundwater Isoconcentration (Shallow Glacial Till), September 1, 2021
Figure B.3.B (2), Groundwater Isoconcentration (30-Foot Sand Seam), March 17, 2022
Figure B.2.B, Residual Soil Contamination, May 25, 2022
Figure B.3.D, Detailed Site Map, March 16, 2022
Figure B.4.A, Vapor Intrusion Map, April 11, 2022
Attachment D, Cover or Barrier Maintenance Plan, May 1, 2022
Inspection Log (DNR Form 4400-305)
Attachment D, Sub-Slab Depressurization System (SSDS) Operations & Maintenance Plan, May 1, 2022
Inspection Log (DNR Form 4400-321: Vapor Mitigation System Inspection Log)

cc: Steve Swenson – SM&A/Terracon (steves@st-ma.com)
Nick Swartz – Superior Health Linens (nswartz@superiorhealthlinens.com)
M. Andrew Skwierawski, Davis & Kuelthau, s.c. (askwierawski@dkattorneys.com)
Kevin Peterburs - Union Pacific Railroad (kjpeterb@up.com)

Additional Resources:

The DNR fact sheets listed below can be obtained by visiting the DNR website at "dnr.wi.gov," search the DNR publication number.

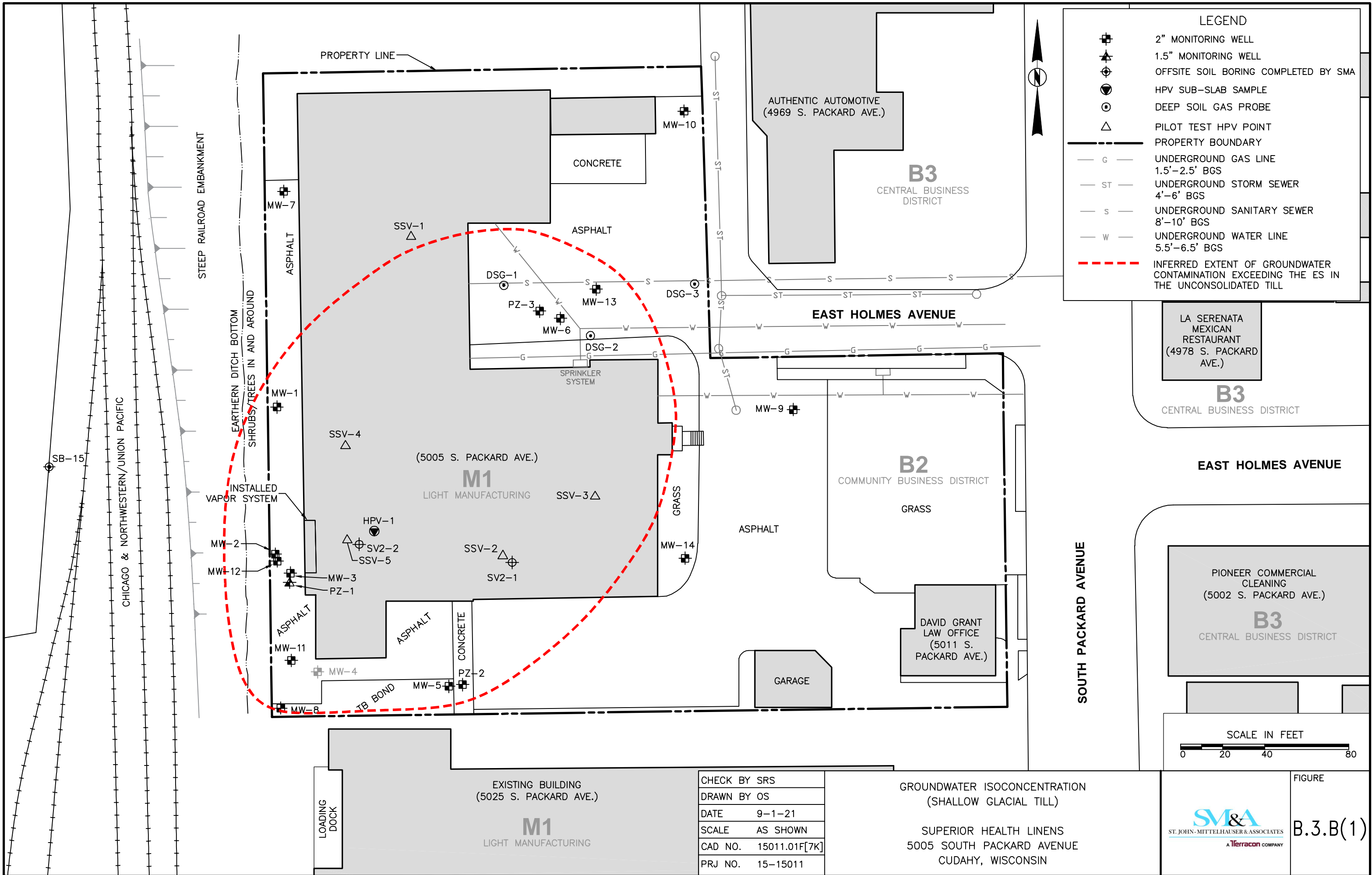
Guidance for Electronic Submittals for the Remediation and Redevelopment Program (RR-690)

Continuing Obligations for Environmental Protection (RR-819)

Environmental Contamination and Your Real Estate (RR-973)

Post-Closure Modifications: Changes to Property Conditions after a State-Approved Cleanup (RR-987)

Using Natural Attenuation to Clean Up Contaminated Groundwater: What Landowners Should Know (RR-671)



LEGEND

- ⊕ 2" MONITORING WELL
- ⊕ 1.5" MONITORING WELL
- ⊕ OFFSITE SOIL BORING COMPLETED BY SMA
- HPV SUB-SLAB SAMPLE
- ⊙ DEEP SOIL GAS PROBE
- △ PILOT TEST HPV POINT
- PROPERTY BOUNDARY
- G — UNDERGROUND GAS LINE 1.5'-2.5' BGS
- ST — UNDERGROUND STORM SEWER 4'-6' BGS
- S — UNDERGROUND SANITARY SEWER 8'-10' BGS
- W — UNDERGROUND WATER LINE 5.5'-6.5' BGS
- - - INFERRED EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING THE ES IN THE UNCONSOLIDATED TILL

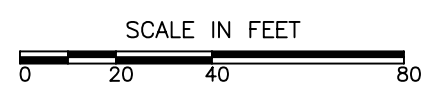
LA SERENATA MEXICAN RESTAURANT (4978 S. PACKARD AVE.)

B3
CENTRAL BUSINESS DISTRICT

EAST HOLMES AVENUE

PIONEER COMMERCIAL CLEANING (5002 S. PACKARD AVE.)

B3
CENTRAL BUSINESS DISTRICT



CHECK BY	SRS
DRAWN BY	OS
DATE	9-1-21
SCALE	AS SHOWN
CAD NO.	15011.01F[7K]
PRJ NO.	15-15011

GROUNDWATER ISOCONCENTRATION (SHALLOW GLACIAL TILL)

SUPERIOR HEALTH LINENS
5005 SOUTH PACKARD AVENUE
CUDAHY, WISCONSIN

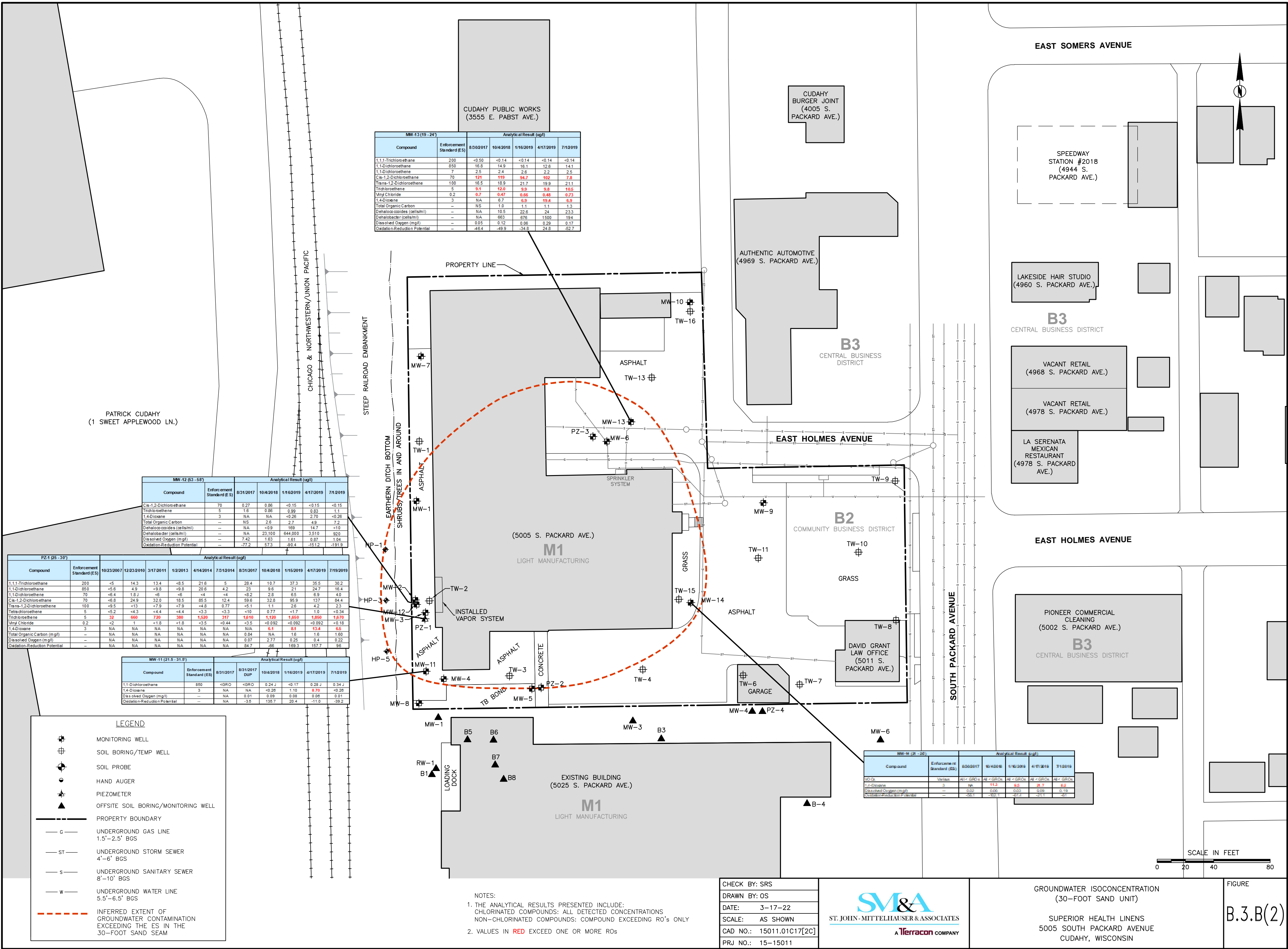


FIGURE
B.3.B(1)

EXISTING BUILDING (5025 S. PACKARD AVE.)

M1
LIGHT MANUFACTURING

LOADING DOCK



MW-13 (19 - 24)

Compound	Enforcement Standard (ES)	8/30/2017	10/4/2018	1/16/2019	4/17/2019	7/12/2019
1,1,1-Trichloroethane	200	<0.50	<0.14	<0.14	<0.14	<0.14
1,1-Dichloroethane	850	16.8	14.9	16.1	12.8	14.1
1,1-Dichloroethene	7	2.5	2.4	2.6	2.2	2.5
Cis-1,2-Dichloroethane	70	121	119	94.7	102	7.8
Trans-1,2-Dichloroethane	100	16.5	18.9	21.7	19.9	21.1
Trichloroethene	5	9.1	12.9	9.9	9.8	10.5
Vinyl Chloride	0.2	0.7	0.47	0.66	0.48	0.23
1,4-Dioxane	3	NA	6.7	6.9	19.4	6.9
Total Organic Carbon	--	NS	1.0	1.1	1.1	1.3
Dehaloacozides (cells/ml)	--	NA	10.5	22.6	24	23.3
Dehalobacter (cells/ml)	--	NA	863	679	1500	194
Dissolved Oxygen (mg/l)	--	0.05	0.12	0.06	0.29	0.17
Oxidation-Reduction Potential	--	-46.4	-49.9	-34.8	24.8	-52.7

MW-12 (53 - 58)

Compound	Enforcement Standard (ES)	8/31/2017	10/4/2018	1/16/2019	4/17/2019	7/12/2019
Cis-1,2-Dichloroethane	70	0.27	0.86	<0.15	<0.15	<0.15
Trichloroethene	5	1.6	0.86	0.99	0.83	1.1
1,4-Dioxane	3	NA	NA	<0.26	2.70	<0.26
Total Organic Carbon	--	NS	2.8	2.7	4.9	7.2
Dehaloacozides (cells/ml)	--	NA	<0.9	169	14.7	<10
Dehalobacter (cells/ml)	--	NA	23,100	644,000	3,510	920
Dissolved Oxygen (mg/l)	--	7.42	1.63	1.61	0.87	1.04
Oxidation-Reduction Potential	--	-77.2	57.3	-90.4	-151.2	-181.9

PZ-1 (25 - 30)

Compound	Enforcement Standard (ES)	10/23/2007	12/23/2010	3/17/2011	1/2/2013	4/14/2014	7/31/2014	8/31/2017	10/4/2018	1/16/2019	4/17/2019	7/19/2019
1,1,1-Trichloroethane	200	<5	14.3	13.4	<5	21.8	5	28.4	10.7	37.3	35.5	30.2
1,1-Dichloroethane	850	<5.6	4.9	<9.8	<9.8	20.6	4.2	23	9.6	21	24.7	16.4
1,1-Dichloroethene	70	<6.4	1.8 J	<6	<6	4	4	<8.2	2.8	6.5	6.9	4.0
Cis-1,2-Dichloroethane	70	<6.8	24.9	32.0	18.5	85.5	12.4	59.6	32.6	95.9	137	84.4
Trans-1,2-Dichloroethane	100	<9.5	<13	<19	<19	<4.8	0.77	<5.1	1.1	2.6	4.2	2.3
Trichloroethene	5	<5.2	<4.3	<4.4	<4.4	<3.3	<3.3	<10	0.77	<1.7	1.0	<0.34
Trichloroethene	5	32	660	720	380	1,520	317	1,610	1,120	1,850	1,850	1,670
Vinyl Chloride	0.2	<2	1	<1.8	<1.8	<3.5	<0.44	<3.5	<0.092	<0.092	<0.092	<0.18
1,4-Dioxane	3	NA	NA	NA	NA	NA	NA	6.1	6.1	15.4	6.5	6.5
Total Organic Carbon (mg/l)	--	NA	NA	NA	NA	NA	NA	0.84	NA	1.6	1.6	1.60
Dissolved Oxygen (mg/l)	--	NA	NA	NA	NA	NA	NA	0.07	2.77	0.25	0.4	0.22
Oxidation-Reduction Potential	--	NA	NA	NA	NA	NA	NA	84.7	-66	169.3	157.7	96

MW-11 (21.5 - 31.9)

Compound	Enforcement Standard (ES)	8/31/2017	8/31/2017 DUP	10/4/2018	1/16/2019	4/17/2019	7/12/2019
1,1-Dichloroethane	850	<GRO	<GRO	0.24 J	<0.17	0.28 J	0.34 J
1,4-Dioxane	3	NA	NA	<0.26	1.10	8.70	<0.26
Dissolved Oxygen (mg/l)	--	NA	0.91	0.99	0.98	0.98	0.91
Oxidation-Reduction Potential	--	NA	-3.5	136.7	30.4	-11.0	-39.2

MW-16 (25 - 28)

Compound	Enforcement Standard (ES)	8/30/2017	10/4/2018	1/16/2019	4/17/2019	7/12/2019	
1,4-Dioxane	3	NA	NA	11.3	6.5	21.7	6.2
Dissolved Oxygen (mg/l)	--	0.02	0.06	0.05	0.09	0.19	0.19
Oxidation-Reduction Potential	--	<NA	<NA	<NA	<NA	<NA	<NA

LEGEND

- ⊕ MONITORING WELL
- ⊕ SOIL BORING/TEMP WELL
- ⊕ SOIL PROBE
- ⊕ HAND AUGER
- ⊕ PIEZOMETER
- ▲ OFFSITE SOIL BORING/MONITORING WELL
- PROPERTY BOUNDARY
- G — UNDERGROUND GAS LINE 1.5'–2.5' BGS
- ST — UNDERGROUND STORM SEWER 4'–6' BGS
- S — UNDERGROUND SANITARY SEWER 8'–10' BGS
- W — UNDERGROUND WATER LINE 5.5'–6.5' BGS
- - - INFERRED EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING THE ES IN THE 30-FOOT SAND SEAM

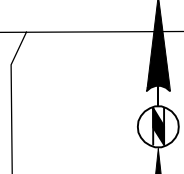
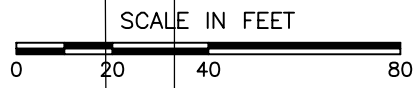
NOTES:
 1. THE ANALYTICAL RESULTS PRESENTED INCLUDE: CHLORINATED COMPOUNDS: ALL DETECTED CONCENTRATIONS NON-CHLORINATED COMPOUNDS: COMPOUND EXCEEDING RO'S ONLY
 2. VALUES IN RED EXCEED ONE OR MORE RO'S

CHECK BY: SRS
 DRAWN BY: OS
 DATE: 3-17-22
 SCALE: AS SHOWN
 CAD NO.: 15011.01C17[2C]
 PRJ NO.: 15-15011



GROUNDWATER ISOCONCENTRATION (30-FOOT SAND UNIT)
 SUPERIOR HEALTH LINENS
 5005 SOUTH PACKARD AVENUE
 CUDAHY, WISCONSIN

FIGURE
B.3.B(2)



EAST SOMERS AVENUE

EAST HOLMES AVENUE

EAST HOLMES AVENUE

SOUTH PACKARD AVENUE

CUDAHY PUBLIC WORKS
 (3555 E. PABST AVE.)

CUDAHY BURGER JOINT
 (4005 S. PACKARD AVE.)

AUTHENTIC AUTOMOTIVE
 (4969 S. PACKARD AVE.)

SPEEDWAY STATION #2018
 (4944 S. PACKARD AVE.)

LAKESIDE HAIR STUDIO
 (4960 S. PACKARD AVE.)

B3
 CENTRAL BUSINESS DISTRICT

VACANT RETAIL
 (4968 S. PACKARD AVE.)

VACANT RETAIL
 (4978 S. PACKARD AVE.)

LA SERENATA MEXICAN RESTAURANT
 (4978 S. PACKARD AVE.)

B3
 CENTRAL BUSINESS DISTRICT

EAST HOLMES AVENUE

B2
 COMMUNITY BUSINESS DISTRICT

B3
 CENTRAL BUSINESS DISTRICT

PIONEER COMMERCIAL CLEANING
 (5002 S. PACKARD AVE.)

DAVID GRANT LAW OFFICE
 (5011 S. PACKARD AVE.)

(5005 S. PACKARD AVE.)
M1
 LIGHT MANUFACTURING

EXISTING BUILDING
 (5025 S. PACKARD AVE.)
M1
 LIGHT MANUFACTURING

PATRICK CUDAHY
 (1 SWEET APPLEWOOD LN.)

HA-17 (11/15/2021)			
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)
cis-1,2-Dichloroethane	2,340	0.0412	0.0371
Trichloroethene	8.41	0.0036	2.42
Xylenes	260	3.96	0.0534

HA-15 (11/15/2021)			
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)
cis-1,2-Dichloroethane	2,340	0.0412	0.22
1,1,1-Trichloroethane	640	0.1402	0.299
Trichloroethene	8.41	0.0036	1.94
Xylenes	260	3.96	0.15

HA-1 (10/29/2021)			
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)
Toluene	818	1.1072	0.0927
Trichloroethene	8.41	0.0036	0.128
Total Xylenes	260	3.96	0.175
cis-1,2-Dichloroethane	2,340	0.0412	<0.128

HA-3 (10/29/2021)			
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)
Toluene	818	1.1072	0.13
1,1,1-Trichloroethane	640	0.1402	0.116
Trichloroethene	8.41	0.0036	1.16
1,2,4-Trimethylbenzene	219	1.3787	0.122
Xylenes	260	3.96	0.247

HA-5 (10/29/2021)			
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)
Ethylbenzene	35.4	1.57	0.0471
Tetrachloroethene	145	0.0045	0.0664
Toluene	818	1.1072	0.134
Trichloroethene	8.41	0.0036	0.245
1,2,4-Trimethylbenzene	219	1.3787	0.149
Xylenes	260	3.96	0.336

MW-12 (6/6-6/14/2017)			
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)
Cis-1,2-Dichloroethane	2,340	0.0412	0.209
Tetrachloroethene	145	0.0045	0.137
1,1,1-Trichloroethane	640	0.1402	0.126
Trichloroethene	8.41	0.0036	2.05

HA-21 (8/19/2004)			
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)
Tetrachloroethene	145	0.0045	0.176
1,1,1-Trichloroethane	640	0.1402	0.081
Trichloroethene	8.41	0.0036	6.94

HA-7 (10/29/2021)			
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)
Trichloroethene	8.41	0.0036	0.331
Xylenes	260	3.96	0.131

HA-8 (10/29/2021)			
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)
cis-1,2-Dichloroethane	2,340	0.0412	0.0774
Tetrachloroethene	145	0.0045	0.0692
1,1,1-Trichloroethane	640	0.1402	0.177
Trichloroethene	8.41	0.0036	41.5
Xylenes	260	3.96	0.0778

HA-9 (10/29/2021)			
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)
Carbon Tetrachloride	4.25	0.0039	0.106
Tetrachloroethene	145	0.0045	0.049
Toluene	818	1.1072	0.0792
1,1,1-Trichloroethane	640	0.1402	0.766
Trichloroethene	8.41	0.0036	0.405
1,2,4-Trimethylbenzene	219	1.3787	0.0748
Xylenes	260	3.96	0.167

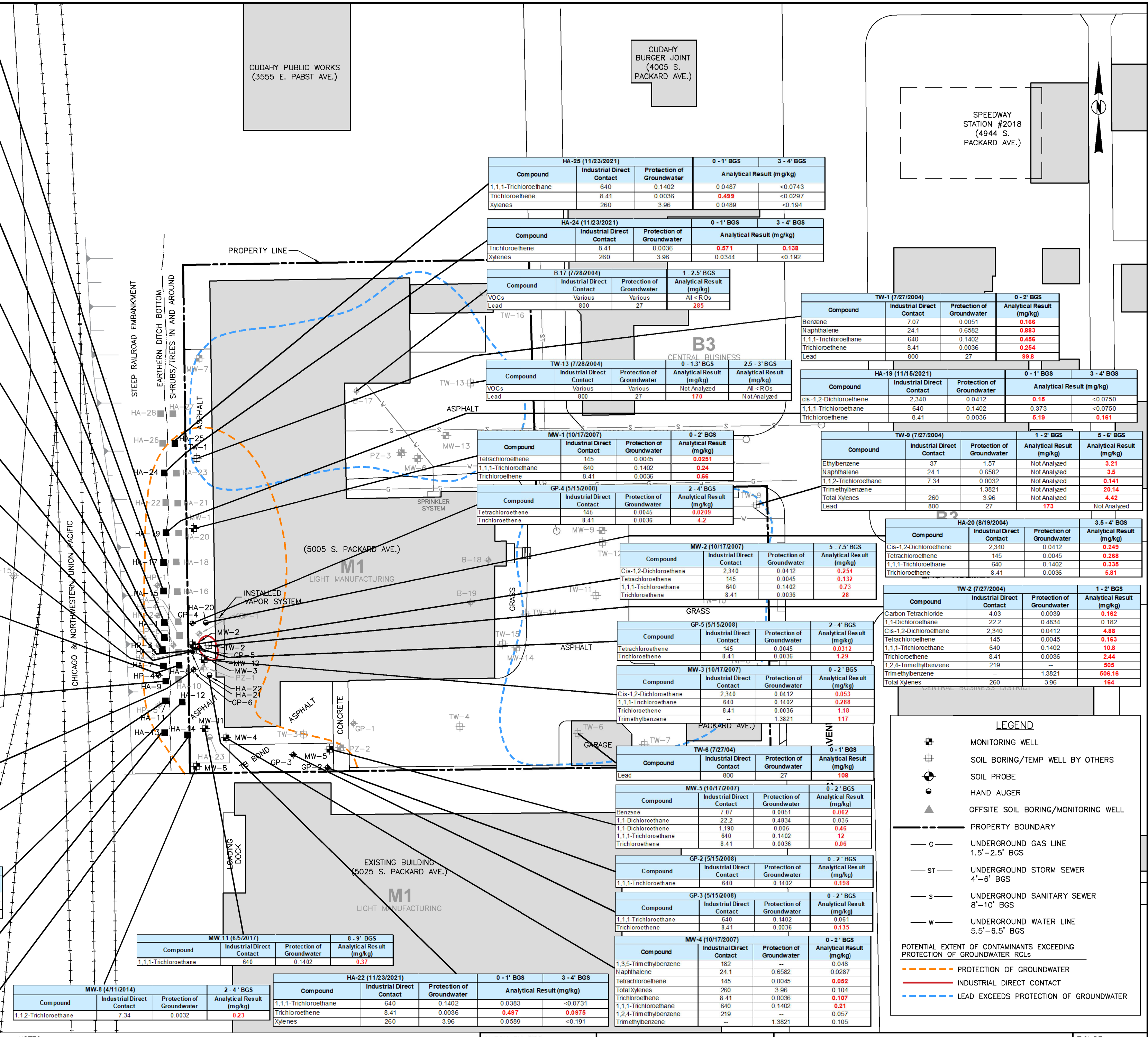
GP-6 (5/15/2008)			
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)
Tetrachloroethene	145	0.0045	0.042
Trichloroethene	8.41	0.0036	1.08

HA-11 (11/15/2021)			
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)
Toluene	818	1.1072	<0.186
Trichloroethene	8.41	0.0036	0.0719
1,2,4-Trimethylbenzene	219	1.3787	0.136
Xylenes	260	3.96	0.0875

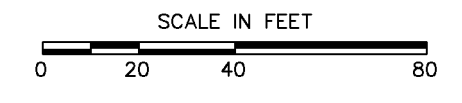
HA-12 (11/15/2021)			
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)
1,1,1-Trichloroethane	640	0.1402	0.242
Trichloroethene	8.41	0.0036	1.22
Xylenes	260	3.96	0.0377

HA-13 (11/15/2021)			
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)
1,1,1-Trichloroethane	640	0.1402	0.077
Trichloroethene	8.41	0.0036	0.091
Xylenes	260	3.96	0.134

HA-14 (11/15/2021)			
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)
Tetrachloroethene	145	0.0045	0.0346
Toluene	818	1.1072	0.0415
1,1,1-Trichloroethane	640	0.1402	0.192
1,1,2-Trichloroethane	7.34	0.32	0.0219
Trichloroethene	8.41	0.0036	0.202
Xylenes	260	3.96	0.0838



NOTES:
 1. THE ANALYTICAL DATA IS BASED ON TABLE A.2 "SOIL ANALYTICAL RESULTS" OF KEY ENGINEERING'S CLOSURE REPORT, DATED MAY 2016
 2. THE ANALYTICAL RESULTS PRESENTED INCLUDE:
 CHLORINATED COMPOUNDS: ALL DETECTED CONCENTRATIONS
 NON-CHLORINATED COMPOUNDS: COMPOUND EXCEEDING RO'S ONLY
 3. VALUES IN RED EXCEED ONE OR MORE RO'S

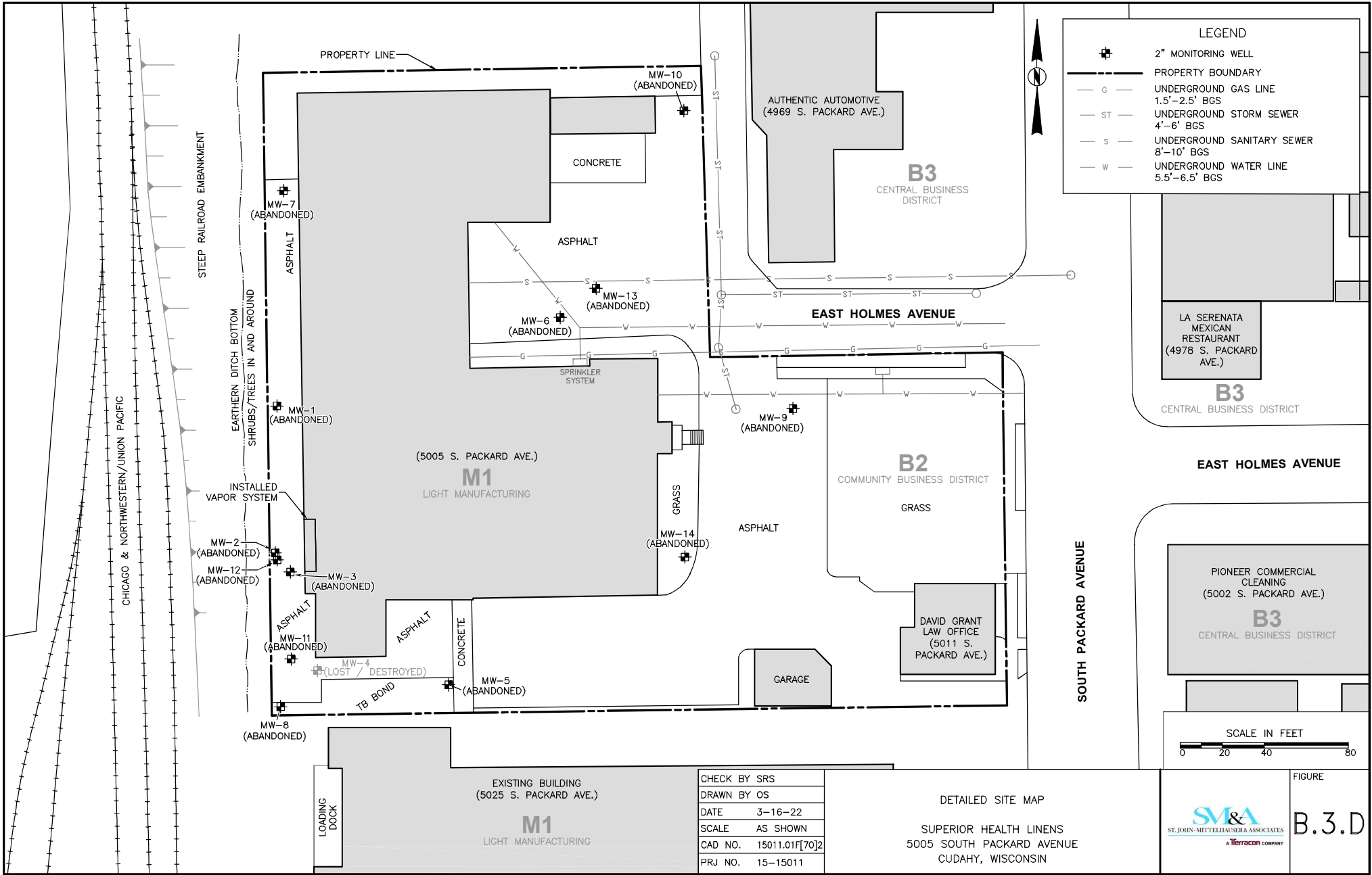


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 SCALE: AS SHOWN
 CAD NO.: 15011.01C2[4]
 PRJ NO.: 15-15011



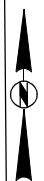
RESIDUAL SOIL CONTAMINATION
 SUPERIOR HEALTH LINENS
 5005 SOUTH PACKARD AVENUE
 CUDAHY, WISCONSIN

FIGURE
B.2.B



LEGEND

- ⊕ 2" MONITORING WELL
- — — — — PROPERTY BOUNDARY
- G — UNDERGROUND GAS LINE
1.5'-2.5' BGS
- ST — UNDERGROUND STORM SEWER
4'-6' BGS
- S — UNDERGROUND SANITARY SEWER
8'-10' BGS
- W — UNDERGROUND WATER LINE
5.5'-6.5' BGS



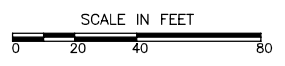
LA SERENATA
MEXICAN
RESTAURANT
(4978 S. PACKARD
AVE.)

B3
CENTRAL BUSINESS DISTRICT

EAST HOLMES AVENUE

PIONEER COMMERCIAL
CLEANING
(5002 S. PACKARD AVE.)

B3
CENTRAL BUSINESS DISTRICT



LOADING DOCK

EXISTING BUILDING
(5025 S. PACKARD AVE.)

M1
LIGHT MANUFACTURING

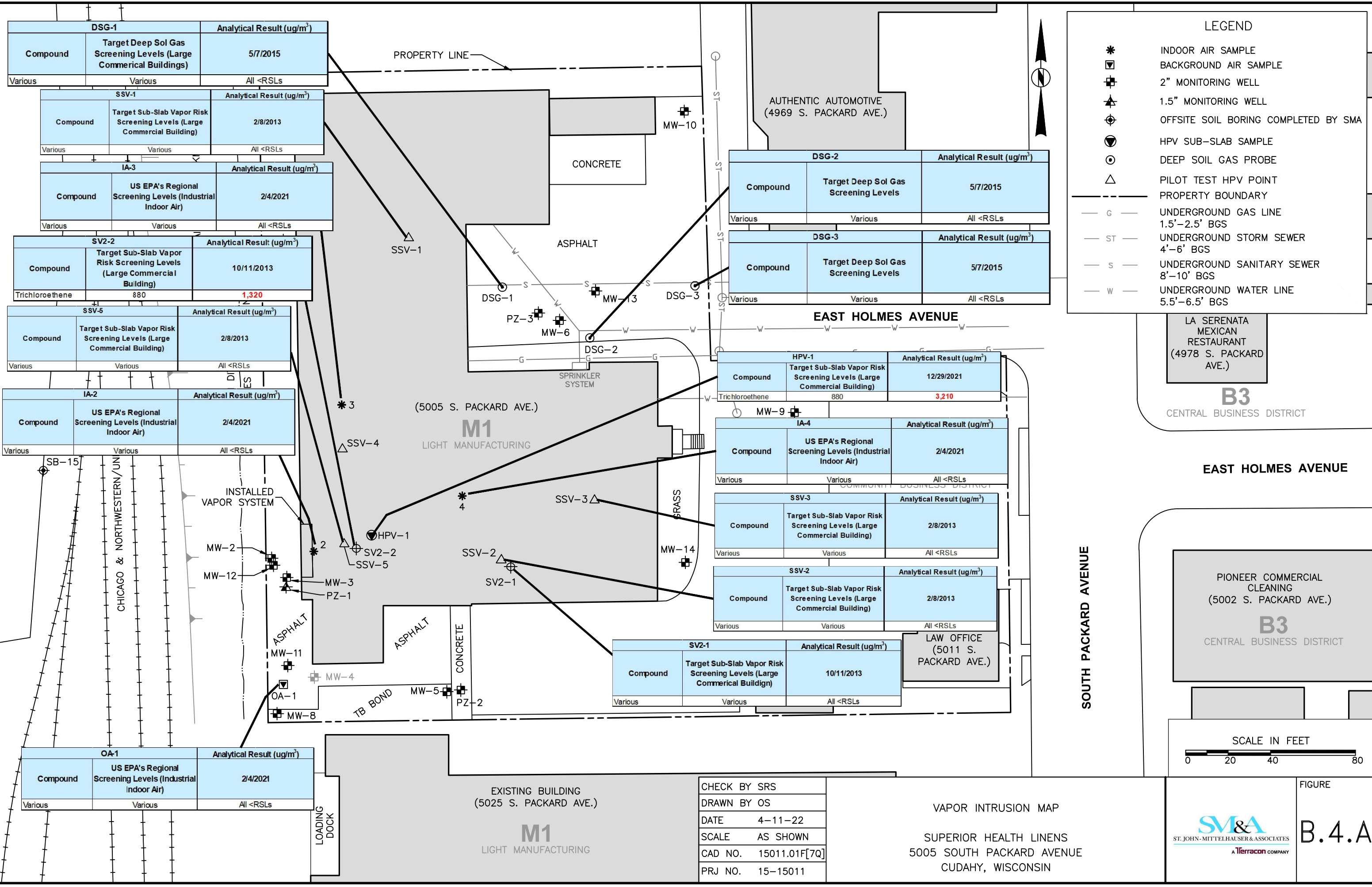
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DATE	3-16-22
SCALE	AS SHOWN
CAD NO.	15011.01F[70]2
PRJ NO.	15-15011

DETAILED SITE MAP

SUPERIOR HEALTH LINENS
5005 SOUTH PACKARD AVENUE
CUDAHY, WISCONSIN



FIGURE
B.3.D



DSG-1		Analytical Result (ug/m³)
Compound	Target Deep Sol Gas Screening Levels (Large Commercial Buildings)	5/7/2015
Various	Various	All <RSLs

SSV-1		Analytical Result (ug/m³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	2/8/2013
Various	Various	All <RSLs

IA-3		Analytical Result (ug/m³)
Compound	US EPA's Regional Screening Levels (Industrial Indoor Air)	2/4/2021
Various	Various	All <RSLs

SV2-2		Analytical Result (ug/m³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	10/11/2013
Trichloroethene	880	1,320

SSV-5		Analytical Result (ug/m³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	2/8/2013
Various	Various	All <RSLs

IA-2		Analytical Result (ug/m³)
Compound	US EPA's Regional Screening Levels (Industrial Indoor Air)	2/4/2021
Various	Various	All <RSLs

SV2-1		Analytical Result (ug/m³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	10/11/2013
Various	Various	All <RSLs

SV2-2		Analytical Result (ug/m³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	10/11/2013
Various	Various	All <RSLs

SV2-3		Analytical Result (ug/m³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	10/11/2013
Various	Various	All <RSLs

SV2-4		Analytical Result (ug/m³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	10/11/2013
Various	Various	All <RSLs

SV2-5		Analytical Result (ug/m³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	10/11/2013
Various	Various	All <RSLs

SV2-6		Analytical Result (ug/m³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	10/11/2013
Various	Various	All <RSLs

DSG-2		Analytical Result (ug/m³)
Compound	Target Deep Sol Gas Screening Levels	5/7/2015
Various	Various	All <RSLs

DSG-3		Analytical Result (ug/m³)
Compound	Target Deep Sol Gas Screening Levels	5/7/2015
Various	Various	All <RSLs

HPV-1		Analytical Result (ug/m³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	12/29/2021
Trichloroethene	880	3,210

IA-4		Analytical Result (ug/m³)
Compound	US EPA's Regional Screening Levels (Industrial Indoor Air)	2/4/2021
Various	Various	All <RSLs

SSV-3		Analytical Result (ug/m³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	2/8/2013
Various	Various	All <RSLs

SSV-2		Analytical Result (ug/m³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	2/8/2013
Various	Various	All <RSLs

SV2-1		Analytical Result (ug/m³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	10/11/2013
Various	Various	All <RSLs

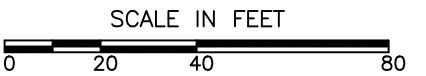
LEGEND	
* (star)	INDOOR AIR SAMPLE
☐ (square)	BACKGROUND AIR SAMPLE
⊕ (circle with cross)	2" MONITORING WELL
⊕ (circle with cross, smaller)	1.5" MONITORING WELL
⊕ (circle with cross, triangle)	OFFSITE SOIL BORING COMPLETED BY SMA
⊕ (circle with cross, circle)	HPV SUB-SLAB SAMPLE
⊕ (circle with cross, circle with dot)	DEEP SOIL GAS PROBE
⊕ (circle with cross, triangle)	PILOT TEST HPV POINT
---	PROPERTY BOUNDARY
— G —	UNDERGROUND GAS LINE 1.5'-2.5' BGS
— ST —	UNDERGROUND STORM SEWER 4'-6' BGS
— S —	UNDERGROUND SANITARY SEWER 8'-10' BGS
— W —	UNDERGROUND WATER LINE 5.5'-6.5' BGS

LA SERENATA MEXICAN RESTAURANT (4978 S. PACKARD AVE.)

B3
CENTRAL BUSINESS DISTRICT

EAST HOLMES AVENUE

PIONEER COMMERCIAL CLEANING (5002 S. PACKARD AVE.)
B3
CENTRAL BUSINESS DISTRICT



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DRAWN BY OS
DATE 4-11-22
SCALE AS SHOWN
CAD NO. 15011.01F[7Q]
PRJ NO. 15-15011

VAPOR INTRUSION MAP
SUPERIOR HEALTH LINENS
5005 SOUTH PACKARD AVENUE
CUDAHY, WISCONSIN

SMA
ST. JOHN - MITTELHAUSER & ASSOCIATES
A Terracon COMPANY

FIGURE
B.4.A

COVER or BARRIER MAINTENANCE PLAN

May 1, 2022

Property Located at: 5005 South Packard Avenue, Cudahy, Wisconsin

FID#: 241780880

WNDR BRTTS: #02-41-532649

LEGAL DESCRIPTION: CERTIFIED SURVEY MAP NO. 7617, Lot 1 NW 26-6-22

TAX PARCEL ID #: 6310088001

Introduction

This document is the Maintenance Plan for an engineered barrier consisting of asphalt pavement at the above-referenced property in accordance with the requirements of s. NR 724.13 (2), Wis. Adm. Code. The maintenance activities relate to the existing asphalt pavement which addresses or occupies the area over the contaminated soil.

More site-specific information about this property/site may be found in:

- The case file in the DNR Southeast office
- At <http://dnr.wi.gov/topic/Brownfields/wrrd.html>, which includes:
 - o BRTTS on the Web (DNR's internet based data base of contaminated sites) for the link to a PDF for site-specific information at the time of closure and on continuing obligations;
 - o RR Sites Map for a map view of the site, and
- The DNR project manager for Milwaukee County.

Description of Contamination

Soil contaminated by petroleum constituents (1,2,4-trimethylbenzene) is located at a depth within 4 feet of the ground surface between the west wall of the building and the Union Pacific Right of Way. In addition, soils containing chlorinated volatile organic compounds (CVOCs) exist in the soils at the southwest corner of the property and potentially extend under the southwest corner of the building. The extent of the soil contamination exceeding the direct contact RCLs and/or the protection of groundwater RCLs is shown on the Figure in Attachment D.2

Description of the Engineered Barrier to be Maintained

The engineered barrier to the south and west of the building consists of asphalt pavement, approximately 4-inches in thickness. The engineered barrier within the building footprint consists of approximately 4-inches of poured concrete. The location of the engineered barrier is shown on Figure in Attachment D.2. Photographs of the engineered barriers is provided in Attachment D.3

Engineered Barrier Purpose

The purpose of the engineered barrier is to prevent:

- Protection of human health by limiting contact with impacted soils exceeding the Direct Contact Residual Contaminant Level (RCL) for 1,2,4-trimethylbenzene; and
- Protection of groundwater by minimizing the infiltration of surface water within areas of impacted soil.

The extent of the soil contamination exceeding the direct contact RCLs and/or the protection of groundwater RCLs is shown on the Figure in Attachment D.2.

Annual Inspection

The engineered barrier overlying the contaminated soil and depicted on the Figure in Attachment D.2 will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause exposure to underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed will be documented.

A log of the inspections and any repairs will be maintained by the property owner and is included on Form 4400-305, Continuing Obligations Inspection and Maintenance Log. A copy of the log is provided in Attachment D.4. An electronic copy (fillable PDF) can be downloaded here:

<https://dnr.wisconsin.gov/topic/Brownfields/Professionals.html> The log will include recommendations for necessary repair of any areas where underlying soils are exposed and where infiltration from the surface will not be effectively minimized. Once repairs are completed, they will be documented in the inspection log. A copy of the maintenance plan and inspection log will be kept at the site; or, if there is no acceptable place (for example, no building is present) to keep it at the site, at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources (DNR) representatives upon their request.

Maintenance Activities

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling or larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment (PPE). The owner must also sample any soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law.

In the event the asphalt cap overlying the contaminated soil is removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the DNR or its successor.

The property owner, in order to maintain the integrity of the asphalt cap, will maintain a copy of this Maintenance Plan at the site and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

Prohibition of Activities and Notification of DNR Prior to Actions Affecting a Cover/Barrier

The following activities are prohibited on any portion of the property where the Cover/Barrier is required as shown on the Figure in Attachment D.2, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; 6) construction or placement of a building or other structure.

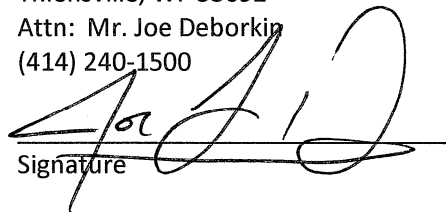
If removal, replacement or other changes to a cover, or a building which is acting as a cover, are considered, the property owner will contact DNR at least 45 days before taking such an action, to determine whether further action may be necessary to protect human health, safety, or welfare or the environment, in accordance with s. NR 727.07, Wis. Adm. Code.

Amendment or Withdrawal of Maintenance Plan

This Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of DNR.

Contact Information (Effective May 1, 2022)

Site Owner **Cudahy Holdings, LLC**
138 Buntrock Avenue
Thiensville, WI 53092
Attn: Mr. Joe Deborkin
(414) 240-1500


Signature

Site Operator: **Superior Health Linens**
5005 South Packard Avenue
Cudahy, Wisconsin
Attn: Mr. Nick Schwartz
(414) 769-0670

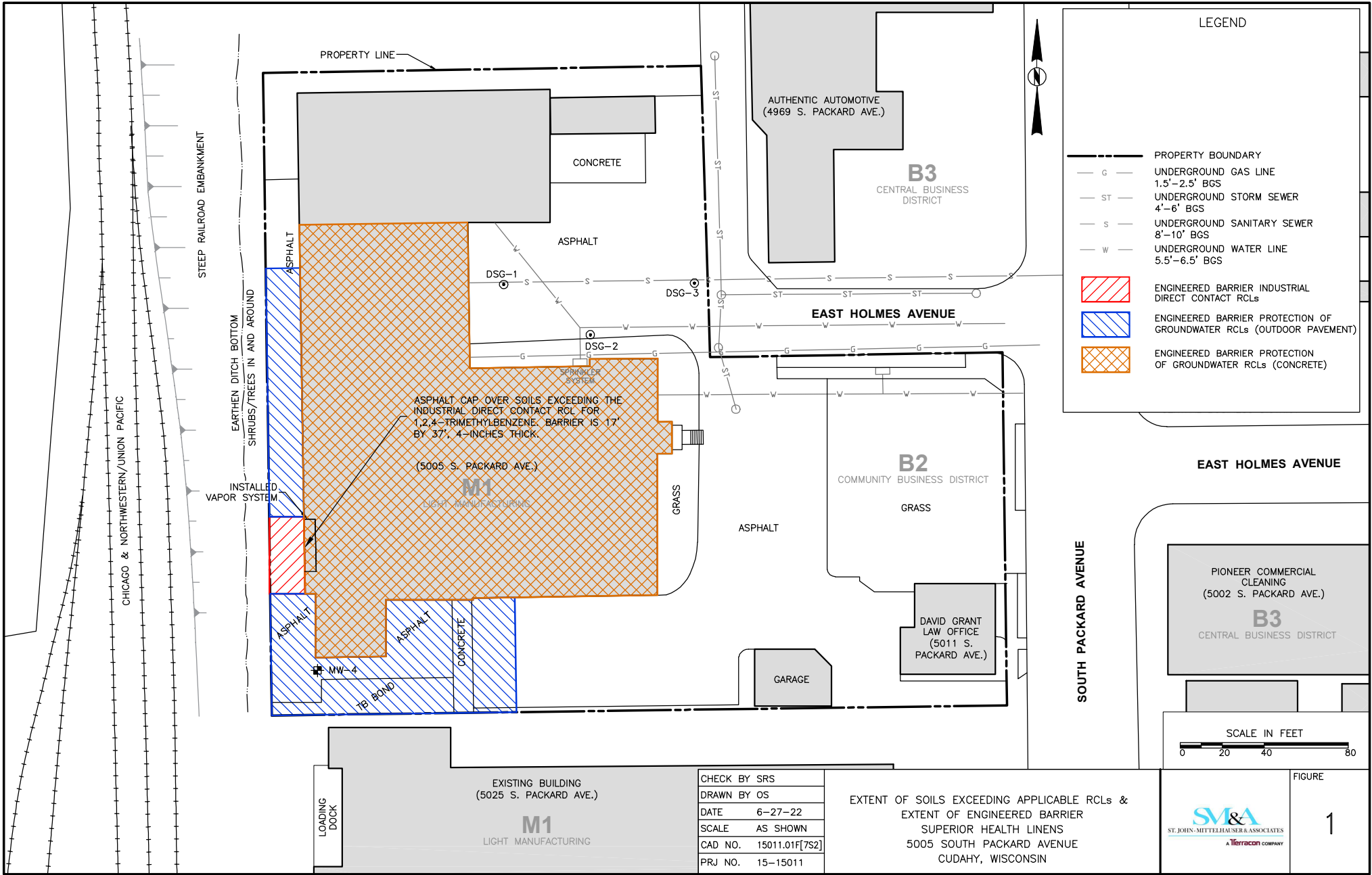
Consultant: **St. John – Mittelhauser & Associates, Inc.**
1401 Branding Avenue Suite 315
Downers Grove, Illinois 60515
(630) 427-8100
Attention Mr. Steve Swenson

DNR: **Wisconsin Department of Natural Resources**
Remediation and Redevelopment Bureau
2300 N. Dr. Martin Luther King Jr. Drive
Milwaukee, Wisconsin 53212
Attn: Mr. Paul Grittner, Hydrogeologist

Attachments: D.2: Figure
D.3: Photographs of Engineered Barrier
D.4: Continuing Obligations Inspection and Maintenance Log

ATTACHMENT D.2

Figure 1: Extent of Soils Exceeding Applicable RCLs & Extent of Engineered Barrier



PROPERTY LINE

AUTHENTIC AUTOMOTIVE
(4969 S. PACKARD AVE.)

B3
CENTRAL BUSINESS DISTRICT

CONCRETE

ASPHALT

DSG-1

DSG-3

DSG-2

EAST HOLMES AVENUE

B2
COMMUNITY BUSINESS DISTRICT

GRASS

ASPHALT

DAVID GRANT
LAW OFFICE
(5011 S. PACKARD AVE.)

GARAGE

SOUTH PACKARD AVENUE

EAST HOLMES AVENUE

PIONEER COMMERCIAL
CLEANING
(5002 S. PACKARD AVE.)

B3
CENTRAL BUSINESS DISTRICT

STEEP RAILROAD EMBANKMENT

EARTHEN DITCH BOTTOM
SHRUBS/TREES IN AND AROUND

INSTALLED
VAPOR SYSTEM

CHICAGO & NORTHWESTERN/UNION PACIFIC

ASPHALT CAP OVER SOILS EXCEEDING THE
INDUSTRIAL DIRECT CONTACT RCL FOR
1,2,4-TRIMETHYLBENZENE. BARRIER IS 17'
BY 37'. 4-INCHES THICK.

M1
LIGHT MANUFACTURING

(5005 S. PACKARD AVE.)

GRASS

ASPHALT

ASPHALT

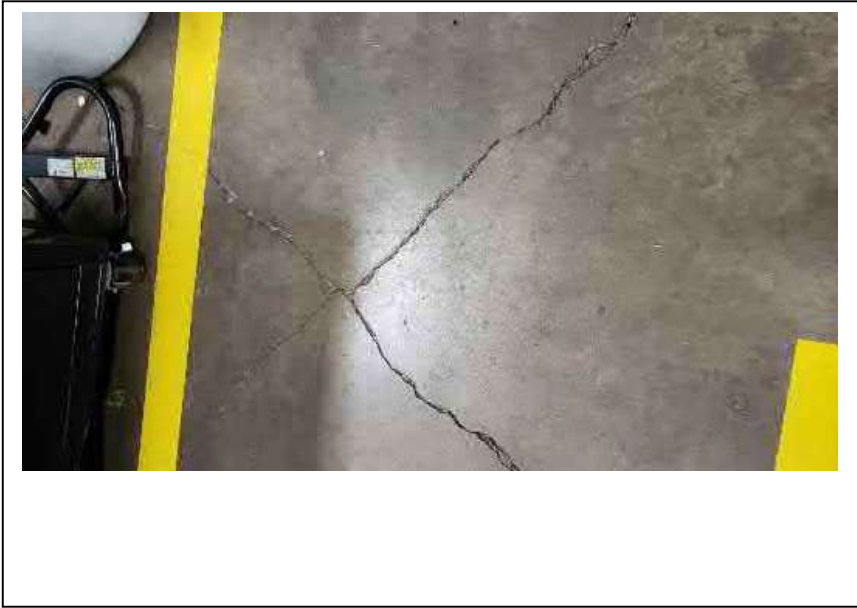
CONCRETE

MW-4

TBI BOND

ATTACHMENT D.3

Photographs of Cover / Barrier



PHOTOGRAPH # 1

Taken on: 12/27/2021

Description: View of the concrete floor with sealed cracks within the southwest corner of the building.



PHOTOGRAPH # 2

Taken on: 12/27/2021

Description: View of the concrete floor within southwest corner of the building.



PHOTOGRAPH # 3 *Taken on: 12/27/2021*
Location/Direction: View of the concrete floor within southwest corner of the building.



PHOTOGRAPH # 4 *Taken on: 12/27/2021*
Location/Direction: View of the concrete floor within southwest corner of the building.



PHOTOGRAPH # 1 *Taken on: 6/27/21*
Description: View of engineered barrier along west side of building, facing northwest. Union Pacific Right-of-Way visible in the lower left (grass). White PVC vent pipe and blower associated with the Sub-Slab Depressurization System is visible in the center of the photo.



PHOTOGRAPH # 2 *Taken on: 6/27/21*
Description: View of engineered barrier along west side of building, facing south. Union Pacific Right-of-Way visible on the right side of the photograph.



PHOTOGRAPH # 3

Taken on: 6/27/21

Description: Photo of engineered barrier along west side of building, facing north towards the former location of MW-7



PHOTOGRAPH # 4

Taken on: 6/27/21

Description: View of engineered barrier at the southwest corner of the property and along the southside of the building, facing east.

ATTACHMENT D.4

Continuing Obligations Inspection and Maintenance Log

Directions: In accordance with s. NR 727.05 (1) (b) 3., Wis. Adm. Code, use of this form for documenting the inspections and maintenance of certain continuing obligations is required. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Public Records law [ss. 19.31-19.39, Wis. Stats.]. When using this form, identify the condition that is being inspected. See the closure approval letter for this site for requirements regarding the submittal of this form to the Department of Natural Resources. A copy of this inspection log is required to be maintained either on the property, or at a location specified in the closure approval letter. Do NOT delete previous inspection results. This form was developed to provide a continuous history of site inspection results. The Department of Natural Resources project manager is identified in the closure letter. The project manager may also be identified from the database, BRRTS on the Web, at <http://dnr.wi.gov/botw/SetUpBasicSearchForm.do>, by searching for the site using the BRRTS ID number, and then looking in the "Who" section.

Activity (Site) Name Superior Heath Linens	BRRTS No. 02-41-532649
--	----------------------------------

Inspections are required to be conducted (see closure approval letter):

annually
 semi-annually
 other – specify _____

When submittal of this form is required, submit the form electronically to the DNR project manager. An electronic version of this filled out form, or a scanned version may be sent to the following email address (see closure approval letter):

Inspection Date	Inspector Name	Item	Describe the condition of the item that is being inspected	Recommendations for repair or maintenance	Previous recommendations implemented?	Photographs taken and attached?
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier for soil <input type="checkbox"/> sediment cap <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier for soil <input type="checkbox"/> sediment cap <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier for soil <input type="checkbox"/> sediment cap <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier for soil <input type="checkbox"/> sediment cap <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier for soil <input type="checkbox"/> sediment cap <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier for soil <input type="checkbox"/> sediment cap <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N

{Click to Add/Edit Image}

Date added:

Title:

{Click to Add/Edit Image}

Date added:

Title:

Sub-Slab Depressurization System (SSDS)

Operations & Maintenance Plan

1. VMS Description, Purpose and Location

Location

Superior Health Linens (SHL), 5005 South Packard Avenue, Cudahy Wisconsin
FID #241780880
BRTTS #02-41-532649

Date of Maintenance Plan

May 1, 2022

System Description

This document is the design and maintenance plan for an active sub-slab depressurization system (SSDS) commonly known as a Vapor Mitigation System (VMS) at the above referenced property in accordance with the requirements of S. NR 724.13 (2) Wisconsin Administrative Code. The SSDS is located in the southwest corner of the plant as shown by the System Location Diagram on page 4. The SSDS is a very simple, yet very effective system for removing harmful vapors from beneath the plant floor and was designed to remove possible vapors from the primary soil contaminants defined below. The system utilizes an industrial fan to create negative sub slab pressure to draw contaminated vapors out and exhaust them to the exterior of the building (see VMS Diagram on page 3).

Primary Soil Contaminants

The primary contaminants in the soil are CVOC's, more specifically, Trichloroethene (TCE) and 1,1,1-Trichloroethene (TCA). Breakdown products of TCE, cis-1-2 TCE has also been found in several soil samples.

2. VMS Design

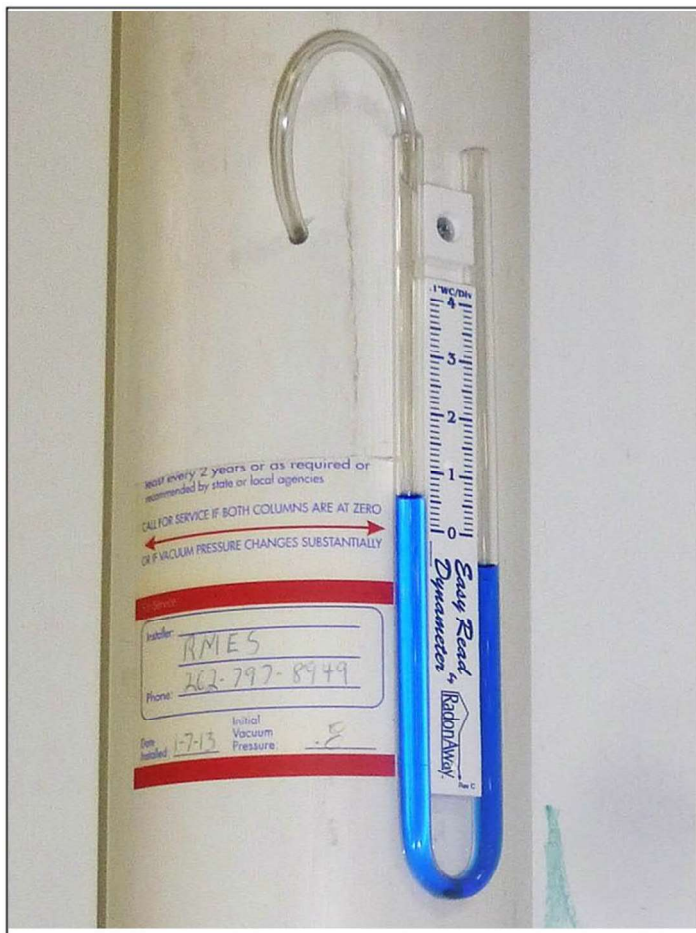
Construction Specifications

The Vapor Mitigation System is located in the southwest corner of the building (see VMS Location Diagram on page 4). Three 5" sub slab draw-points were bored through the interior cement floor of the building to expose sub-soil materials. These draw-points are placed as follows - one through the wall of the raised platform area, and two through the floor adjacent to the west factory wall, approximately 12" – 15" from the wall/foundation. The entire system is constructed of 4" Schedule 40 PVC material. The draw-points are connected by 4" risers that run vertical to a 4" manifold located on top of a ledge approximately 7' off the floor. Another vertical riser runs from a central point in the manifold up approximately 3 feet and out through the sheet metal west wall to the exterior of the building. On the exterior of the building

Revised 05/01/2022

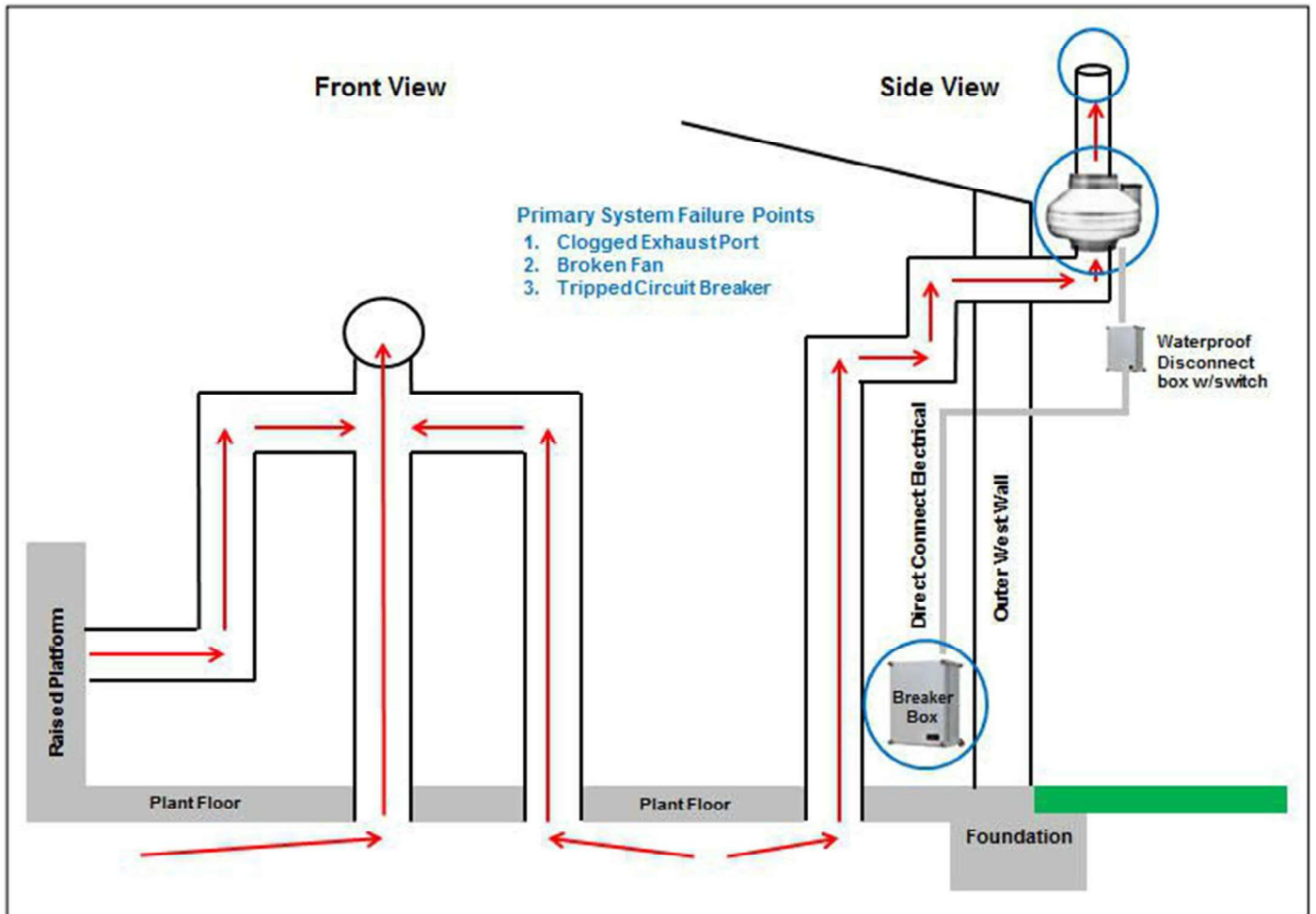
the vertical riser continues to a height of approximately 17'. The Vapor Mitigation System is powered by a UL listed RadonAway RP265 fan (see Specification Sheet on page 9). A 45 degree 6" PVC angle is attached to the top of the fan to point the exhaust up and away from the building (see photos 1 – 6 on pages 5 - 9). **Note – the louvers to the left of the of the vertical exhaust riser shown on photo 5, page 9 are exhaust louvers/fans.** Power to the fan is supplied by a separate 20 amp circuit that is hard-wired to a weatherproof disconnect box/switch. An Easy Read Dynameter Manometer is installed on one of the draw point risers to measure sub-slab vacuum pressure (see below). The VMS is currently at .6WC on 4" pipe, which equate to about 290cfm. The concrete floor is in good sound condition. All cracks or gaps in the concrete floor that may affect the efficiency of the system or cause back drafting were filled.

Post VMS testing completed by Key Engineering and RMES shows excellent sub-slab communication. The “area of influence” of the system is approximately +3,500 sq. ft. or 35' to 40' from each draw point (see attached ATTACHMENT A).



Revised 05/01/2022

VMS Design Diagram

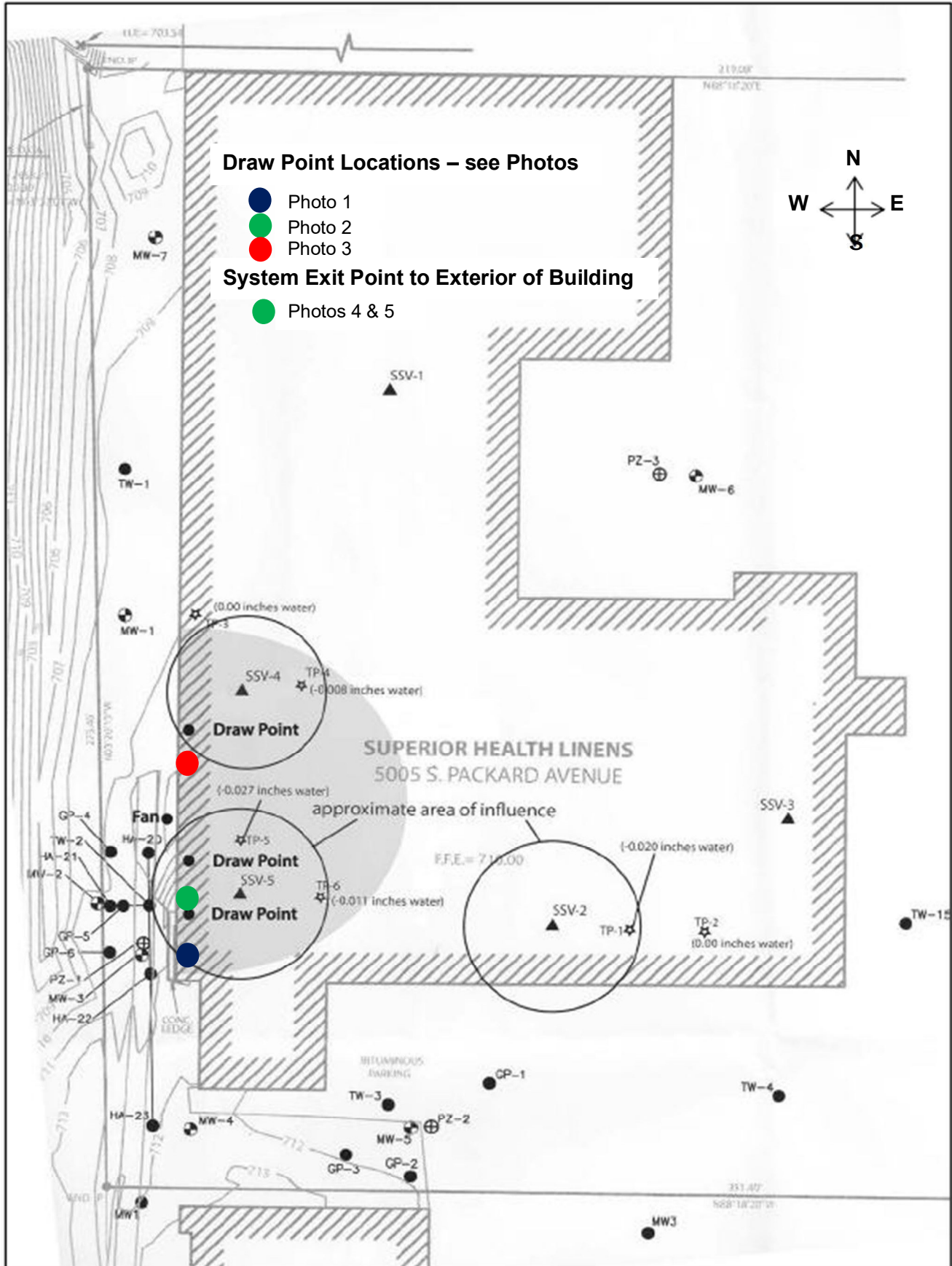


Failure/Monitoring Points

There are three primary potential areas where system failure can occur noted by the blue circles in the above VMS Design Diagram. 1) The external exhaust port could become clogged by debris; 2) The system fan could fail; 3) The circuit breaker could be tripped for some reason.

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VMS Location Diagram

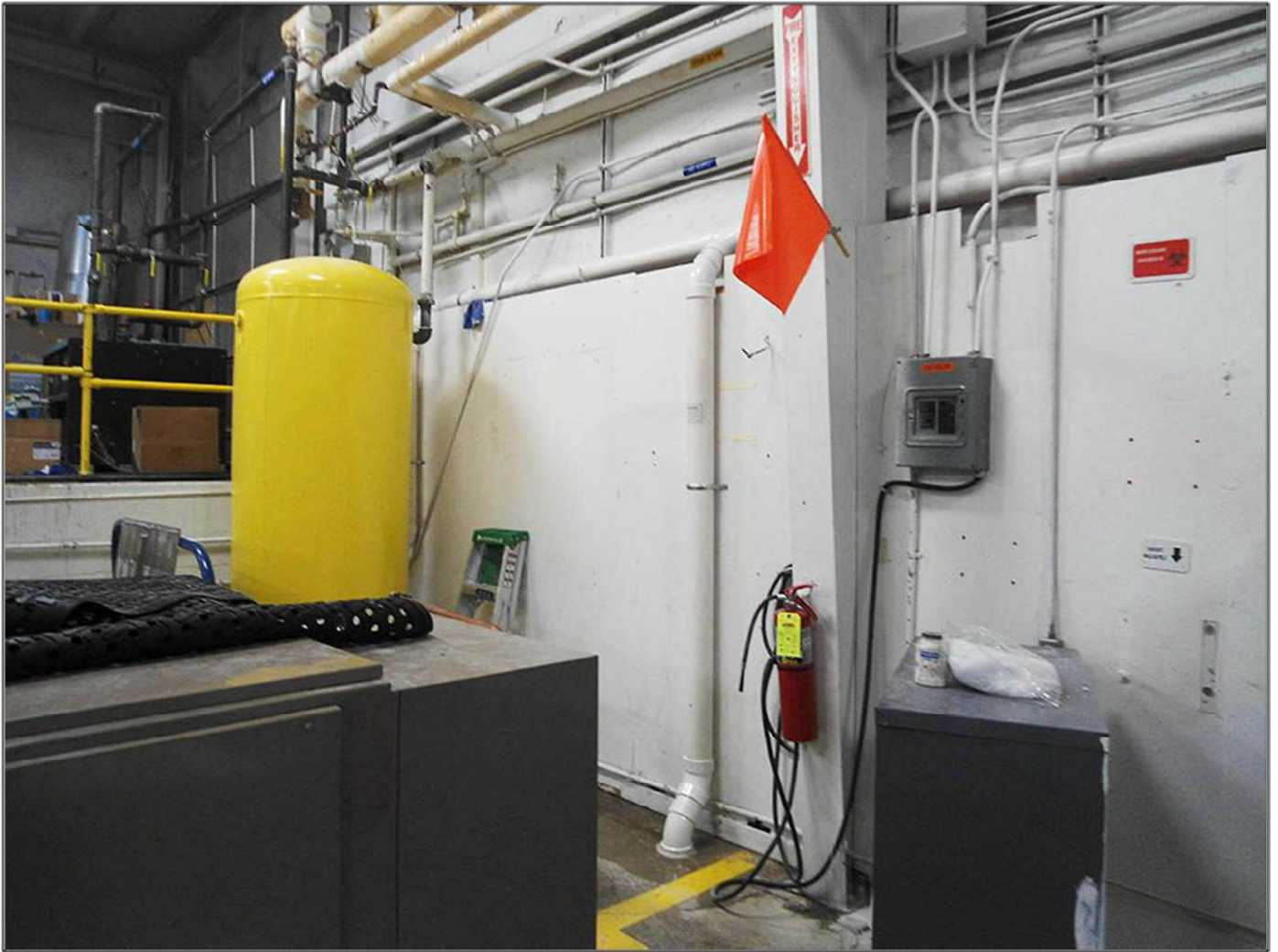


Revised 09-30-2020

Photo 1



Photo 2

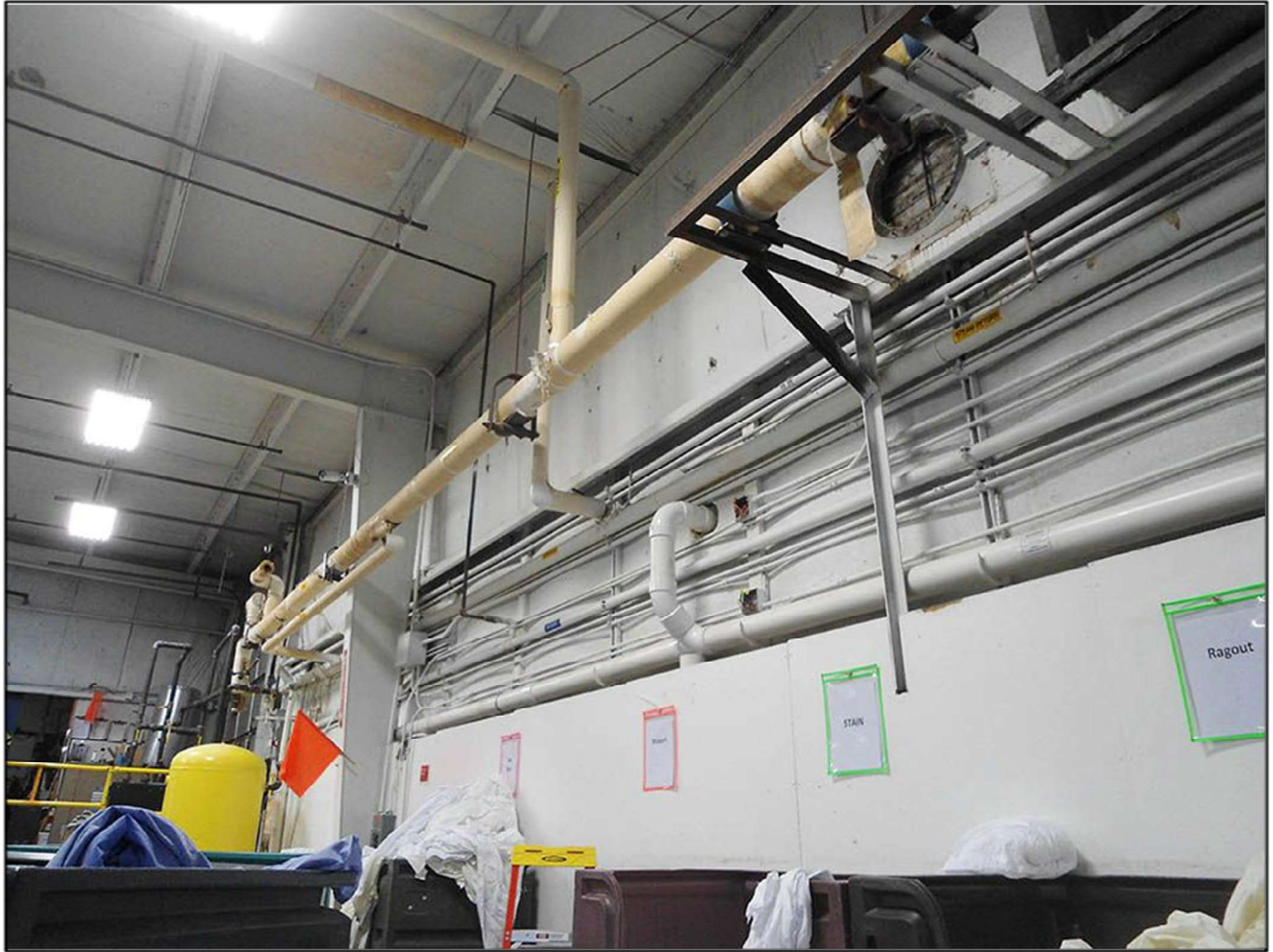


Revised 05/01/2022

Photo 3



Photo 4



Revised 05/01/2022

Photo 5

Note: louvers shown to the left of the vertical riser are exhaust louvers/fans

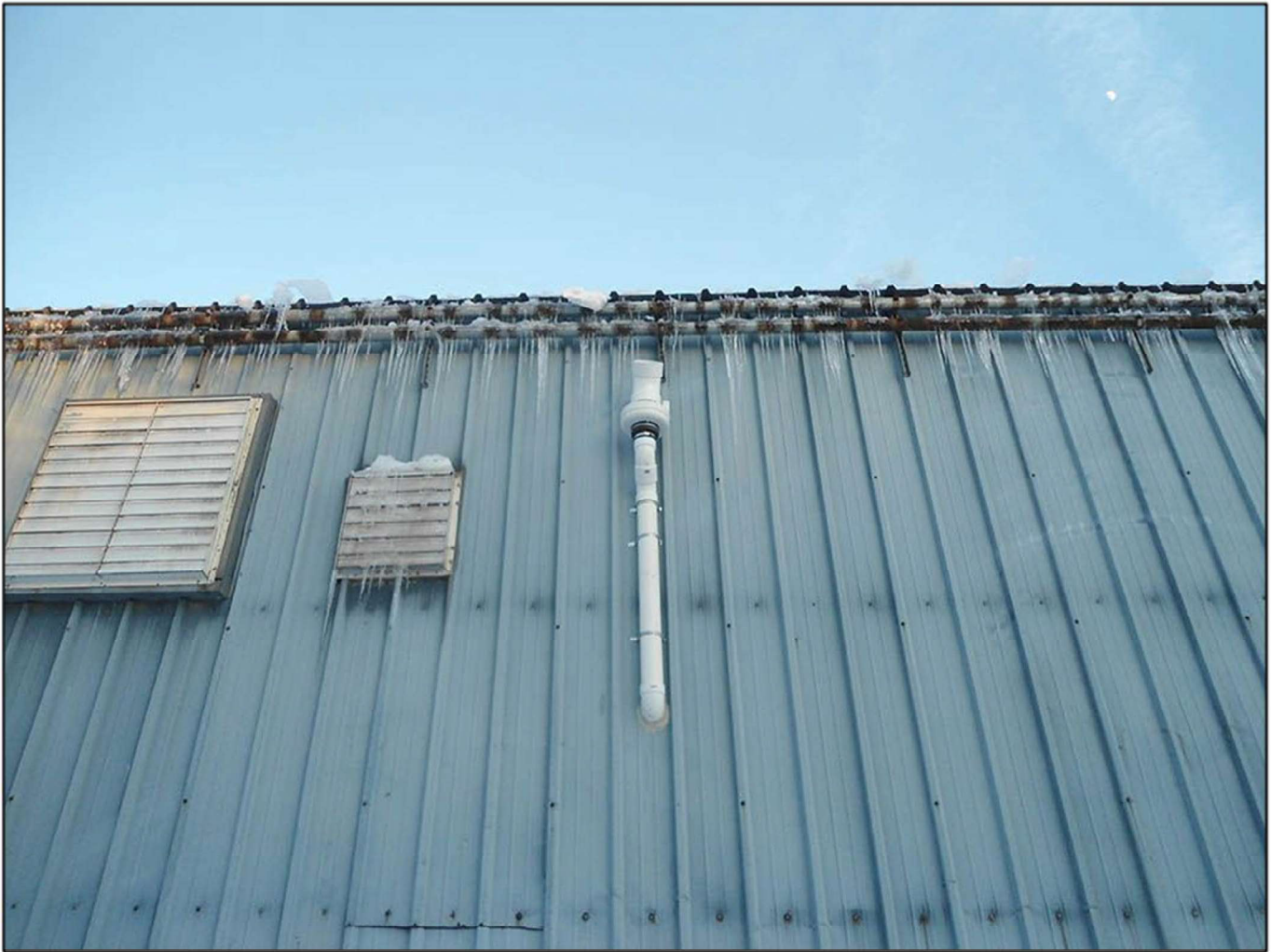
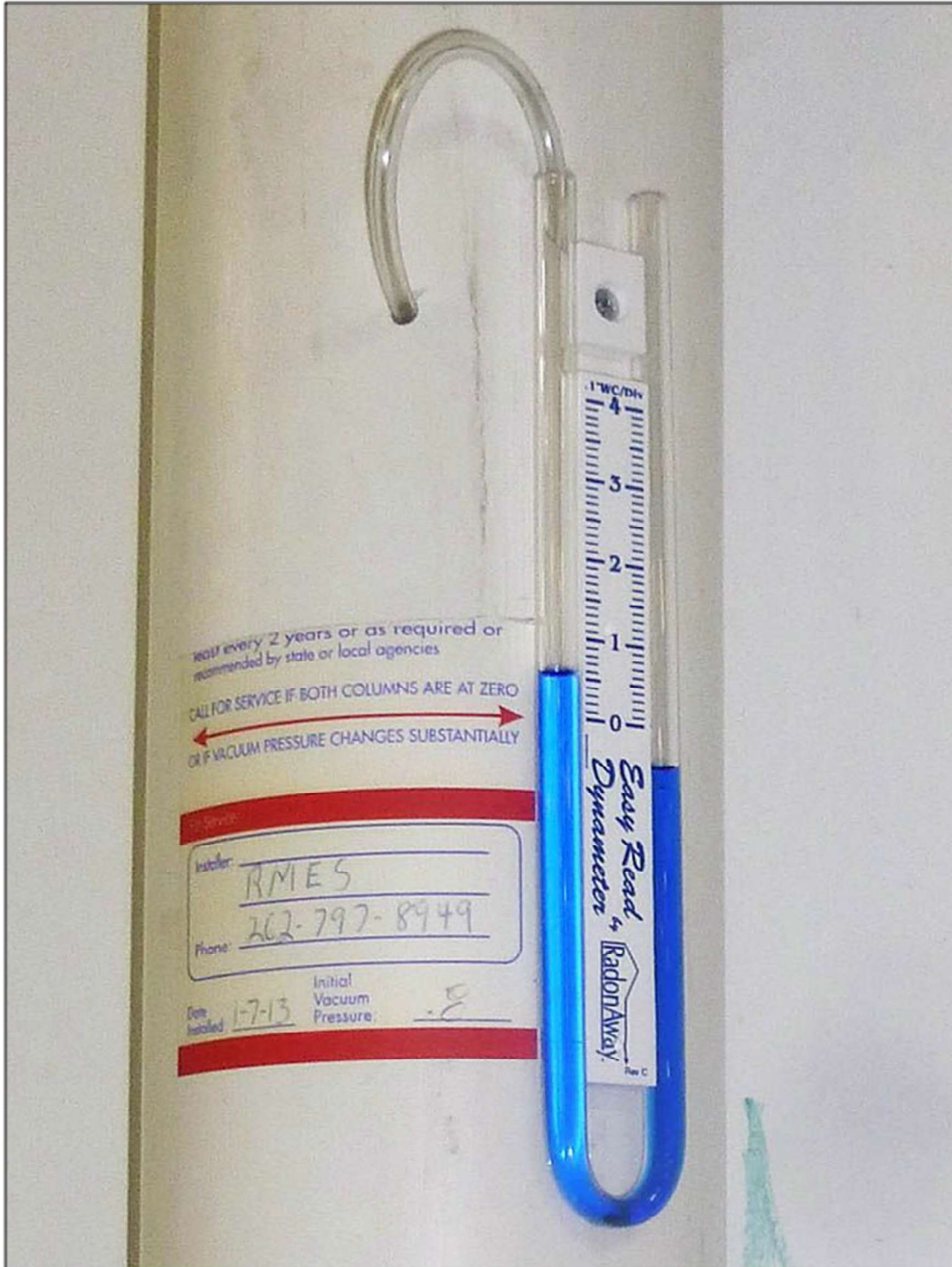


Photo 6

Manometer Installed on draw tube 3 as shown in Photo 3



3. VMS Maintenance

Required Maintenance of the VMS Fan/Blower

According to the manufacturer of the fan, there is no periodic maintenance required. The fan is an industrial model designed for exterior use. The motor is thermally protected. The fan body seams are sealed to inhibit vapor leaks and water intrusion, and the fan utilizes a water-hardened motorized impeller (see Fan Specification Sheet on page 12). The remaining elements of the system (PVC piping & electrical system) also do not require periodic maintenance.

Required Floor Maintenance

During the quarterly inspection of the system, the plant floor in the “area of influence”, defined as 35’ to 40’ from the draw points, must also be inspected to make sure old and new cracks are sealed. Maintenance of the cracks will be logged on the SHL VMS Inspection Log Sheet shown below.

Reassess the VMS System Due to Changes in the Use of the Space

Vapor intrusion tests of the facility were done using both high and low volume testing methods throughout the plant. These tests were performed during February, the coldest month of the year in Wisconsin when the plant was completely closed up and the HVAC systems were operating (plant overhead door are open during the spring, summer and fall). In the high volume test, negligible CVOC were detected at each of the test points. In the low volume test, one of the test points in the southwest corner of the plant registered CVOC slightly higher than WDNR guidelines which is what precipitated installing a VMS. Based on these facts, we feel strongly that changes in use of the facility space would not require a reassessment of vapor intrusion or the Vapor Mitigation System.

System Changes/Removal

In case of the need for system removal or replacement, a written request to and a formal written approval document from the WDNR would be required prior to system removal. If removal or replacement is approved the sub-slab vapor will need to be reassessed and sub-slab vapor testing will be required.

Note: All maintenance and changes to the SHL Vapor Mitigation System will be logged in the Inspection and Maintenance Log, WDNR Form 4400-321. A copy of Form 4400-321 is provided in Appendix A.

Revised 05/01/2022

Fan Specification Sheet



RP Series



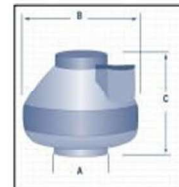
Radon Mitigation Fan

All RadonAway™ fans are specifically designed for radon mitigation. RP Series Fans provide superb performance, run ultra-quiet and are attractive. They are ideal for most sub-slab radon mitigation systems.

Features

- Energy efficient
- Ultra-quiet operation
- Meets all electrical code requirements
- Water-hardened motorized impeller
- Seams sealed to inhibit radon leakage (RP140 & RP145 double snap sealed)
- RP140 and RP260 Energy Star® Rated
- ETL Listed - for indoor or outdoor use
- Thermally protected motor
- Rated for commercial and residential use

MODEL	P/N	FAN DUCT DIAMETER	WATTS	MAX. PRESSURE™WC	TYPICAL CFM vs. STATIC PRESSURE WC				
					0"	.5"	1.0"	1.5"	2.0"
RP140*	23029-1	4"	15-21	0.8	135	70	-	-	-
RP145	23030-1	4"	41-72	2.1	166	126	82	41	3
RP260*	23032-1	6"	50-75	1.6	272	176	89	13	-
RP265	23033-1	6"	91-129	2.3	334	247	176	116	52
RP380*	28208	8"	95-152	2.3	497	353	220	130	38



Model	A	B	C
RP140	4.5"	9.7"	8.5"
RP145	4.5"	9.7"	8.5"
RP260	6"	11.75"	8.6"
RP265	6"	11.75"	8.6"
RP380	8"	13.41"	10.53"



*Energy Star® Rated



Made in USA with US and imported parts



ETL Listed



All RadonAway inline radon fans are covered by our 5-year, hassle-free warranty

For Further Information Contact

9/12
P/N 02008

Revised 05/01/2022

4. System & Plant Floor Inspection

The Vapor Mitigation System installed at 5005 South Packard Avenue is a very simple system. The only mechanical part of the system is the fan that draws air from the sub slab entry points shown in the VMS Design Diagram (page 3), System Location Diagram (page 4) and Photos 1, 2, & 3 (pages 5 – 7). Verification of an active and working system is also very easy and straightforward. In addition to making sure the VMS is operating properly, the plant floor will also be inspected to make sure that existing cracks and any new cracks are sealed properly. Cracks in the floor could reduce the effectiveness of the VMS.

System Operation Verification

Step 1 – Inspect the plant floor in the “area of influence” (35’ to 40’ from each of the draw points for unsealed cracks. If cracks are found, seal them with a high grade silicon sealer.

Step 2 - Inspect the Manometer to verify the system is maintaining negative sub slab pressure to .6 WC as shown on page 2. **If negative pressure is maintained, the system is operating properly.**

Step 3 (if required) - If the Manometer does not show negative sub slab pressure of 0.6 WC check to make sure the tube running into the draw stack is not plugged. If plugged, clean out the tube and reinstall it into the draw stack. If negative pressure is maintained, the system is operating properly. If there is not negative pressure move on to step number 4.

Step 4 (if required) - Check to make sure there is power to the fan by checking the circuit breaker. The fan is hard-wired directly to the fan and is on its own circuit. If the breaker is tripped, reset the breaker and make sure the system is operating properly by checking the Manometer for negative sub slab pressure. If the breaker immediately trips again, check the electrical circuit for a faulty breaker or possible short in the system. Once the electrical problem has been isolated and repaired, check the operation of the system by checking the Manometer for negative sub slab pressure.

Step 5 (if required) - If the breaker is not tripped check the operation of the fan located on the exterior of the building (see photo 5 on page 9). If the fan is not operating properly check to make sure the cutoff switch on the waterproof box is in the “ON” position. If there is power to the fan then the issue is with the fan. Replace the fan with one of similar specification shown on page 12.

Step 6 (if required) - If the fan is operating properly then inspect the vent stack to make sure nothing has blocked or prevented the sub slab air from being evacuated.

Revised 05/01/2022

Inspection Frequency

The operation of the Vapor Mitigation System will be checked quarterly at the beginning of the month (March 1st, June 1st, September 1st, and December 1st) by the maintenance staff employed by Superior Health Linens (SHL).

An annual visual inspection of the system will also be performed. All areas of the system including the concrete floor, sub-slab entry points, riser pipe joints and piping will be inspected for cracking, defect or general deterioration.

Should any obvious damage to the system be observed during inspection and/or if the system is no longer functioning, repair of the damaged components must be completed immediately.

An inspection log listing key inspection items such as inspector, date, items inspected, state of the system, parts replaced, repairs needed and when follow up was completed must be filled out during each inspection and maintained on-site and available for viewing by all interested parties. If any problem(s) with the system is identified in 2 or more successive inspections SHL maintenance personnel will notify the current owners of the property (William Nicklas & James Baumgartner) at that time. The owners will in turn notify the Remediation & Redevelopment Program Case Manager at the Wisconsin Department of Natural Resources (WDNR). The form used will be the WDNR Inspection and Maintenance Log – Form 4400-321.

5. Notifications

Where changes in land or property use or system changes are required to be reported, include contact names, phone numbers and email addresses for the DNR/agency with administrative authority:

Paul Grittner
Remediation & Redevelopment Program Case Manager
Wisconsin Department of Natural Resources
2300 N. Drive Martin Luther King Drive
Milwaukee, WI 53212-3128
Phone: (414) 405-0764

6. Contacts

Site Owner: Cudahy Holdings, LLC
138 Buntrock Avenue
Thiensville, WI 53092
Attn: Mr. Joe Deborlin
(414) 240-1500


Signed

Building Lessee: Superior Health Linens, Inc.
Nick Swartz
General Manager
5005 South Packard Ave.
Cudahy, WI 53110

Consultant: St. John - Mittelhauser & Associates
Ronald B. St. John, PHG, CPG
Principal Hydrogeologist
Steven R. Swenson, P.G., CHMM
Senior Geologist
1401 Branding Ave, Suite 315
Downers Grove, IL 60515

Regulatory Authority: Paul Grittner
Hydrogeologist - Remediation and Redevelopment Bureau
Wisconsin Department of Natural Resources
2300 N. Drive Martin Luther King Drive
Milwaukee, WI 53212-3128
Phone: (414) 405-0764

Revised 05/01/2022

ATTACHMENT A

WI DNR VAPOR MITIGATION SYSTEM INSPECTION LOG

Form 4400-321 (R 03/22)

Note: To fill and save this form electronically, it must be opened using Adobe Reader or Acrobat software.
Save a copy of the file, open Adobe Reader, select File > Open and browse for the file you saved.

Notice: In accordance with s. NR 727.05(1)(b)3., Wis. Admin. Code, use of this form for documenting the inspections and maintenance of certain vapor-related continuing obligations is required. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Public Records law [ss. 19.31-19.39, Wis. Stats.].

Directions: This form was developed to provide the results of a site inspection of a vapor related continuing obligation, typically a vapor mitigation system. See the approval letter for this site for requirements regarding the submittal of this form to the Department of Natural Resources. A copy of this inspection log is required to be maintained either on the property, or at a location specified in the approval letter. The letter may be found in the database, [BRRTS on the Web](#), by searching for the site using the BRRTS ID number and then looking in the "Action" section for code 56.

Activity (Site) Name: Sub Slab Depressurization System Inspection / Superior Health Linens BRRTS No.: 02-41-532649

Address Being Inspected (e.g., 123 N. Main St.): 5005 S. Packard Avenue, Cudahy, WI Date of Inspection: _____

Inspection Performed By (Name & Title/Company): _____

When submittal of this form is required, submit an electronic version or a scanned copy of this completed form to the [RR Submittal Portal](#).


HOW TO USE THIS FORM

The Activity (Site) Name, BRRTS No., Address Being Inspected and Date of Inspection entered above will auto-populate the table. Complete only the applicable rows/components. Check "Not Applicable" for components that do not apply. For example, if there is no sump sealed and vented as part of the system, check "Not Applicable" in the "NOTES" section for that component.

Multiple components: For systems with multiple components (e.g., two manometers or two fans), add an additional row for that component by clicking the "+" (plus) symbol at the end of the row. After a system component row is added, a "-" (minus) symbol is shown so the added row may be deleted.

Photos: Click on the placeholder photo shown in each row to replace it with your own site-specific photo. Site-specific photos are optional but strongly recommended. Enter specific details and observations within the "NOTES" section to assist the DNR in understanding status of the system components.

SYSTEM COMPONENT NAME	WHAT DOES IT DO?	WHAT DO I CHECK?	WHAT SHOULD I SEE?	Date of Inspection:
				WHAT TO FIX?
Manometer or Differential Pressure Gauge	Measures differential pressure between vacuum side of vent pipe and indoor space. This measurement confirms there is a vacuum being pulled by the fan.	Liquid Level on Manometer or Gauge	Liquid level in manometer should be offset (not level with each other).	A change in liquid level indicates a change in the vacuum below foundation. This could be caused by failure of fan, blockage of vent pipe, change in water level below building, or other conditions. Hire a professional to identify cause and repair if needed.

<p>PHOTO</p> 	<p>NOTES: (Record the reading on the gauge. Identify specific building and location description:)</p> <p><input type="checkbox"/> Not Applicable</p>
	<p> </p>

BRRTS No. 02-41-532649

Site Name: Sub Slab Depressurization System Inspection / Superior Health Linens


Address Being Inspected: 5005 S. Packard Avenue, Cudahy, WI

Vapor Mitigation System Inspection Log

Form 4400-321 (R 03/22)

Page 2 of 7

SYSTEM COMPONENT				Date of Inspection:
NAME	WHAT DOES IT DO?	WHAT DO I CHECK?	WHAT SHOULD I SEE?	WHAT TO FIX?
Fan	<p>Fan creates a vacuum and lowers pressure below foundation.</p> <p>The fan also removes soil gases from below foundation for discharge to atmosphere.</p>	<p>Fan Operation</p> <p>Fan Location</p> <p>Motor Noise</p>	<p>Fan is on.</p> <p>Fan mounted outside & secure.</p> <p>Fan motor is quiet (loud motor may indicate problem).</p>	<p>Replace the fan immediately once the fan stops running. Fans typically run for 10-20 years, but it may be less.</p> <p>Replacement fan to have similar specifications as original with respect to flow and vacuum.</p> <p>After a fan is replaced, the system should be evaluated by a mitigation professional to verify effectiveness, which includes pressure readings.</p> <p>Original Fan Make and Model:</p>

<p>PHOTO</p> 	<p>NOTES: (Identify specific building and location description:)</p> <p><input type="checkbox"/> Not Applicable</p>
---	--

BRRTS No. 02-41-532649


Site Name: Sub Slab Depressurization System Inspection / Superior Health Linens

Address Being Inspected: 5005 S. Packard Avenue, Cudahy, WI

Vapor Mitigation System Inspection Log

Form 4400-321 (R 03/22)

Page 3 of 7

SYSTEM COMPONENT		Date of Inspection:		
NAME	WHAT DOES IT DO?	WHAT DO I CHECK?	WHAT SHOULD I SEE?	WHAT TO FIX?
Suction Drop Point w/ Vent Pipe	<p>Suction Point : Soil gases are collected in a void space below the foundation, and tight seal prevents soil gas from getting inside the home.</p> <p>Vent Pipe: Pipe conveys the vacuum from the fan, and collects soil gases for discharge to the atmosphere.</p>	Suction Point Seal	Seal is air tight around pipe penetration.	<p>Suction point seal or vent pipe may need to be sealed or replaced if cracks or leaks appear.</p> <p>If any piping or sealing of the system is altered or replaced, the system should be evaluated by a mitigation professional to verify effectiveness, which includes pressure readings.</p>
		Vent Pipe Condition	Vent pipe is connected to fan, has not cracked.	
PHOTO			NOTES: (Identify specific building and location description:)	
			<input type="checkbox"/> Not Applicable	
			Empty space for notes	

BRRTS No. 02-41-532649


Site Name: Sub Slab Depressurization System Inspection / Superior Health Linens

Address Being Inspected: 5005 S. Packard Avenue, Cudahy, WI

Vapor Mitigation System Inspection Log

Form 4400-321 (R 03/22)

Page 6 of 7

SYSTEM COMPONENT				Date of Inspection:
NAME	WHAT DOES IT DO?	WHAT DO I CHECK?	WHAT SHOULD I SEE?	WHAT TO FIX?
Foundation Floor	Foundation is a barrier that minimizes soil gas entry into building, and helps fan to work efficiently.	Foundation Condition Foundation Footprint	No penetrating cracks or holes in foundation. Check if there have been alterations or additions to building or footprint.	Seal cracks or other penetrations as you would to prevent water from entering. If building floor plan has changed, notify DNR and contact a mitigation professional to evaluate if modifications to the vapor mitigation system are necessary.
PHOTO		NOTES: (Identify specific building and location description:)		
		<input type="checkbox"/> Not Applicable		

BRRTS No. 02-41-532649


Site Name: Sub Slab Depressurization System Inspection / Superior Health Linens

Address Being Inspected: 5005 S. Packard Avenue, Cudahy, WI

Vapor Mitigation System Inspection Log

Form 4400-321 (R 03/22)

Page 7 of 7

SYSTEM COMPONENT				Date of Inspection:
NAME	WHAT DOES IT DO?	WHAT DO I CHECK?	WHAT SHOULD I SEE?	WHAT TO FIX?
Sub Slab Vapor Port	This is a sample port to measure vacuum or take sample of soil gas if needed. It needs to remain sealed when not in use to prevent soil gas entry into the home.	Port Seal/Cap	If able to measure the vacuum with a micromanometer, the pressure differential should be at least 0.004 inches of H ₂ O or at least one Pascal. Port is sealed and capped when not in use.	Repair or replace the seal and cover as needed. Permanently seal hole if sample port is ever removed.
		Port Condition		
PHOTO			<p>NOTES: (If taken, record the pressure differential reading. Identify specific building and location description:)</p> <p><input checked="" type="checkbox"/> Not Applicable</p>	
				



August 31, 2022

Mr. Kevin Peterburs
Union Pacific Railroad
4823 N. 119th Street
Milwaukee, WI 53225
Via Electronic Mail Only to kjpeterb@up.com

SUBJECT: Notice of Closure Approval with Continuing Obligations for Rights-of-Way Holders adjacent to western side of 5005 S. Packard Avenue, Cudahy, WI 53110
Case Closure for Superior Linens-SW Corner Surface Spill, 5005 S. Packard Ave., Cudahy, WI 53110
BRRTS #: 02-41-532649, FID #: 241780880

Dear Mr. Peterburs:

The Wisconsin Department of Natural Resources (DNR) recently approved the completion of the response actions conducted at the site identified above (the Site). This letter describes how that approval applies to the right-of-way (ROW) at adjacent to the western property boundary of 5005. S. Packard Ave., Cudahy, WI. As the ROW holder, you are responsible for complying with continuing obligations for any work you conduct in the ROW.

State law—Wisconsin Statute (Wis. Stat.) ch. 292— directs parties responsible for the discharge of a hazardous substance or environmental pollution to take necessary actions to restore the environment to the extent practicable and minimize harmful effects from the discharge to the air, lands or waters of this state. The law allows some contamination to remain in the environment if it does not pose a threat to public health, safety, welfare or the environment.

On June 8, 2022, you received information from Steven Swenson, of St. John-Mittelhauser & Associates, about the volatile organic compound contamination from the Site remaining in the soil and groundwater beneath the railroad ROW, and about the continuing obligations necessary to limit exposure to remaining contamination.

APPLICABLE CONTINUING OBLIGATIONS

The continuing obligations that apply to this ROW are described below and are consistent with Wis. Stat. § 292.12 and Wisconsin Administrative Code (Wis. Admin. Code) chs. NR 700 to 799.

Residual Soil Contamination (Wis. Admin. Code chs. NR 718, NR 500 to 599, and § NR 726.15(2)(b) and Wis. Stat. ch. 289)

Soil contamination remains throughout the property. Chlorinated compounds and other volatile organic compounds were specifically located outside the southwest corner of the main laundry building, within the adjacent railroad right of way, and under the portion of the building constructed in 1976 and 2005 as indicated on the enclosed map (Figure B.2.B, Residual Soil Contamination, May 25, 2022). The extent of contaminated soil under the building is not precisely known and may extend over a greater area than what is estimated on this figure. If soil in the location(s) shown on the map is excavated in the future, the property owner or right of way holder at the time of excavation must sample and analyze the excavated soil. If sampling confirms that contamination is present, the property owner or right of way holder at the time of excavation will need to

determine if the material is considered solid waste and ensure that any storage, treatment or disposal complies with applicable standards and rules. Contaminated soil may be managed under Wis. Admin. Code ch. NR 718 with prior DNR approval.

In addition, all current and future property owners, occupants and right of way holders need to be aware that excavation of the contaminated soil may pose an inhalation and direct contact hazard; special precautions may be needed to prevent a threat to human health.

Residual Groundwater Contamination (Wis. Admin. Code ch. NR 140 and § NR 812.09(4)(w))

Groundwater contamination which equals or exceeds the enforcement standards for chlorinated volatile organic compounds and 1,4-dioxane is present throughout the southwest portion of the property and the adjacent railroad right of way, as shown on the enclosed maps (Figure B.3.B (1), Groundwater Isoconcentration (Shallow Glacial Till), September 1, 2021, and Figure B.3.B (2), Groundwater Isoconcentration (30-Foot Sand Seam), March 17, 2022). To construct a new well or reconstruct an existing well, the property owner must obtain prior DNR approval. Additional casing may be necessary to prevent contamination of the well.

ADDITIONAL INFORMATION

Site, case-related information and DNR contacts can be found online in the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW); go to dnr.wi.gov and search "BOTW." Use the BRRTS ID # found at the top of this letter. The site can also be found on the map view, Remediation and Redevelopment Sites Map (RRSM) by searching "RRSM."

Send written notifications and inspection logs to the DNR using the RR Program Submittal Portal at dnr.wi.gov, search "RR submittal portal." Questions on using this portal can be directed to the Project Manager below or to the environmental program associate (EPA) for the regional DNR office. Visit dnr.wi.gov, search "RR contacts" and select the EPA tab.

If you have questions or concerns regarding this letter, please contact the DNR project manager, Paul Grittner, at (414) 405-0764 or paul.grittner@wisconsin.gov.

Sincerely,



Pamela A. Mylotta
Southeast Region Team Supervisor
Remediation & Redevelopment Program

Attachment(s):

Case closure letter dated August 31, 2022

Figure B.3.B (1), Groundwater Isoconcentration (Shallow Glacial Till), September 1, 2021

Figure B.3.B (2), Groundwater Isoconcentration (30-Foot Sand Seam), March 17, 2022

Figure B.2.B, Residual Soil Contamination, May 25, 2022

cc: Steve Swenson – SM&A/Terracon (steves@st-ma.com)

Nick Swartz – Superior Health Linens (nswartz@superiorhealthlinens.com)

M. Andrew Skwierawski, Davis & Kuelthau, s.c. (askwierawski@dkattorneys.com)

Bill Nicklas - D&C Partners, LLP (wjnicklas@gmail.com)

Jim Baumgartner - D&C Partners, LLP (jbaum777@gmail.com)

Joe Deborkin - Cudahy Holdings, LLC (Joe@jomela.com)



August 31, 2022

Mr. Bill Nicklas
Mr. Jim Baumgartner
D&C Partners, LLP
W223 N7658 Cherry Hill Road
Sussex, WI 53089
Via Electronic Mail Only to wjnicklas@gmail.com; jbaum777@gmail.com

Mr. Joe Deborkin
Cudahy Holdings, LLC
13 Buntrock Avenue
Thiensville, WI 53092
Via Electronic Mail Only to Joe@jomela.com

KEEP THIS LEGAL DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Case Closure with Continuing Obligations
Superior Linens-SW Corner Surface Spill, 5005 S. Packard Avenue, Cudahy, WI 53110
BRRTS #: 02-41-532649, FID #: 241780880

Dear Mr. Nicklas, Mr. Baumgartner, and Mr. Deborkin:

The Wisconsin Department of Natural Resources (DNR) is pleased to inform you that the Superior Linens case identified above met the requirements of Wisconsin Administrative (Wis. Admin.) Code chs. NR 700 to 799 for case closure with continuing obligations (COs). COs are legal requirements to address potential exposure to remaining contamination. No further investigation or remediation is required at this time for the reported hazardous substance discharge and/or environmental pollution.

However, you, future property owners and occupants of the property must comply with the COs as explained in this letter, which may include maintaining certain features and notifying the DNR and obtaining approval before taking specific actions. You must provide this letter and all enclosures to anyone who purchases, rents or leases this property from you. Some COs also apply to other properties or rights of way (ROWs) affected by the contamination as identified in the Continuing Obligation Summary section of this letter.

This case closure decision is issued under Wis. Admin. Code chs. NR 700 to 799 and is based on information received by the DNR to date. The DNR reviewed the case closure request for compliance with state laws and standards and determined the case closure request met the notification requirements of Wis. Admin. Code ch. NR 725, the response action goals of Wis. Admin. Code § NR 726.05(4), the case closure criteria of Wis. Admin. Code §§ NR 726.05, 726.09, 726.11, and Wis. Admin. Code ch. NR 140.

The Superior Linens site was investigated for the discharge of chlorinated solvents and other volatile organic compounds (VOCs) to the ground surface located outside the southwest corner of the main laundry building constructed in 1976 near the western property boundary. Soil contaminated with lead was also identified on the

northern and eastern portions of the property. Case closure is granted for the volatile organic compound (VOC) and lead contamination as documented in the case file. The site investigation and/or remedial action addressed soil, groundwater, and vapor. The remedial action consisted of excavation and offsite disposal of contaminated soil from along the western side of the main laundry building and the adjacent railroad right of way. Excavation of the contaminated soil was intended to address the direct contact risk posed by the contamination and to remove a significant source of groundwater and vapor contamination. Contamination remains in soil, groundwater, and vapor throughout the southwestern portion of the property and within the adjacent railroad right of way.

The case closure decision and COs required were based on the current use of the site for industrial purposes. The site is currently zoned limiting manufacturing district. Based on the land use and zoning, the site meets the industrial land use classification under Wis. Admin. Code § NR 720.05(5) for application of residual contaminant levels in soil.

SUMMARY OF CONTINUING OBLIGATIONS

COs are applied at the following locations:

ADDRESS (CITY, WI)	COS APPLIED	DATE OF MAINTENANCE PLAN(S)
5005 S. Packard Avenue, Cudahy, WI (Source Property)	Residual Soil Contamination	
	Cover (for soil)	May 1, 2022
	Residual Groundwater Contamination	
	Monitoring Wells could not be Properly Filled and Sealed	
	VI - Vapor Mitigation Systems	May 1, 2022
	VI - Commercial/Industrial Use	
Railroad right of way west of 5005 S. Packard Avenue, Cudahy, WI	VI - Future Concern	
	Residual Soil Contamination	
	Residual Groundwater Contamination	

CLOSURE CONDITIONS

Closure conditions are legally required conditions which include both COs and other requirements for case closure (Wis. Stat. § 292.12(2)). Under Wis. Stat. § 292.12(5), you, any subsequent property owners and occupants of the property must comply with the closure conditions as explained in this letter. The property owner must notify occupants for any condition specified in this letter under Wis. Admin. Code §§ NR 726.15(1)(b) and NR 727.05(2). If an occupant is responsible for maintenance of any closure condition specified in this letter, you and any subsequent property owner must include the condition in the lease agreement under Wis. Admin. Code § NR 727.05(3) and provide the maintenance plan to any occupant that is responsible.

DNR staff may conduct periodic pre-arranged inspections to ensure that the conditions included in this letter and the maintenance plans dated May 1, 2022 are met (Wis. Stat. § 292.11(8)). If these requirements are not followed, the DNR may take enforcement action under Wis. Stat. ch. 292 to ensure compliance with the closure conditions.

SOIL

Continuing Obligations to Address Soil Contamination

Residual Soil Contamination (Wis. Admin. Code chs. NR 718, NR 500 to 599, and § NR 726.15(2)(b) and Wis. Stat. ch. 289)

Soil contamination remains throughout the property. Chlorinated compounds and other volatile organic compounds were specifically located outside the southwest corner of the main laundry building, within the adjacent railroad right of way, and under the portion of the building constructed in 1976 and 2005 as indicated on the enclosed map (Figure B.2.B, Residual Soil Contamination, May 25, 2022). The extent of contaminated soil under the building is not precisely known and may extend over a greater area than what is estimated on this figure. If soil in the location(s) shown on the map is excavated in the future, the property owner or right of way holder at the time of excavation must sample and analyze the excavated soil. If sampling confirms that contamination is present, the property owner or right of way holder at the time of excavation will need to determine if the material is considered solid waste and ensure that any storage, treatment or disposal complies with applicable standards and rules. Contaminated soil may be managed under Wis. Admin. Code ch. NR 718 with prior DNR approval.

In addition, all current and future property owners, occupants and right of way holders need to be aware that excavation of the contaminated soil may pose an inhalation and direct contact hazard; special precautions may be needed to prevent a threat to human health.

Cover (for soil) (Wis. Stat. § 292.12(2)(a), Wis. Admin. Code §§ NR 724.13(1) and (2), NR 726.15(2)(d) and/or (e), NR 727.07(1))

The asphalt and concrete paving located adjacent to the southwest corner of the main laundry building, and the floors of the building portions constructed in 1976 and 2005, as shown on Figure 1, Extent of Soils Exceeding RCLs & Extent of Engineered Barrier, of the enclosed maintenance plan, dated May 1, 2022, shall be maintained in compliance with that plan. The purpose of the cover is to minimize the infiltration of water through VOC contaminated soil and prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

The cover approved for this closure was designed to be protective for commercial or industrial land uses. Before using the property for residential purposes and before taking an action, the property owner must notify the DNR to determine if additional response actions are warranted. A cover intended for industrial land uses or certain types of commercial land uses may not be protective if the property changes to a residential use. This may include, but is not limited to, single or multiple family residences, a school, day care, senior center, hospital or similar settings. In addition, a cover designed for multi-family residential housing use may not be appropriate for use at a single-family residence.

To modify or replace a cover, the property owner must submit a request to the DNR under Wis. Admin. Code ch. NR 727. The DNR approval must be obtained before implementation. The replacement or modified cover must be a structure of similar permeability or be protective of the revised use of the property until contaminant levels no longer exceed Wis. Admin. Code ch. NR 720 groundwater pathway residual contaminant levels and/or direct contact residual contaminant levels (RCLs).

GROUNDWATER

Continuing Obligations to Address Groundwater Contamination and/or Monitoring Wells

Residual Groundwater Contamination (Wis. Admin. Code ch. NR 140 and § NR 812.09(4)(w))

Groundwater contamination which equals or exceeds the enforcement standards for chlorinated volatile organic compounds and 1,4-dioxane is present throughout the southwest portion of the property and the adjacent railroad right of way, as shown on the enclosed maps (Figure B.3.B (1), Groundwater Isoconcentration (Shallow Glacial Till), September 1, 2021, and Figure B.3.B (2), Groundwater Isoconcentration (30-Foot Sand Seam), March 17, 2022). To construct a new well or reconstruct an existing well, the property owner must obtain prior DNR approval. Additional casing may be necessary to prevent contamination of the well.

Monitoring Wells could not be Properly Filled and Sealed (Wis. Admin. Code ch. NR 141 and § NR 726.15(2)(c)1.)

Monitoring well MW-4 located near the southwest corner of the main laundry building shown on the enclosed map, Figure B.3.D, Detailed Site Map, dated March 16, 2022, could not be properly filled and sealed because it was missing due to being paved over, covered or removed during site development activities. Your consultant made a reasonable effort to locate the well and to determine if it was properly filled and sealed. However, the well listed above is not located and remains open. You may be held liable under Wis. Stat. § 292.11 for any problems associated with the monitoring well if it creates a conduit for contaminants to enter groundwater. If the groundwater monitoring well is found, the owner of the property on which the well is located is required to properly fill and seal the well and submit the required documentation to the DNR.

VAPOR

Continuing Obligations to Address Vapor Contamination

Vapor intrusion (VI) is the movement of vapors coming from volatile chemicals in the soil or groundwater or within preferential pathways into buildings where people may breathe air contaminated by the vapors.

VI - Vapor Mitigation Systems: (Wis. Stat. § 292.12(2), Wis. Admin. Code § NR 726.15(2)(h), (i), (j) or (m))

Vapor mitigation systems, which may include vapor barriers, are used to interrupt the vapor pathway, thereby reducing or preventing vapors from moving into the building. Soil vapor beneath the southern portion of the main laundry building (the original portion constructed in 1976) building contains chlorinated VOCs at levels that would pose a risk to human health, if allowed to migrate into an occupied building on the property. See the enclosed map (Figure B.4.A, Vapor Intrusion Map, April 11, 2022).

A sub-slab depressurization system is located on the southwest corner of the main laundry building. Three sub-slab draw-points are installed through the building floor. An in-line fan draws vapors from the draw points and discharges it outside the building through a vertical riser pipe. The property owner shall maintain, operate and inspect the vapor mitigation system, installed in January 2013, in accordance with the enclosed maintenance plan, dated May 1, 2022. The building floor must also be kept in good repair to prevent vapors from migrating through the slab and to maintain the negative pressure produced by the operating mitigation system. System components must be repaired or replaced immediately upon discovery of a malfunction. The property owner shall document inspections on the VMS inspection log (Form 4400-321). See the Other Closure Requirements section of this letter for more details.

VI - Commercial/Industrial Use: (Wis. Stat. § 292.12(2), Wis. Admin. Code § NR 726.15(2)(k) or (m))

Soil vapor, soil, and groundwater beneath the main laundry building contains contamination at concentrations that pose a long-term risk to human health if allowed to migrate into an occupied building. Case closure is based on

the following site-specific exposure assumptions: industrial use with a well-maintained building floor and open building layout. Use of this property is restricted to the following uses: industrial. If changes in property or land use are planned, the property owner must evaluate whether the closure is protective for the proposed use. The DNR may require additional response actions. The property owner shall maintain the floor/building layout in accordance with the enclosed maintenance plan dated May 1, 2022.

VI - Future Concern: (Wis. Stat. § 292.12(2), Wis. Admin. Code § NR 726.15(2)(L) or (m), as applicable. Chlorinated VOCs remain in soil and groundwater throughout the southwestern portion of the property at concentrations that may be of concern for vapor intrusion in the future, if a building is constructed, renovated or expanded in an area where no building currently exists or if an existing building is remodeled. See the enclosed maps (Figure B.3.B (1), Groundwater Isoconcentration (Shallow Glacial Till), September 1, 2021, Figure B.2.B, Residual Soil Contamination, May 25, 2022, and Figure B.4.A, Vapor Intrusion Map, April 11, 2022). At the time of closure an approximately 32,000 sq. ft. building used as a commercial laundry is present in on the western portion of the property with two smaller buildings located on the southwest portion.

Vapor control technologies are required for new construction or for modification of occupied buildings on the property unless the property owner assesses the vapor pathway and the DNR agrees that vapor control technologies are not needed. The property owner shall maintain the current building use and layout.

See the Other Closure Requirements section for more details.

OTHER CLOSURE REQUIREMENTS

Maintenance Plan and Inspection Log (Wis. Admin. Code §§ NR 726.11(2), NR 726.15(1)(d), NR 727.05(1)(b)3., Wis. Admin. Code § NR 716.14(2) for monitoring wells)

The property owner is required to comply with the enclosed maintenance plan dated May 1, 2022 for the cover, to conduct inspections annually, and to use the inspection log (DNR Form 4400-305) to document the required inspections.

The property owner is also required to comply with the enclosed maintenance plan dated May 1, 2022 for the vapor mitigation system, to conduct inspections quarterly, and to use the inspection log (Form 4400-321 VMS Inspection Log) to document the required inspections.

The maintenance plans and inspection logs are to be kept up-to-date and on-site. The property owner shall submit the vapor mitigation system inspection log to the DNR annually, starting one year after the date of this letter, using the RR Program Submittal Portal. The property owner shall submit the cover inspection log to the DNR only upon request, using the RR Program Submittal Portal. See the DNR Notification and Approval Requirements section below for more information on how to access the Submittal Portal.

The limitations on activities are identified in the enclosed maintenance plan(s). The following activities are prohibited on any portion of this property where the barrier is required, without prior DNR approval.

- Removal of the existing barrier;
- replacement with another barrier;
- excavating or grading of the land surface;
- filling on capped or paved areas;
- plowing for agricultural cultivation;
- construction or placement of a building or other structure.

Pre-Approval Required for Well Construction (Wis. Admin. Code § NR 812.09(4)(w))

DNR approval is required before well construction or reconstruction for all sites identified as having residual contamination and/or COs. This requirement applies to private drinking water wells and high capacity wells. To obtain approval, the property owner is required to complete and submit Form 3300-254, Continuing Obligations/Residual Contamination Well Approval Application, to the DNR Drinking and Groundwater program's regional water supply specialist. A well driller can help complete this form. The form can be obtained online at dnr.wi.gov, search "3300-254." Additional casing may be necessary to help prevent contamination of the well.

General Wastewater Permits for Construction-related Dewatering Activities (Wis. Admin. Code ch. NR 200)

The DNR's Water Quality Program regulates point source discharges of contaminated water, including discharges to surface waters, storm sewers, pits, or to the ground surface. This includes discharges from construction-related dewatering activities, including utility work and building construction.

If the property owner or any other person plans to conduct such activities, that person must contact the Water Quality Program and, if necessary, apply for the required discharge permit. If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a general permit for discharge of *Contaminated Groundwater from Remedial Action Operations* may be needed. If water collecting in a pit/trench that requires dewatering is expected to be free of pollutants other than suspended solids, oil and grease, a general permit for pit/trench *Dewatering Operations* may be needed. Additional information can be obtained by visiting the DNR website at "dnr.wi.gov," search "wastewater general permits."

DNR NOTIFICATION AND APPROVAL REQUIREMENTS

Certain activities are limited at closed sites to maintain protectiveness to human health and the environment. The property owner is required to notify the DNR at least 45 days before and obtain approval from the DNR prior to taking the following actions (Wis. Admin. Code §§ NR 727.07, NR 726.15 (2), Wis. Stat. § 292.12(6)).

- Before removing a cover or any portion of a cover
- Before deciding to no longer use the vapor mitigation system, to shut off the fan or disrupt or abandon the vapor mitigation system, or before making any change to the vapor mitigation system or to a vapor barrier
- Before changing the use or occupancy to a different commercial or industrial use or to a residential exposure setting
- Before constructing a building and/or modifying use of or the construction of an existing building or changing property use. Certain activities are limited at closed sites to reduce the risk of exposure to residual contamination via vapor intrusion. For properties with a continuing obligation for addressing the future risk of vapor intrusion when buildings exist at the time of closure approval, changes to the current building use and layout are prohibited without prior DNR approval. This includes any change in building construction, reconstruction or partial demolition. The DNR may require additional actions may be required at that time to re-assess for vapor intrusion and mitigate, as appropriate.

The DNR may require additional investigation and/or cleanup actions if necessary, to be protective of human health and the environment. The case may be reopened under Wis. Admin. Code § NR 727.13 if additional information indicates that contamination on or from the site poses a threat, or for a lack of compliance with a CO or closure requirement. Compliance with the maintenance plan is considered when evaluating the reopening criteria.

SUBMITTALS AND CONTACT INFORMATION

Site, case-related information and DNR contacts can be found online in the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW); go to dnr.wi.gov and search "BOTW." Use the BRRTS ID # found at the top of this letter. The site can also be found on the map view, Remediation and Redevelopment Sites Map (RRSM) by searching "RRSM."

Send written notifications and monitoring well filling and sealing forms to the DNR using the RR Program Submittal Portal at dnr.wi.gov, search "RR submittal portal" (<https://dnr.wi.gov/topic/Brownfields/Submittal.html>). Questions on using this portal can be directed to the Project Manager below or to the environmental program associate (EPA) for the regional DNR office. Visit dnr.wi.gov, search "RR contacts" and select the EPA tab (<https://dnr.wi.gov/topic/Brownfields/Contact.html>).

CLOSING

The DNR appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact DNR project manager Paul Grittner at (414) 405-0764 or paul.grittner@wisconsin.gov.

Sincerely,



Pamela A. Mylotta
Southeast Region Team Supervisor
Remediation & Redevelopment Program

Attachments:

Figure B.3.B (1), Groundwater Isoconcentration (Shallow Glacial Till), September 1, 2021
Figure B.3.B (2), Groundwater Isoconcentration (30-Foot Sand Seam), March 17, 2022
Figure B.2.B, Residual Soil Contamination, May 25, 2022
Figure B.3.D, Detailed Site Map, March 16, 2022
Figure B.4.A, Vapor Intrusion Map, April 11, 2022
Attachment D, Cover or Barrier Maintenance Plan, May 1, 2022
Inspection Log (DNR Form 4400-305)
Attachment D, Sub-Slab Depressurization System (SSDS) Operations & Maintenance Plan, May 1, 2022
Inspection Log (DNR Form 4400-321: Vapor Mitigation System Inspection Log)

cc: Steve Swenson – SM&A/Terracon (steves@st-ma.com)
Nick Swartz – Superior Health Linens (nswartz@superiorhealthlinens.com)
M. Andrew Skwierawski, Davis & Kuelthau, s.c. (askwierawski@dkattorneys.com)
Kevin Peterburs - Union Pacific Railroad (kjpeterb@up.com)

Additional Resources:

The DNR fact sheets listed below can be obtained by visiting the DNR website at "dnr.wi.gov," search the DNR publication number.

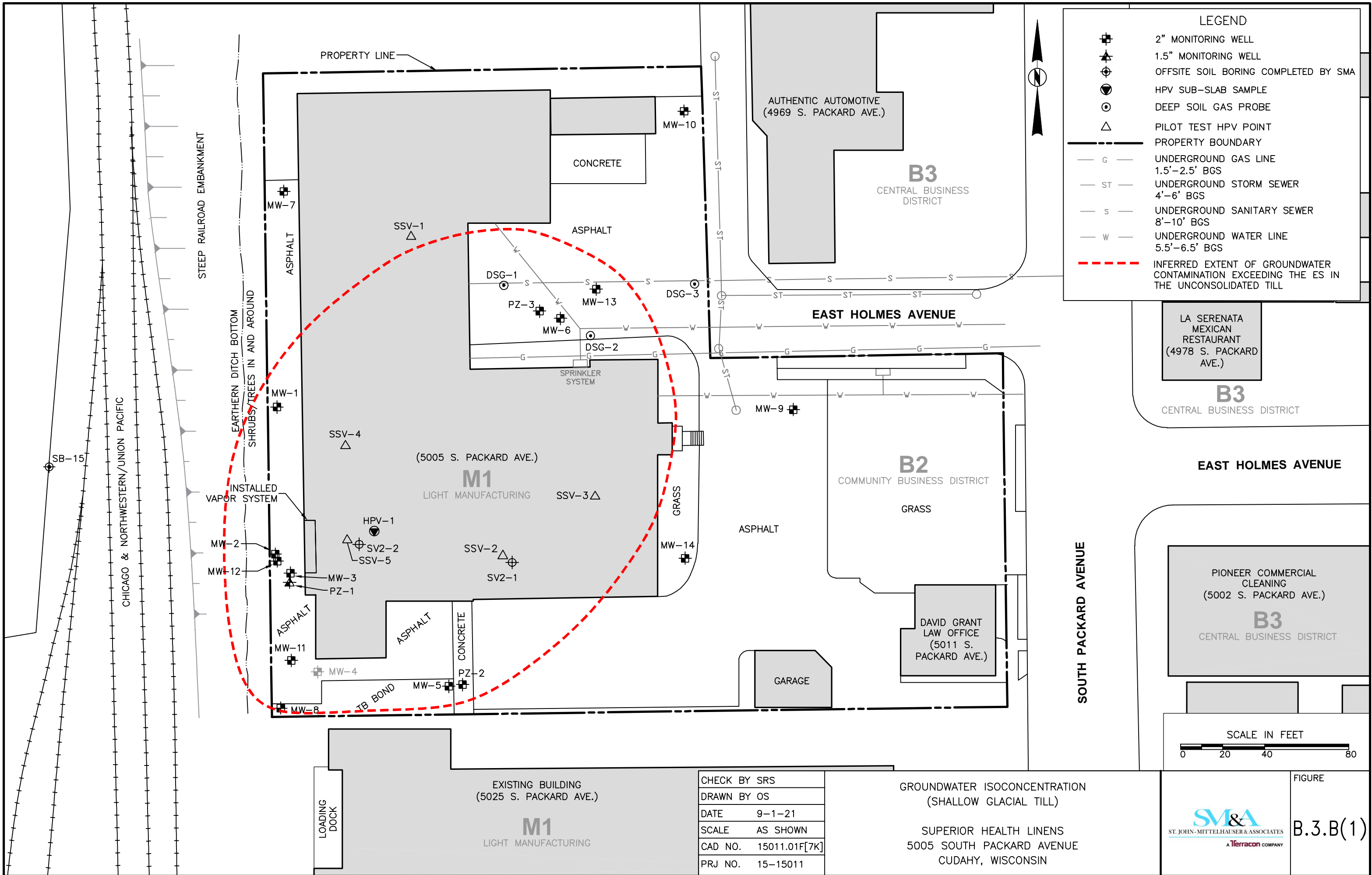
Guidance for Electronic Submittals for the Remediation and Redevelopment Program (RR-690)

Continuing Obligations for Environmental Protection (RR-819)

Environmental Contamination and Your Real Estate (RR-973)

Post-Closure Modifications: Changes to Property Conditions after a State-Approved Cleanup (RR-987)

Using Natural Attenuation to Clean Up Contaminated Groundwater: What Landowners Should Know (RR-671)



LEGEND

- ⊕ 2" MONITORING WELL
- ⊕ 1.5" MONITORING WELL
- ⊕ OFFSITE SOIL BORING COMPLETED BY SMA
- HPV SUB-SLAB SAMPLE
- ⊙ DEEP SOIL GAS PROBE
- △ PILOT TEST HPV POINT
- PROPERTY BOUNDARY
- G - UNDERGROUND GAS LINE 1.5'-2.5' BGS
- ST - UNDERGROUND STORM SEWER 4'-6' BGS
- S - UNDERGROUND SANITARY SEWER 8'-10' BGS
- W - UNDERGROUND WATER LINE 5.5'-6.5' BGS
- - - INFERRED EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING THE ES IN THE UNCONSOLIDATED TILL

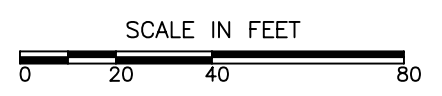
LA SERENATA MEXICAN RESTAURANT (4978 S. PACKARD AVE.)

B3
CENTRAL BUSINESS DISTRICT

EAST HOLMES AVENUE

PIONEER COMMERCIAL CLEANING (5002 S. PACKARD AVE.)

B3
CENTRAL BUSINESS DISTRICT



CHECK BY	SRS
DRAWN BY	OS
DATE	9-1-21
SCALE	AS SHOWN
CAD NO.	15011.01F[7K]
PRJ NO.	15-15011

GROUNDWATER ISOCONCENTRATION (SHALLOW GLACIAL TILL)

SUPERIOR HEALTH LINENS
5005 SOUTH PACKARD AVENUE
CUDAHY, WISCONSIN



FIGURE
B.3.B(1)

PROPERTY LINE

AUTHENTIC AUTOMOTIVE (4969 S. PACKARD AVE.)

B3
CENTRAL BUSINESS DISTRICT

EAST HOLMES AVENUE

B2
COMMUNITY BUSINESS DISTRICT

SOUTH PACKARD AVENUE

(5005 S. PACKARD AVE.)

M1
LIGHT MANUFACTURING

DAVID GRANT LAW OFFICE (5011 S. PACKARD AVE.)

GARAGE

EXISTING BUILDING (5025 S. PACKARD AVE.)

M1
LIGHT MANUFACTURING

LOADING DOCK

STEEP RAILROAD EMBANKMENT

EARTHEN DITCH BOTTOM SHRUBS/TREES IN AND AROUND

INSTALLED VAPOR SYSTEM

CHICAGO & NORTHWESTERN/UNION PACIFIC

CONCRETE

ASPHALT

MW-10

MW-7

SSV-1

DSG-1

PZ-3

MW-6

DSG-2

DSG-3

MW-13

MW-1

SSV-4

SSV-3

HPV-1

SV2-2

SSV-5

SSV-2

SV2-1

MW-14

MW-12

MW-3

ASPHALT

ASPHALT

CONCRETE

MW-11

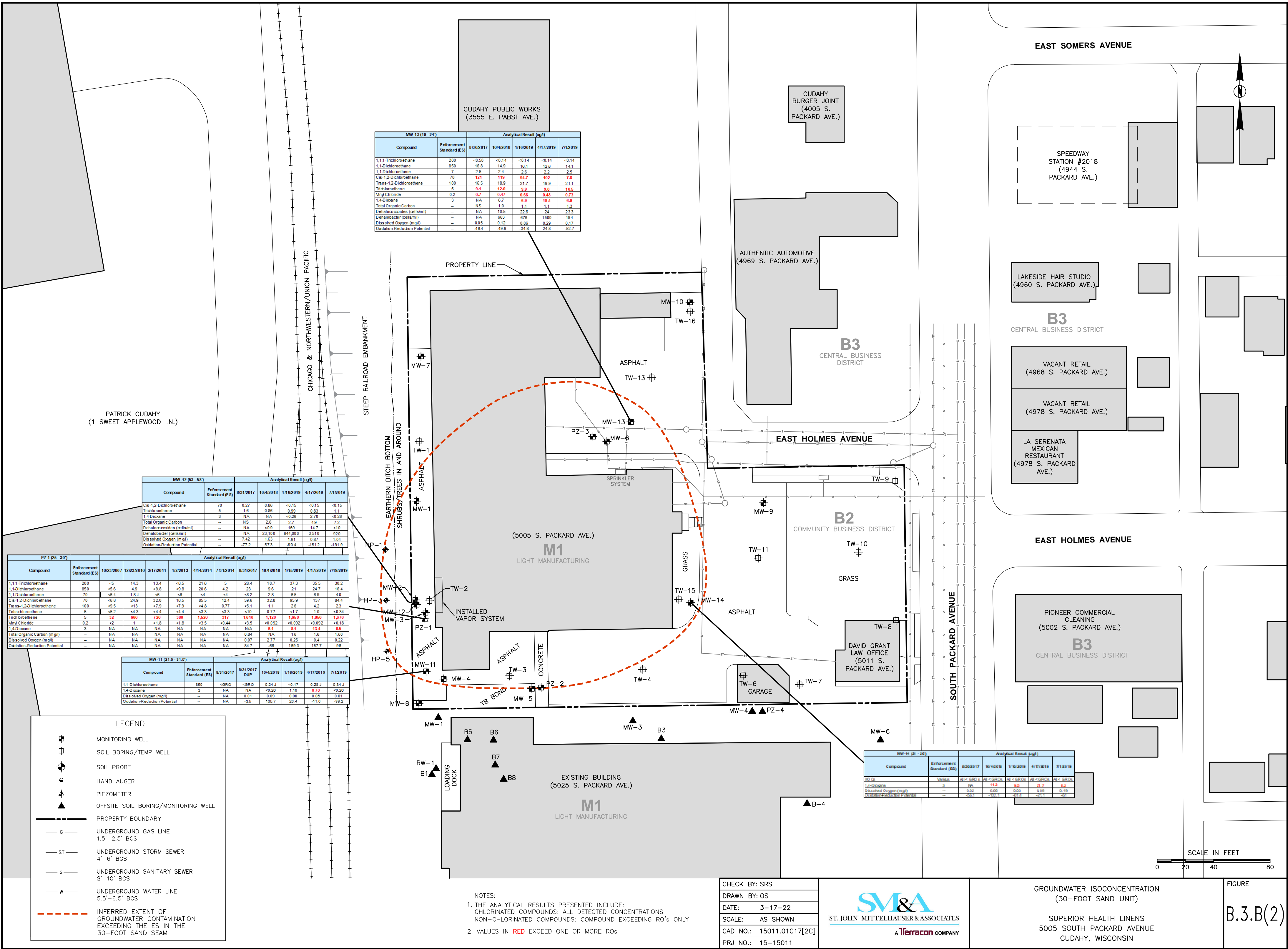
MW-4

PZ-2

MW-5

MW-8

TB BOND



MW-13 (19 - 24)

Compound	Enforcement Standard (ES)	8/30/2017	10/4/2018	1/16/2019	4/17/2019	7/12/2019
1,1,1-Trichloroethane	200	<0.50	<0.14	<0.14	<0.14	<0.14
1,1-Dichloroethane	850	16.8	14.9	16.1	12.8	14.1
1,1-Dichloroethene	7	2.5	2.4	2.6	2.2	2.5
Cis-1,2-Dichloroethane	70	121	119	94.7	102	7.8
Trans-1,2-Dichloroethane	100	16.5	18.9	21.7	19.9	21.1
Trichloroethene	5	9.1	12.9	9.9	9.8	10.5
Vinyl Chloride	0.2	0.7	0.47	0.66	0.48	0.23
1,4-Dioxane	3	NA	6.7	6.9	19.4	6.9
Total Organic Carbon	-	NS	1.0	1.1	1.1	1.3
Dehalooxides (cells/ml)	-	NA	10.5	22.6	24	23.3
Dehalobacter (cells/ml)	-	NA	863	679	1500	194
Dissolved Oxygen (mg/l)	-	0.05	0.12	0.06	0.29	0.17
Oxidation-Reduction Potential	-	-46.4	-49.9	-34.8	24.8	-52.7

MW-12 (53 - 58)

Compound	Enforcement Standard (ES)	8/31/2017	10/4/2018	1/16/2019	4/17/2019	7/12/2019
Cis-1,2-Dichloroethane	70	0.27	0.86	<0.15	<0.15	<0.15
Trichloroethene	5	1.6	0.86	0.99	0.83	1.1
1,4-Dioxane	3	NA	NA	<0.26	2.70	<0.26
Total Organic Carbon	-	NS	2.8	2.7	4.9	7.2
Dehalooxides (cells/ml)	-	NA	<0.9	169	14.7	<10
Dehalobacter (cells/ml)	-	NA	23,100	644,000	3,510	920
Dissolved Oxygen (mg/l)	-	7.42	1.63	1.61	0.87	1.04
Oxidation-Reduction Potential	-	-77.2	57.3	-90.4	-151.2	-181.9

PZ-1 (25 - 30)

Compound	Enforcement Standard (ES)	10/23/2007	12/23/2010	3/17/2011	1/2/2013	4/14/2014	7/31/2014	8/31/2017	10/4/2018	1/16/2019	4/17/2019	7/19/2019
1,1,1-Trichloroethane	200	<5	14.3	13.4	<5	21.8	5	28.4	10.7	37.3	35.5	30.2
1,1-Dichloroethane	850	<5.6	4.9	<9.8	<9.8	20.6	4.2	23	9.6	21	24.7	16.4
1,1-Dichloroethene	70	<6.4	1.8 J	<6	<6	4	<4	<8.2	2.8	6.5	6.9	4.0
Cis-1,2-Dichloroethane	70	<6.8	24.9	32.0	18.5	85.5	12.4	59.6	32.6	95.9	137	84.4
Trans-1,2-Dichloroethane	100	<9.5	<13	<19	<19	<4.8	0.77	<5.1	1.1	2.6	4.2	2.3
Trichloroethene	5	<5.2	<4.3	<4.4	<4.4	<3.3	<3.3	<10	0.77	<1.7	1.0	<0.34
Trichloroethene	5	32	660	720	380	1,520	317	1,610	1,120	1,850	1,850	1,670
Vinyl Chloride	0.2	<2	1	<1.8	<1.8	<3.5	<0.44	<3.5	<0.092	<0.092	<0.092	<0.18
1,4-Dioxane	3	NA	NA	NA	NA	NA	NA	6.1	6.1	15.4	6.5	6.5
Total Organic Carbon (mg/l)	-	NA	NA	NA	NA	NA	NA	0.84	NA	1.6	1.6	1.60
Dissolved Oxygen (mg/l)	-	NA	NA	NA	NA	NA	NA	0.07	2.77	0.25	0.4	0.22
Oxidation-Reduction Potential	-	NA	NA	NA	NA	NA	NA	84.7	-66	169.3	157.7	96

MW-11 (21.5 - 31.9)

Compound	Enforcement Standard (ES)	8/31/2017	8/31/2017 DUP	10/4/2018	1/16/2019	4/17/2019	7/12/2019
1,1-Dichloroethane	850	<GRO	<GRO	0.24 J	<0.17	0.28 J	0.34 J
1,4-Dioxane	3	NA	NA	<0.26	1.10	8.70	<0.26
Dissolved Oxygen (mg/l)	-	NA	0.91	0.99	0.98	0.98	0.91
Oxidation-Reduction Potential	-	NA	-3.5	136.7	30.4	-11.0	-39.2

MW-16 (25 - 28)

Compound	Enforcement Standard (ES)	8/30/2017	10/4/2018	1/16/2019	4/17/2019	7/12/2019
1,4-Dioxane	3	NA	11.3	6.5	21.7	6.2
Dissolved Oxygen (mg/l)	-	0.02	0.06	0.05	0.09	0.19
Oxidation-Reduction Potential	-	-54.1	-55	-51.3	-21.1	-67

LEGEND

- ⊕ MONITORING WELL
- ⊕ SOIL BORING/TEMP WELL
- ⊕ SOIL PROBE
- ⊕ HAND AUGER
- ⊕ PIEZOMETER
- ▲ OFFSITE SOIL BORING/MONITORING WELL
- PROPERTY BOUNDARY
- G — UNDERGROUND GAS LINE 1.5'–2.5' BGS
- ST — UNDERGROUND STORM SEWER 4'–6' BGS
- S — UNDERGROUND SANITARY SEWER 8'–10' BGS
- W — UNDERGROUND WATER LINE 5.5'–6.5' BGS
- - - INFERRED EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING THE ES IN THE 30-FOOT SAND SEAM

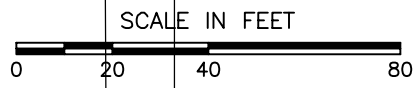
NOTES:
 1. THE ANALYTICAL RESULTS PRESENTED INCLUDE: CHLORINATED COMPOUNDS: ALL DETECTED CONCENTRATIONS NON-CHLORINATED COMPOUNDS: COMPOUND EXCEEDING RO'S ONLY
 2. VALUES IN RED EXCEED ONE OR MORE RO'S

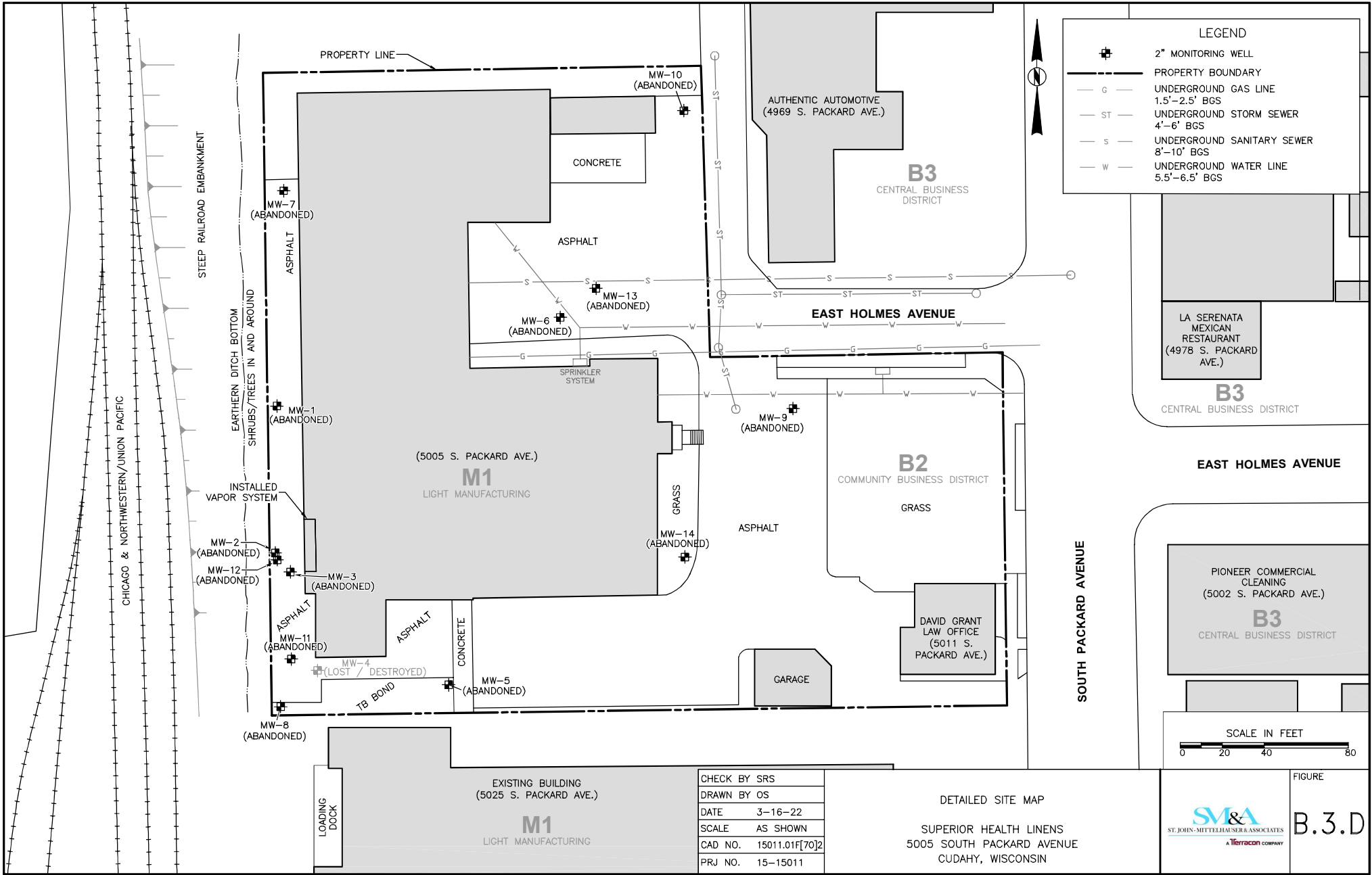
CHECK BY: SRS
 DRAWN BY: OS
 DATE: 3-17-22
 SCALE: AS SHOWN
 CAD NO.: 15011.01C17[2C]
 PRJ NO.: 15-15011



GROUNDWATER ISOCONCENTRATION (30-FOOT SAND UNIT)
 SUPERIOR HEALTH LINENS
 5005 SOUTH PACKARD AVENUE
 CUDAHY, WISCONSIN

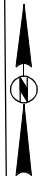
FIGURE
B.3.B(2)





LEGEND

- ⊕ 2" MONITORING WELL
- — — — — PROPERTY BOUNDARY
- G — UNDERGROUND GAS LINE
1.5'-2.5' BGS
- ST — UNDERGROUND STORM SEWER
4'-6' BGS
- S — UNDERGROUND SANITARY SEWER
8'-10' BGS
- W — UNDERGROUND WATER LINE
5.5'-6.5' BGS



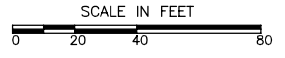
LA SERENATA
MEXICAN
RESTAURANT
(4978 S. PACKARD
AVE.)

B3
CENTRAL BUSINESS DISTRICT

EAST HOLMES AVENUE

PIONEER COMMERCIAL
CLEANING
(5002 S. PACKARD AVE.)

B3
CENTRAL BUSINESS DISTRICT



CHECK BY	SRS
DRAWN BY	OS
DATE	3-16-22
SCALE	AS SHOWN
CAD NO.	15011.01F[70]2
PRJ NO.	15-15011

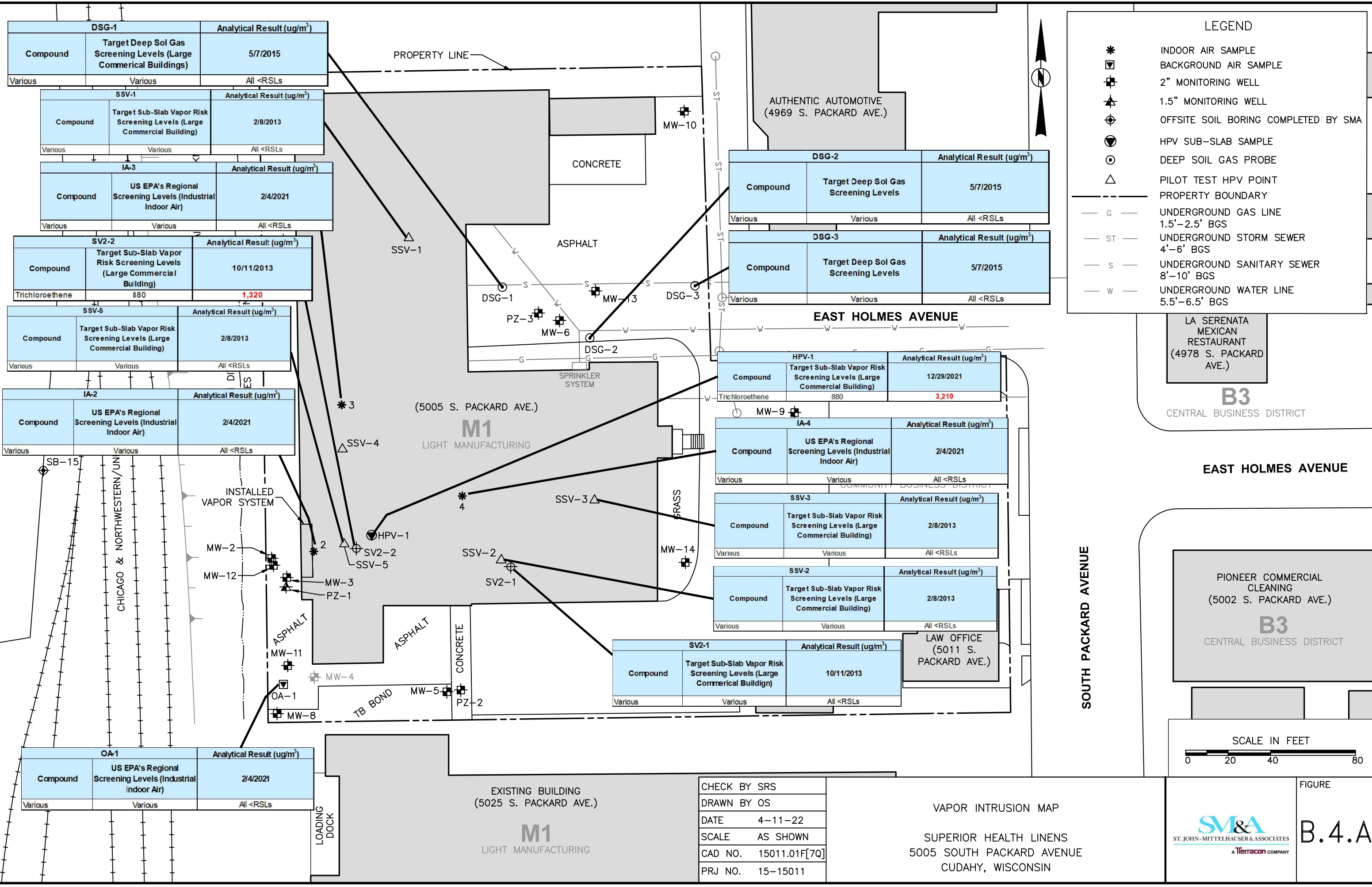
DETAILED SITE MAP
SUPERIOR HEALTH LINENS
5005 SOUTH PACKARD AVENUE
CUDAHY, WISCONSIN



FIGURE
B.3.D

EXISTING BUILDING
(5025 S. PACKARD AVE.)
M1
LIGHT MANUFACTURING

LOADING
DOCK



DSG-1		Analytical Result (ug/m ³)
Compound	Target Deep Sol Gas Screening Levels (Large Commercial Buildings)	5/7/2015
Various	Various	All <RSLs

SSV-1		Analytical Result (ug/m ³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	2/8/2013
Various	Various	All <RSLs

IA-3		Analytical Result (ug/m ³)
Compound	US EPA's Regional Screening Levels (Industrial Indoor Air)	2/4/2021
Various	Various	All <RSLs

SV2-2		Analytical Result (ug/m ³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	10/11/2013
Trichloroethene	880	1,320

SSV-5		Analytical Result (ug/m ³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	2/8/2013
Various	Various	All <RSLs

IA-2		Analytical Result (ug/m ³)
Compound	US EPA's Regional Screening Levels (Industrial Indoor Air)	2/4/2021
Various	Various	All <RSLs

OA-1		Analytical Result (ug/m ³)
Compound	US EPA's Regional Screening Levels (Industrial Indoor Air)	2/4/2021
Various	Various	All <RSLs

DSG-2		Analytical Result (ug/m ³)
Compound	Target Deep Sol Gas Screening Levels	5/7/2015
Various	Various	All <RSLs

DSG-3		Analytical Result (ug/m ³)
Compound	Target Deep Sol Gas Screening Levels	5/7/2015
Various	Various	All <RSLs

HPV-1		Analytical Result (ug/m ³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	12/29/2021
Trichloroethene	880	3,210

IA-4		Analytical Result (ug/m ³)
Compound	US EPA's Regional Screening Levels (Industrial Indoor Air)	2/4/2021
Various	Various	All <RSLs

SSV-3		Analytical Result (ug/m ³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	2/8/2013
Various	Various	All <RSLs

SSV-2		Analytical Result (ug/m ³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	2/8/2013
Various	Various	All <RSLs

SV2-1		Analytical Result (ug/m ³)
Compound	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Building)	10/11/2013
Various	Various	All <RSLs

LEGEND

- * INDOOR AIR SAMPLE
- ☐ BACKGROUND AIR SAMPLE
- ⊕ 2" MONITORING WELL
- ⊕ 1.5" MONITORING WELL
- ⊕ OFFSITE SOIL BORING COMPLETED BY SMA
- HPV SUB-SLAB SAMPLE
- ⊕ DEEP SOIL GAS PROBE
- △ PILOT TEST HPV POINT
- - - PROPERTY BOUNDARY
- G - UNDERGROUND GAS LINE 1.5'-2.5' BGS
- ST - UNDERGROUND STORM SEWER 4'-6' BGS
- S - UNDERGROUND SANITARY SEWER 8'-10' BGS
- W - UNDERGROUND WATER LINE 5.5'-6.5' BGS

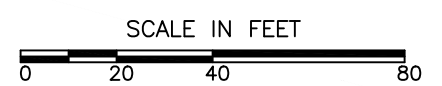
LA SERENATA MEXICAN RESTAURANT (4978 S. PACKARD AVE.)

B3
CENTRAL BUSINESS DISTRICT

EAST HOLMES AVENUE

PIONEER COMMERCIAL CLEANING (5002 S. PACKARD AVE.)

B3
CENTRAL BUSINESS DISTRICT



CHECK BY SRS
DRAWN BY OS
DATE 4-11-22
SCALE AS SHOWN
CAD NO. 15011.01F[7Q]
PRJ NO. 15-15011

VAPOR INTRUSION MAP
SUPERIOR HEALTH LINENS
5005 SOUTH PACKARD AVENUE
CUDAHY, WISCONSIN



FIGURE
B.4.A

COVER or BARRIER MAINTENANCE PLAN

May 1, 2022

Property Located at: 5005 South Packard Avenue, Cudahy, Wisconsin

FID#: 241780880

WNDR BRTTS: #02-41-532649

LEGAL DESCRIPTION: CERTIFIED SURVEY MAP NO. 7617, Lot 1 NW 26-6-22

TAX PARCEL ID #: 6310088001

Introduction

This document is the Maintenance Plan for an engineered barrier consisting of asphalt pavement at the above-referenced property in accordance with the requirements of s. NR 724.13 (2), Wis. Adm. Code. The maintenance activities relate to the existing asphalt pavement which addresses or occupies the area over the contaminated soil.

More site-specific information about this property/site may be found in:

- The case file in the DNR Southeast office
- At <http://dnr.wi.gov/topic/Brownfields/wrrd.html>, which includes:
 - o BRTTS on the Web (DNR's internet based data base of contaminated sites) for the link to a PDF for site-specific information at the time of closure and on continuing obligations;
 - o RR Sites Map for a map view of the site, and
- The DNR project manager for Milwaukee County.

Description of Contamination

Soil contaminated by petroleum constituents (1,2,4-trimethylbenzene) is located at a depth within 4 feet of the ground surface between the west wall of the building and the Union Pacific Right of Way. In addition, soils containing chlorinated volatile organic compounds (CVOCs) exist in the soils at the southwest corner of the property and potentially extend under the southwest corner of the building. The extent of the soil contamination exceeding the direct contact RCLs and/or the protection of groundwater RCLs is shown on the Figure in Attachment D.2

Description of the Engineered Barrier to be Maintained

The engineered barrier to the south and west of the building consists of asphalt pavement, approximately 4-inches in thickness. The engineered barrier within the building footprint consists of approximately 4-inches of poured concrete. The location of the engineered barrier is shown on Figure in Attachment D.2. Photographs of the engineered barriers is provided in Attachment D.3

Engineered Barrier Purpose

The purpose of the engineered barrier is to prevent:

- Protection of human health by limiting contact with impacted soils exceeding the Direct Contact Residual Contaminant Level (RCL) for 1,2,4-trimethylbenzene; and
- Protection of groundwater by minimizing the infiltration of surface water within areas of impacted soil.

The extent of the soil contamination exceeding the direct contact RCLs and/or the protection of groundwater RCLs is shown on the Figure in Attachment D.2.

Annual Inspection

The engineered barrier overlying the contaminated soil and depicted on the Figure in Attachment D.2 will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause exposure to underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed will be documented.

A log of the inspections and any repairs will be maintained by the property owner and is included on Form 4400-305, Continuing Obligations Inspection and Maintenance Log. A copy of the log is provided in Attachment D.4. An electronic copy (fillable PDF) can be downloaded here:

<https://dnr.wisconsin.gov/topic/Brownfields/Professionals.html> The log will include recommendations for necessary repair of any areas where underlying soils are exposed and where infiltration from the surface will not be effectively minimized. Once repairs are completed, they will be documented in the inspection log. A copy of the maintenance plan and inspection log will be kept at the site; or, if there is no acceptable place (for example, no building is present) to keep it at the site, at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources (DNR) representatives upon their request.

Maintenance Activities

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling or larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment (PPE). The owner must also sample any soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law.

In the event the asphalt cap overlying the contaminated soil is removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the DNR or its successor.

The property owner, in order to maintain the integrity of the asphalt cap, will maintain a copy of this Maintenance Plan at the site and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

Prohibition of Activities and Notification of DNR Prior to Actions Affecting a Cover/Barrier

The following activities are prohibited on any portion of the property where the Cover/Barrier is required as shown on the Figure in Attachment D.2, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; 6) construction or placement of a building or other structure.

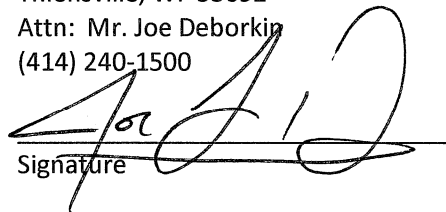
If removal, replacement or other changes to a cover, or a building which is acting as a cover, are considered, the property owner will contact DNR at least 45 days before taking such an action, to determine whether further action may be necessary to protect human health, safety, or welfare or the environment, in accordance with s. NR 727.07, Wis. Adm. Code.

Amendment or Withdrawal of Maintenance Plan

This Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of DNR.

Contact Information (Effective May 1, 2022)

Site Owner **Cudahy Holdings, LLC**
138 Buntrock Avenue
Thiensville, WI 53092
Attn: Mr. Joe Deborkin
(414) 240-1500



Signature

Site Operator: **Superior Health Linens**
5005 South Packard Avenue
Cudahy, Wisconsin
Attn: Mr. Nick Schwartz
(414) 769-0670

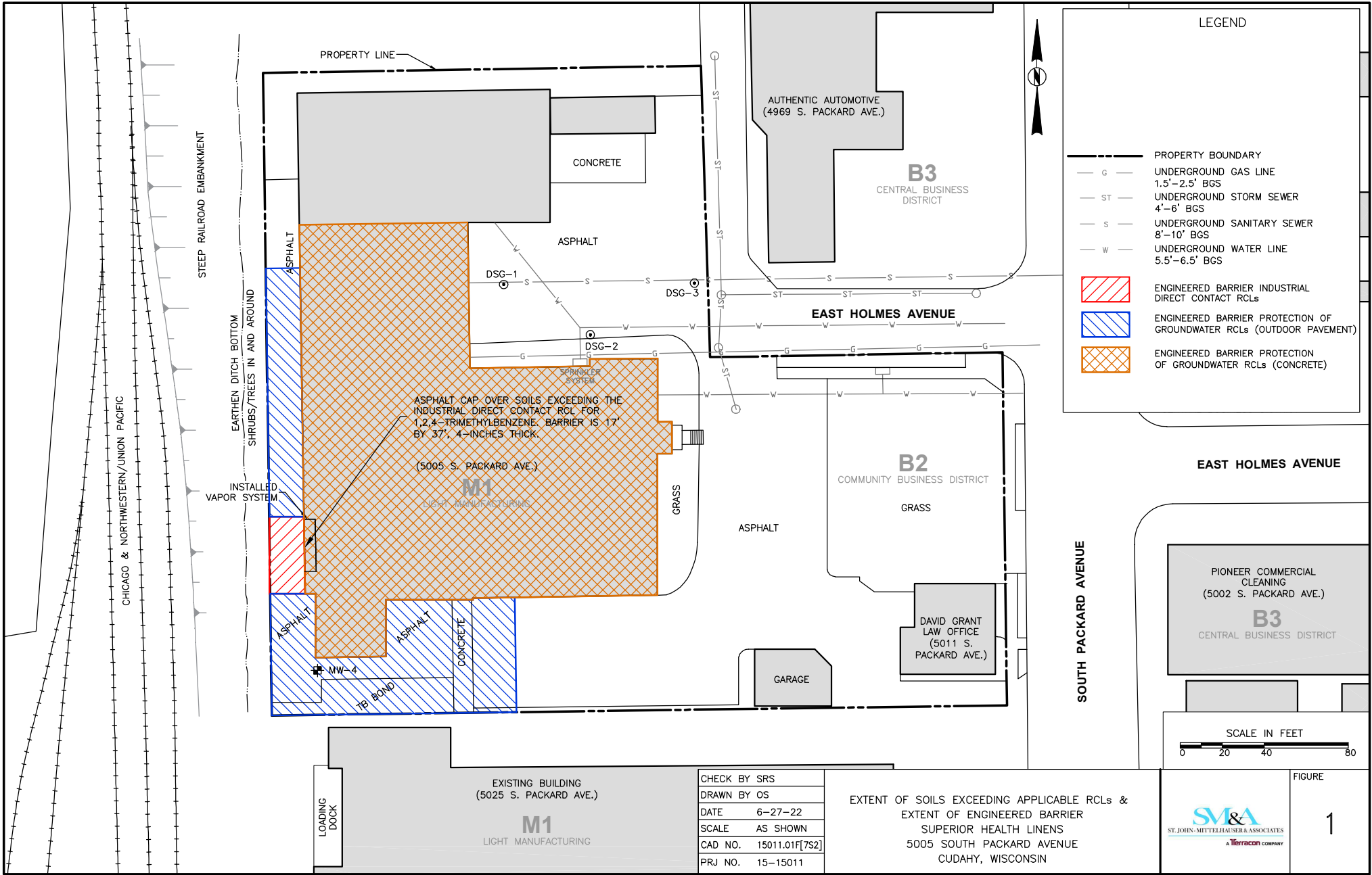
Consultant: **St. John – Mittelhauser & Associates, Inc.**
1401 Branding Avenue Suite 315
Downers Grove, Illinois 60515
(630) 427-8100
Attention Mr. Steve Swenson

DNR: **Wisconsin Department of Natural Resources**
Remediation and Redevelopment Bureau
2300 N. Dr. Martin Luther King Jr. Drive
Milwaukee, Wisconsin 53212
Attn: Mr. Paul Grittner, Hydrogeologist

- Attachments: D.2: Figure**
D.3: Photographs of Engineered Barrier
D.4: Continuing Obligations Inspection and Maintenance Log

ATTACHMENT D.2

Figure 1: Extent of Soils Exceeding Applicable RCLs & Extent of Engineered Barrier



PROPERTY LINE

AUTHENTIC AUTOMOTIVE
(4969 S. PACKARD AVE.)

B3
CENTRAL BUSINESS DISTRICT

CONCRETE

ASPHALT

DSG-1

DSG-3

DSG-2

EAST HOLMES AVENUE

B2
COMMUNITY BUSINESS DISTRICT

GRASS

ASPHALT

ASPHALT CAP OVER SOILS EXCEEDING THE INDUSTRIAL DIRECT CONTACT RCL FOR 1,2,4-TRIMETHYLBENZENE. BARRIER IS 17' BY 37'. 4-INCHES THICK.

(5005 S. PACKARD AVE.)

M1
LIGHT MANUFACTURING

GRASS

DAVID GRANT
LAW OFFICE
(5011 S. PACKARD AVE.)

GARAGE

PIONEER COMMERCIAL
CLEANING
(5002 S. PACKARD AVE.)

B3
CENTRAL BUSINESS DISTRICT

STEEP RAILROAD EMBANKMENT

EARTHEN DITCH BOTTOM
SHRUBS/TREES IN AND AROUND

INSTALLED
VAPOR SYSTEM

CHICAGO & NORTHWESTERN/UNION PACIFIC

LOADING DOCK

EXISTING BUILDING
(5025 S. PACKARD AVE.)

M1
LIGHT MANUFACTURING

CHECK BY SRS
DRAWN BY OS
DATE 6-27-22
SCALE AS SHOWN
CAD NO. 15011.01F[7S2]
PRJ NO. 15-15011

EXTENT OF SOILS EXCEEDING APPLICABLE RCLs & EXTENT OF ENGINEERED BARRIER SUPERIOR HEALTH LINENS
5005 SOUTH PACKARD AVENUE
CUDAHY, WISCONSIN

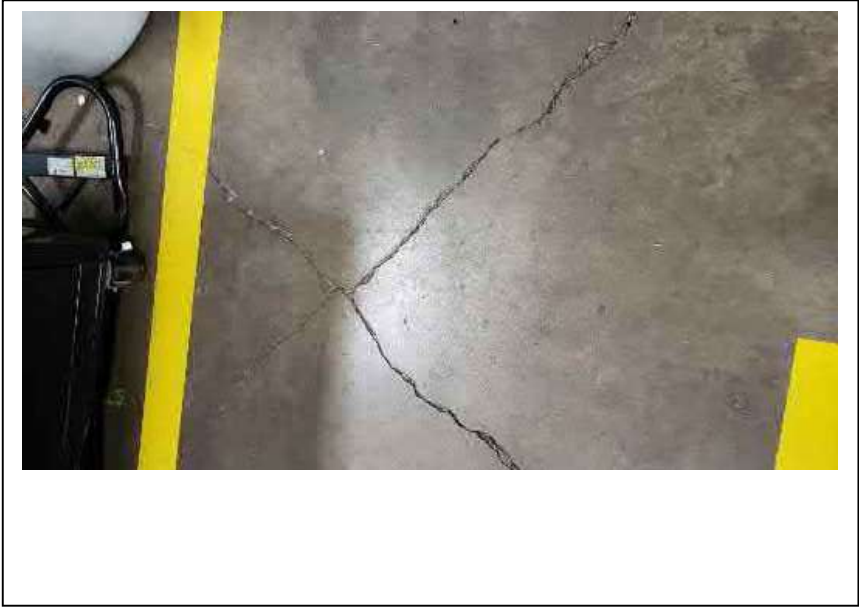
SMA
ST. JOHN-MITTELHAUSER & ASSOCIATES
A Terracon COMPANY

FIGURE

1

ATTACHMENT D.3

Photographs of Cover / Barrier



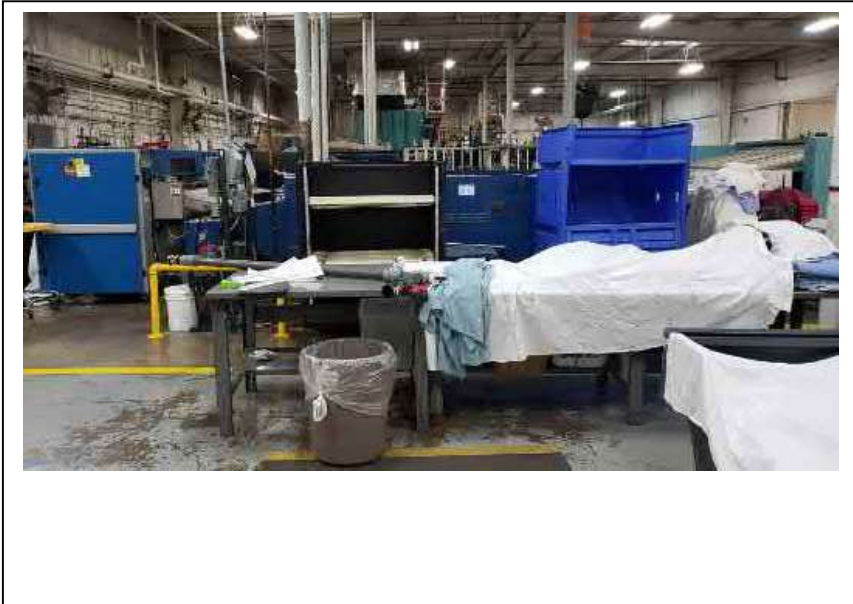
PHOTOGRAPH # 1 *Taken on: 12/27/2021*
Description: View of the concrete floor with sealed cracks within the southwest corner of the building.



PHOTOGRAPH # 2 *Taken on: 12/27/2021*
Description: View of the concrete floor within southwest corner of the building.



PHOTOGRAPH # 3 *Taken on: 12/27/2021*
Location/Direction: View of the concrete floor within southwest corner of the building.



PHOTOGRAPH # 4 *Taken on: 12/27/2021*
Location/Direction: View of the concrete floor within southwest corner of the building.



PHOTOGRAPH # 1 *Taken on: 6/27/21*
Description: View of engineered barrier along west side of building, facing northwest. Union Pacific Right-of-Way visible in the lower left (grass). White PVC vent pipe and blower associated with the Sub-Slab Depressurization System is visible in the center of the photo.



PHOTOGRAPH # 2 *Taken on: 6/27/21*
Description: View of engineered barrier along west side of building, facing south. Union Pacific Right-of-Way visible on the right side of the photograph.



PHOTOGRAPH # 3

Taken on: 6/27/21

Description: Photo of engineered barrier along west side of building, facing north towards the former location of MW-7



PHOTOGRAPH # 4

Taken on: 6/27/21

Description: View of engineered barrier at the southwest corner of the property and along the southside of the building, facing east.

ATTACHMENT D.4

Continuing Obligations Inspection and Maintenance Log

Directions: In accordance with s. NR 727.05 (1) (b) 3., Wis. Adm. Code, use of this form for documenting the inspections and maintenance of certain continuing obligations is required. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Public Records law [ss. 19.31-19.39, Wis. Stats.]. When using this form, identify the condition that is being inspected. See the closure approval letter for this site for requirements regarding the submittal of this form to the Department of Natural Resources. A copy of this inspection log is required to be maintained either on the property, or at a location specified in the closure approval letter. Do NOT delete previous inspection results. This form was developed to provide a continuous history of site inspection results. The Department of Natural Resources project manager is identified in the closure letter. The project manager may also be identified from the database, BRRTS on the Web, at <http://dnr.wi.gov/botw/SetUpBasicSearchForm.do>, by searching for the site using the BRRTS ID number, and then looking in the "Who" section.

Activity (Site) Name Superior Heath Linens	BRRTS No. 02-41-532649
--	----------------------------------

Inspections are required to be conducted (see closure approval letter):

annually
 semi-annually
 other – specify _____

When submittal of this form is required, submit the form electronically to the DNR project manager. An electronic version of this filled out form, or a scanned version may be sent to the following email address (see closure approval letter):

Inspection Date	Inspector Name	Item	Describe the condition of the item that is being inspected	Recommendations for repair or maintenance	Previous recommendations implemented?	Photographs taken and attached?
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier for soil <input type="checkbox"/> sediment cap <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier for soil <input type="checkbox"/> sediment cap <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier for soil <input type="checkbox"/> sediment cap <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier for soil <input type="checkbox"/> sediment cap <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier for soil <input type="checkbox"/> sediment cap <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier for soil <input type="checkbox"/> sediment cap <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N

{Click to Add/Edit Image}

Date added:

Title:

{Click to Add/Edit Image}

Date added:

Title:

Sub-Slab Depressurization System (SSDS)

Operations & Maintenance Plan

1. VMS Description, Purpose and Location

Location

Superior Health Linens (SHL), 5005 South Packard Avenue, Cudahy Wisconsin
FID #241780880
BRTTS #02-41-532649

Date of Maintenance Plan

May 1, 2022

System Description

This document is the design and maintenance plan for an active sub-slab depressurization system (SSDS) commonly known as a Vapor Mitigation System (VMS) at the above referenced property in accordance with the requirements of S. NR 724.13 (2) Wisconsin Administrative Code. The SSDS is located in the southwest corner of the plant as shown by the System Location Diagram on page 4. The SSDS is a very simple, yet very effective system for removing harmful vapors from beneath the plant floor and was designed to remove possible vapors from the primary soil contaminants defined below. The system utilizes an industrial fan to create negative sub slab pressure to draw contaminated vapors out and exhaust them to the exterior of the building (see VMS Diagram on page 3).

Primary Soil Contaminants

The primary contaminants in the soil are CVOC's, more specifically, Trichloroethene (TCE) and 1,1,1-Trichloroethene (TCA). Breakdown products of TCE, cis-1-2 TCE has also been found in several soil samples.

2. VMS Design

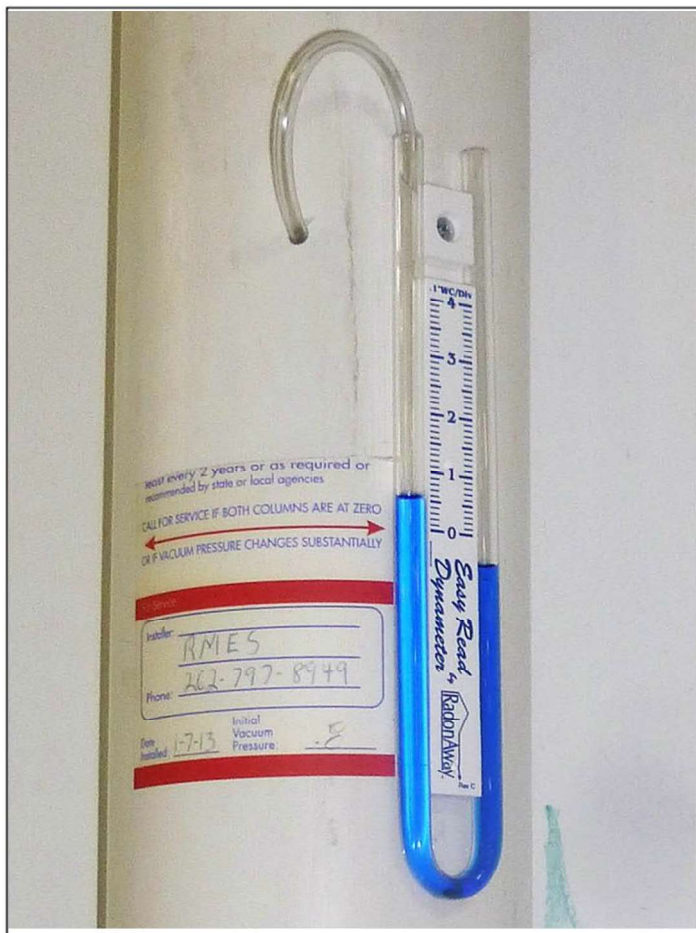
Construction Specifications

The Vapor Mitigation System is located in the southwest corner of the building (see VMS Location Diagram on page 4). Three 5" sub slab draw-points were bored through the interior cement floor of the building to expose sub-soil materials. These draw-points are placed as follows - one through the wall of the raised platform area, and two through the floor adjacent to the west factory wall, approximately 12" – 15" from the wall/foundation. The entire system is constructed of 4" Schedule 40 PVC material. The draw-points are connected by 4" risers that run vertical to a 4" manifold located on top of a ledge approximately 7' off the floor. Another vertical riser runs from a central point in the manifold up approximately 3 feet and out through the sheet metal west wall to the exterior of the building. On the exterior of the building

Revised 05/01/2022

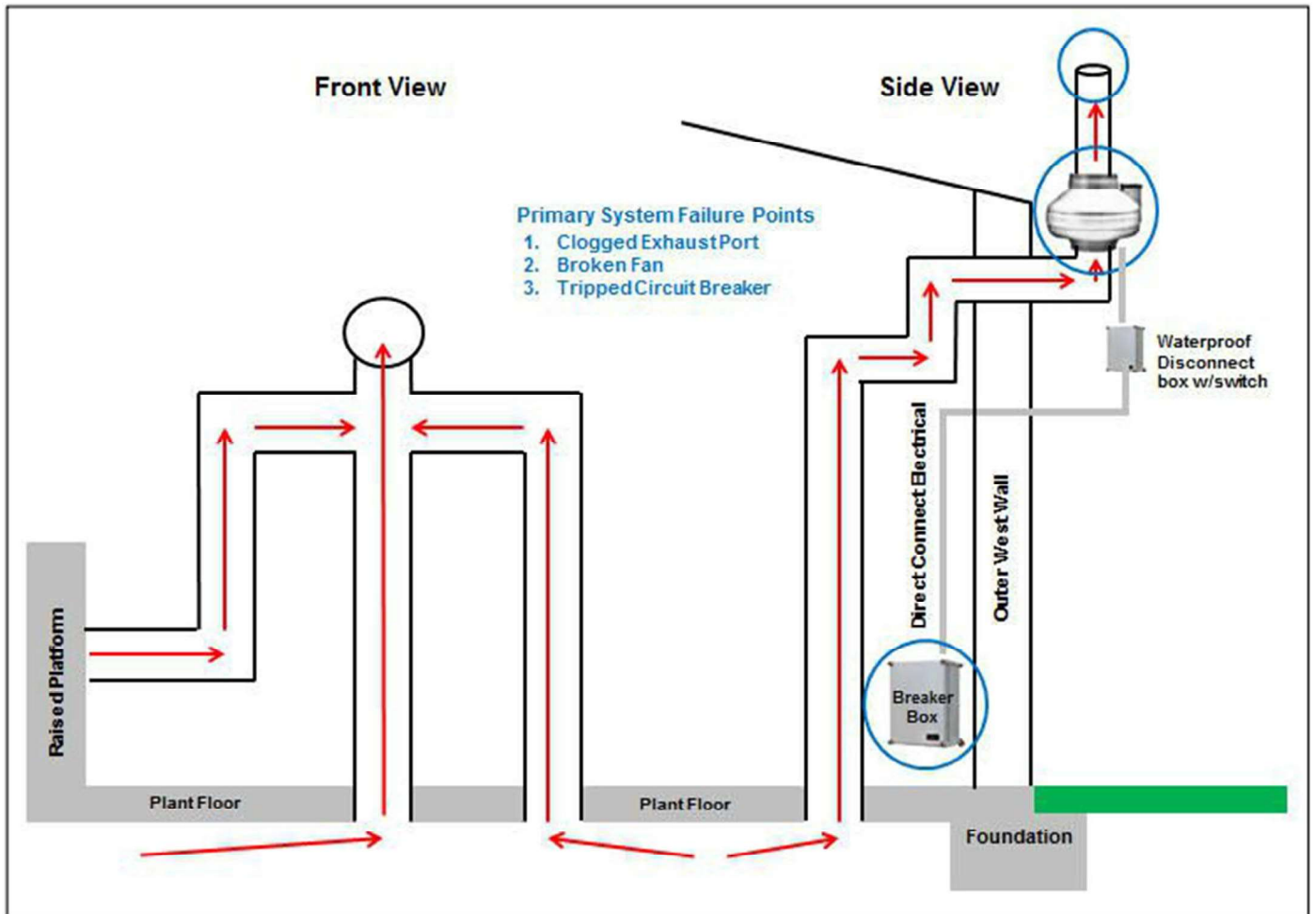
the vertical riser continues to a height of approximately 17'. The Vapor Mitigation System is powered by a UL listed RadonAway RP265 fan (see Specification Sheet on page 9). A 45 degree 6" PVC angle is attached to the top of the fan to point the exhaust up and away from the building (see photos 1 – 6 on pages 5 - 9). **Note – the louvers to the left of the of the vertical exhaust riser shown on photo 5, page 9 are exhaust louvers/fans.** Power to the fan is supplied by a separate 20 amp circuit that is hard-wired to a weatherproof disconnect box/switch. An Easy Read Dynamometer Manometer is installed on one of the draw point risers to measure sub-slab vacuum pressure (see below). The VMS is currently at .6WC on 4" pipe, which equate to about 290cfm. The concrete floor is in good sound condition. All cracks or gaps in the concrete floor that may affect the efficiency of the system or cause back drafting were filled.

Post VMS testing completed by Key Engineering and RMES shows excellent sub-slab communication. The “area of influence” of the system is approximately +3,500 sq. ft. or 35' to 40' from each draw point (see attached ATTACHMENT A).



Revised 05/01/2022

VMS Design Diagram

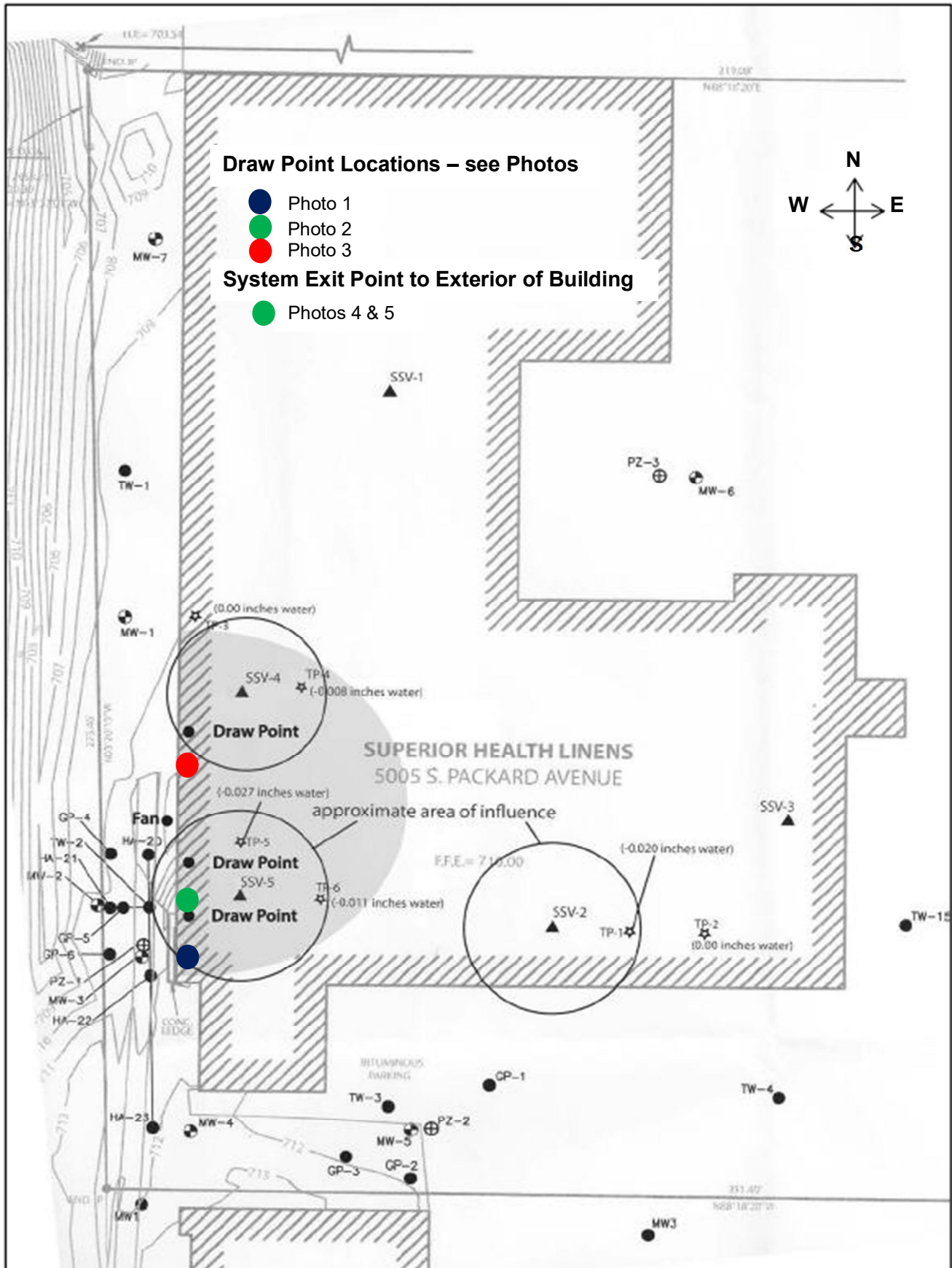


Failure/Monitoring Points

There are three primary potential areas where system failure can occur noted by the blue circles in the above VMS Design Diagram. 1) The external exhaust port could become clogged by debris; 2) The system fan could fail; 3) The circuit breaker could be tripped for some reason.

Revised 05/01/2022

VMS Location Diagram

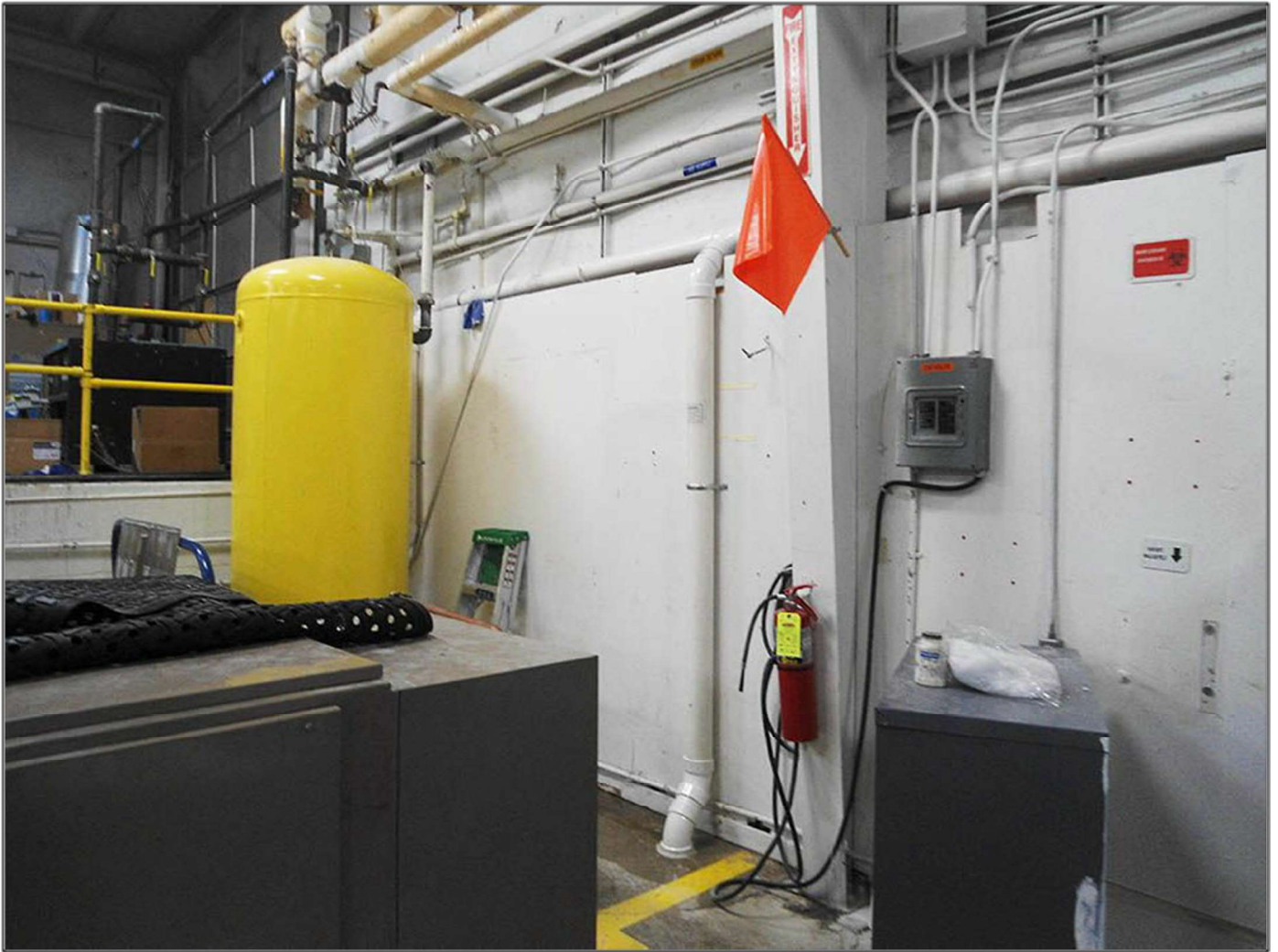


Revised 09-30-2020

Photo 1



Photo 2



Revised 05/01/2022

Photo 3



Revised 05/01/2022

Photo 4



Photo 5

Note: louvers shown to the left of the vertical riser are exhaust louvers/fans

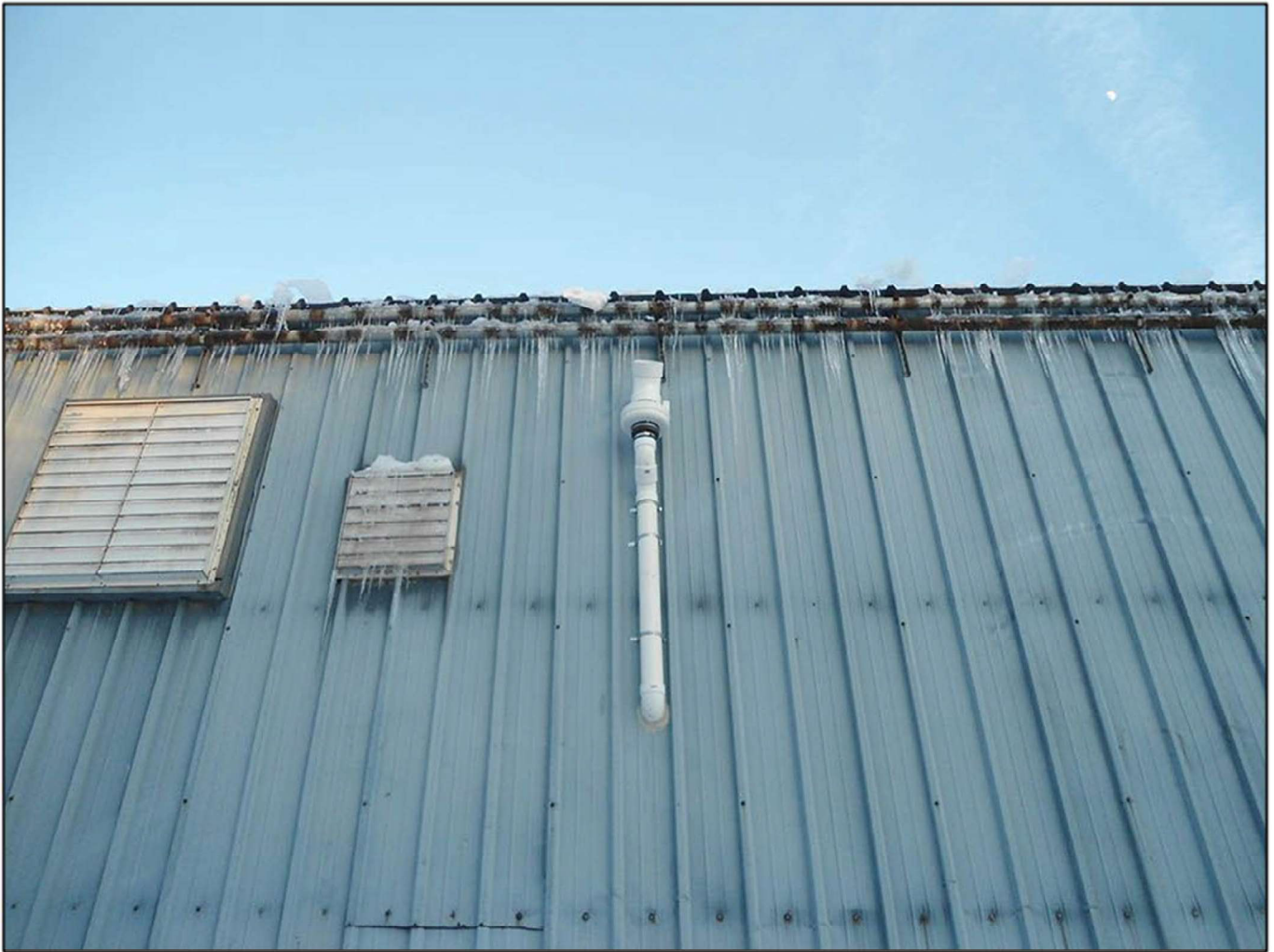
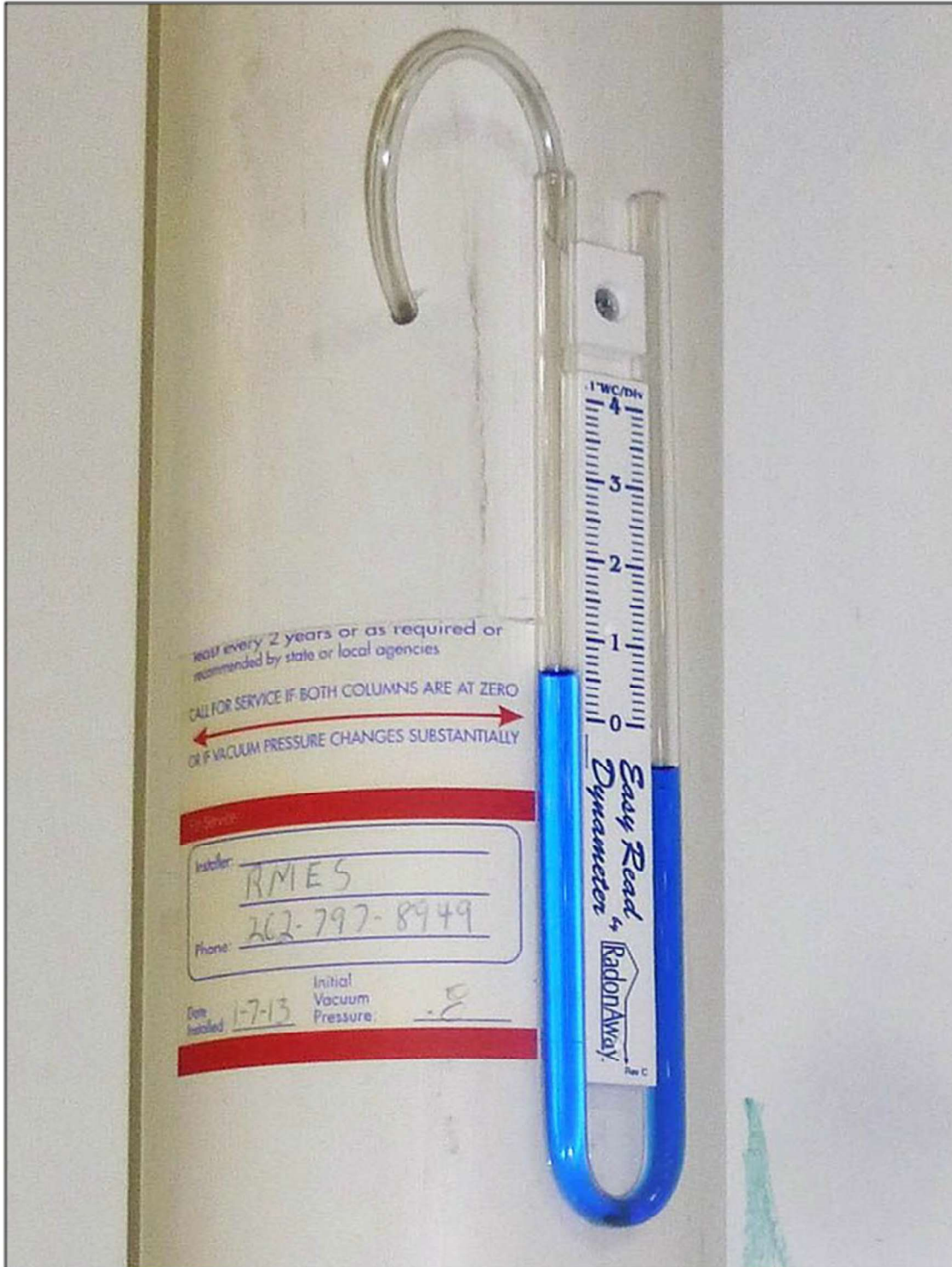


Photo 6

Manometer Installed on draw tube 3 as shown in Photo 3



3. VMS Maintenance

Required Maintenance of the VMS Fan/Blower

According to the manufacturer of the fan, there is no periodic maintenance required. The fan is an industrial model designed for exterior use. The motor is thermally protected. The fan body seams are sealed to inhibit vapor leaks and water intrusion, and the fan utilizes a water-hardened motorized impeller (see Fan Specification Sheet on page 12). The remaining elements of the system (PVC piping & electrical system) also do not require periodic maintenance.

Required Floor Maintenance

During the quarterly inspection of the system, the plant floor in the “area of influence”, defined as 35’ to 40’ from the draw points, must also be inspected to make sure old and new cracks are sealed. Maintenance of the cracks will be logged on the SHL VMS Inspection Log Sheet shown below.

Reassess the VMS System Due to Changes in the Use of the Space

Vapor intrusion tests of the facility were done using both high and low volume testing methods throughout the plant. These tests were performed during February, the coldest month of the year in Wisconsin when the plant was completely closed up and the HVAC systems were operating (plant overhead door are open during the spring, summer and fall). In the high volume test, negligible CVOC were detected at each of the test points. In the low volume test, one of the test points in the southwest corner of the plant registered CVOC slightly higher than WDNR guidelines which is what precipitated installing a VMS. Based on these facts, we feel strongly that changes in use of the facility space would not require a reassessment of vapor intrusion or the Vapor Mitigation System.

System Changes/Removal

In case of the need for system removal or replacement, a written request to and a formal written approval document from the WDNR would be required prior to system removal. If removal or replacement is approved the sub-slab vapor will need to be reassessed and sub-slab vapor testing will be required.

Note: All maintenance and changes to the SHL Vapor Mitigation System will be logged in the Inspection and Maintenance Log, WDNR Form 4400-321. A copy of Form 4400-321 is provided in Appendix A.

Revised 05/01/2022

Fan Specification Sheet



RP Series



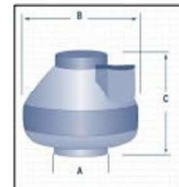
Radon Mitigation Fan

All RadonAway™ fans are specifically designed for radon mitigation. RP Series Fans provide superb performance, run ultra-quiet and are attractive. They are ideal for most sub-slab radon mitigation systems.

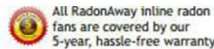
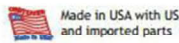
Features

- Energy efficient
- Ultra-quiet operation
- Meets all electrical code requirements
- Water-hardened motorized impeller
- Seams sealed to inhibit radon leakage (RP140 & RP145 double snap sealed)
- RP140 and RP260 Energy Star® Rated
- ETL Listed - for indoor or outdoor use
- Thermally protected motor
- Rated for commercial and residential use

MODEL	P/N	FAN DUCT DIAMETER	WATTS	MAX. PRESSURE™WC	TYPICAL CFM vs. STATIC PRESSURE WC				
					0"	.5"	1.0"	1.5"	2.0"
RP140*	23029-1	4"	15-21	0.8	135	70	-	-	-
RP145	23030-1	4"	41-72	2.1	166	126	82	41	3
RP260*	23032-1	6"	50-75	1.6	272	176	89	13	-
RP265	23033-1	6"	91-129	2.3	334	247	176	116	52
RP380*	28208	8"	95-152	2.3	497	353	220	130	38



Model	A	B	C
RP140	4.5"	9.7"	8.5"
RP145	4.5"	9.7"	8.5"
RP260	6"	11.75"	8.6"
RP265	6"	11.75"	8.6"
RP380	8"	13.41"	10.53"



For Further Information Contact

9/12
P/N 02008

Revised 05/01/2022

4. System & Plant Floor Inspection

The Vapor Mitigation System installed at 5005 South Packard Avenue is a very simple system. The only mechanical part of the system is the fan that draws air from the sub slab entry points shown in the VMS Design Diagram (page 3), System Location Diagram (page 4) and Photos 1, 2, & 3 (pages 5 – 7). Verification of an active and working system is also very easy and straightforward. In addition to making sure the VMS is operating properly, the plant floor will also be inspected to make sure that existing cracks and any new cracks are sealed properly. Cracks in the floor could reduce the effectiveness of the VMS.

System Operation Verification

Step 1 – Inspect the plant floor in the “area of influence” (35’ to 40’ from each of the draw points for unsealed cracks. If cracks are found, seal them with a high grade silicon sealer.

Step 2 - Inspect the Manometer to verify the system is maintaining negative sub slab pressure to .6 WC as shown on page 2. **If negative pressure is maintained, the system is operating properly.**

Step 3 (if required) - If the Manometer does not show negative sub slab pressure of 0.6 WC check to make sure the tube running into the draw stack is not plugged. If plugged, clean out the tube and reinstall it into the draw stack. If negative pressure is maintained, the system is operating properly. If there is not negative pressure move on to step number 4.

Step 4 (if required) - Check to make sure there is power to the fan by checking the circuit breaker. The fan is hard-wired directly to the fan and is on its own circuit. If the breaker is tripped, reset the breaker and make sure the system is operating properly by checking the Manometer for negative sub slab pressure. If the breaker immediately trips again, check the electrical circuit for a faulty breaker or possible short in the system. Once the electrical problem has been isolated and repaired, check the operation of the system by checking the Manometer for negative sub slab pressure.

Step 5 (if required) - If the breaker is not tripped check the operation of the fan located on the exterior of the building (see photo 5 on page 9). If the fan is not operating properly check to make sure the cutoff switch on the waterproof box is in the “ON” position. If there is power to the fan then the issue is with the fan. Replace the fan with one of similar specification shown on page 12.

Step 6 (if required) - If the fan is operating properly then inspect the vent stack to make sure nothing has blocked or prevented the sub slab air from being evacuated.

Revised 05/01/2022

Inspection Frequency

The operation of the Vapor Mitigation System will be checked quarterly at the beginning of the month (March 1st, June 1st, September 1st, and December 1st) by the maintenance staff employed by Superior Health Linens (SHL).

An annual visual inspection of the system will also be performed. All areas of the system including the concrete floor, sub-slab entry points, riser pipe joints and piping will be inspected for cracking, defect or general deterioration.

Should any obvious damage to the system be observed during inspection and/or if the system is no longer functioning, repair of the damaged components must be completed immediately.

An inspection log listing key inspection items such as inspector, date, items inspected, state of the system, parts replaced, repairs needed and when follow up was completed must be filled out during each inspection and maintained on-site and available for viewing by all interested parties. If any problem(s) with the system is identified in 2 or more successive inspections SHL maintenance personnel will notify the current owners of the property (William Nicklas & James Baumgartner) at that time. The owners will in turn notify the Remediation & Redevelopment Program Case Manager at the Wisconsin Department of Natural Resources (WDNR). The form used will be the WDNR Inspection and Maintenance Log – Form 4400-321.

5. Notifications

Where changes in land or property use or system changes are required to be reported, include contact names, phone numbers and email addresses for the DNR/agency with administrative authority:

Paul Grittner
Remediation & Redevelopment Program Case Manager
Wisconsin Department of Natural Resources
2300 N. Drive Martin Luther King Drive
Milwaukee, WI 53212-3128
Phone: (414) 405-0764

6. Contacts

Site Owner: Cudahy Holdings, LLC
138 Buntrock Avenue
Thiensville, WI 53092
Attn: Mr. Joe Deborin
(414) 240-1500


Signed

Building Lessee: Superior Health Linens, Inc.
Nick Swartz
General Manager
5005 South Packard Ave.
Cudahy, WI 53110

Consultant: St. John - Mittelhauser & Associates
Ronald B. St. John, PHG, CPG
Principal Hydrogeologist
Steven R. Swenson, P.G., CHMM
Senior Geologist
1401 Branding Ave, Suite 315
Downers Grove, IL 60515

Regulatory Authority: Paul Grittner
Hydrogeologist - Remediation and Redevelopment Bureau
Wisconsin Department of Natural Resources
2300 N. Drive Martin Luther King Drive
Milwaukee, WI 53212-3128
Phone: (414) 405-0764

Revised 05/01/2022

ATTACHMENT A

WI DNR VAPOR MITIGATION SYSTEM INSPECTION LOG

Form 4400-321 (R 03/22)

Note: To fill and save this form electronically, it must be opened using Adobe Reader or Acrobat software.
Save a copy of the file, open Adobe Reader, select File > Open and browse for the file you saved.

Notice: In accordance with s. NR 727.05(1)(b)3., Wis. Admin. Code, use of this form for documenting the inspections and maintenance of certain vapor-related continuing obligations is required. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Public Records law [ss. 19.31-19.39, Wis. Stats.].

Directions: This form was developed to provide the results of a site inspection of a vapor related continuing obligation, typically a vapor mitigation system. See the approval letter for this site for requirements regarding the submittal of this form to the Department of Natural Resources. A copy of this inspection log is required to be maintained either on the property, or at a location specified in the approval letter. The letter may be found in the database, [BRRTS on the Web](#), by searching for the site using the BRRTS ID number and then looking in the "Action" section for code 56.

Activity (Site) Name: Sub Slab Depressurization System Inspection / Superior Health Linens BRRTS No.: 02-41-532649

Address Being Inspected (e.g., 123 N. Main St.): 5005 S. Packard Avenue, Cudahy, WI Date of Inspection: _____

Inspection Performed By (Name & Title/Company): _____

When submittal of this form is required, submit an electronic version or a scanned copy of this completed form to the [RR Submittal Portal](#).


HOW TO USE THIS FORM

The Activity (Site) Name, BRRTS No., Address Being Inspected and Date of Inspection entered above will auto-populate the table. Complete only the applicable rows/components. Check "Not Applicable" for components that do not apply. For example, if there is no sump sealed and vented as part of the system, check "Not Applicable" in the "NOTES" section for that component.

Multiple components: For systems with multiple components (e.g., two manometers or two fans), add an additional row for that component by clicking the "+" (plus) symbol at the end of the row. After a system component row is added, a "-" (minus) symbol is shown so the added row may be deleted.

Photos: Click on the placeholder photo shown in each row to replace it with your own site-specific photo. Site-specific photos are optional but strongly recommended. Enter specific details and observations within the "NOTES" section to assist the DNR in understanding status of the system components.

SYSTEM COMPONENT NAME	WHAT DOES IT DO?	WHAT DO I CHECK?	WHAT SHOULD I SEE?	Date of Inspection:
				WHAT TO FIX?
Manometer or Differential Pressure Gauge	Measures differential pressure between vacuum side of vent pipe and indoor space. This measurement confirms there is a vacuum being pulled by the fan.	Liquid Level on Manometer or Gauge	Liquid level in manometer should be offset (not level with each other).	A change in liquid level indicates a change in the vacuum below foundation. This could be caused by failure of fan, blockage of vent pipe, change in water level below building, or other conditions. Hire a professional to identify cause and repair if needed.

<p>PHOTO</p> 	<p>NOTES: (Record the reading on the gauge. Identify specific building and location description:)</p> <p><input type="checkbox"/> Not Applicable</p>
	<p> </p>

BRRTS No. 02-41-532649

Site Name: Sub Slab Depressurization System Inspection / Superior Health Linens


Address Being Inspected: 5005 S. Packard Avenue, Cudahy, WI

Vapor Mitigation System Inspection Log

Form 4400-321 (R 03/22)

Page 2 of 7

SYSTEM COMPONENT				Date of Inspection:
NAME	WHAT DOES IT DO?	WHAT DO I CHECK?	WHAT SHOULD I SEE?	WHAT TO FIX?
Fan	<p>Fan creates a vacuum and lowers pressure below foundation.</p> <p>The fan also removes soil gases from below foundation for discharge to atmosphere.</p>	<p>Fan Operation</p> <p>Fan Location</p> <p>Motor Noise</p>	<p>Fan is on.</p> <p>Fan mounted outside & secure.</p> <p>Fan motor is quiet (loud motor may indicate problem).</p>	<p>Replace the fan immediately once the fan stops running. Fans typically run for 10-20 years, but it may be less.</p> <p>Replacement fan to have similar specifications as original with respect to flow and vacuum.</p> <p>After a fan is replaced, the system should be evaluated by a mitigation professional to verify effectiveness, which includes pressure readings.</p> <p>Original Fan Make and Model:</p>

<p>PHOTO</p> 	<p>NOTES: (Identify specific building and location description:)</p> <p><input type="checkbox"/> Not Applicable</p>
---	--

BRRTS No. 02-41-532649


Site Name: Sub Slab Depressurization System Inspection / Superior Health Linens

Address Being Inspected: 5005 S. Packard Avenue, Cudahy, WI

Vapor Mitigation System Inspection Log

Form 4400-321 (R 03/22)

Page 3 of 7

SYSTEM COMPONENT		Date of Inspection:		
NAME	WHAT DOES IT DO?	WHAT DO I CHECK?	WHAT SHOULD I SEE?	WHAT TO FIX?
Suction Drop Point w/ Vent Pipe	<p>Suction Point : Soil gases are collected in a void space below the foundation, and tight seal prevents soil gas from getting inside the home.</p> <p>Vent Pipe: Pipe conveys the vacuum from the fan, and collects soil gases for discharge to the atmosphere.</p>	Suction Point Seal	Seal is air tight around pipe penetration.	<p>Suction point seal or vent pipe may need to be sealed or replaced if cracks or leaks appear.</p> <p>If any piping or sealing of the system is altered or replaced, the system should be evaluated by a mitigation professional to verify effectiveness, which includes pressure readings.</p>
		Vent Pipe Condition	Vent pipe is connected to fan, has not cracked.	
PHOTO			NOTES: (Identify specific building and location description:)	
			<input type="checkbox"/> Not Applicable	
			Empty space for notes	

BRRTS No. 02-41-532649

Site Name: Sub Slab Depressurization System Inspection / Superior Health Linens

Address Being Inspected: 5005 S. Packard Avenue, Cudahy, WI

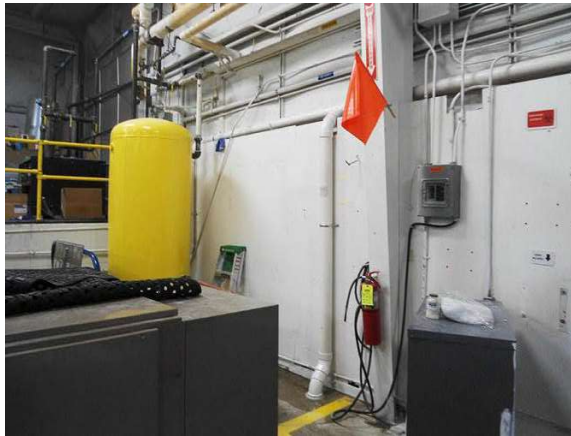
Vapor Mitigation System Inspection Log

Form 4400-321 (R 03/22)

Page 4 of 7

SYSTEM COMPONENT				Date of Inspection:
NAME	WHAT DOES IT DO?	WHAT DO I CHECK?	WHAT SHOULD I SEE?	WHAT TO FIX?
Sealed Sump w/Vent Pipe	Sump Cover: Soil gases are collected in sump and the cover prevents soil gas from getting inside home.	Suction Point Seal	Seal is airtight to floor.	Sump cover or vent pipe may need to be sealed or replaced if cracks or leaks appear. If any piping or sealing of the system is altered or replaced, the system should be evaluated by a plumber or a mitigation professional to verify effectiveness, which includes pressure readings.
	Vent Pipe: Pipe transports the soil gas from the sump for discharge to the atmosphere.	Vent Pipe Seal Condition	Vent pipe is connected to the sump cover and is not cracked.	

PHOTO



NOTES: (Identify specific building and location description:)

Not Applicable

BRRTS No. 02-41-532649

Site Name: Sub Slab Depressurization System Inspection / Superior Health Linens

Address Being Inspected: 5005 S. Packard Avenue, Cudahy, WI

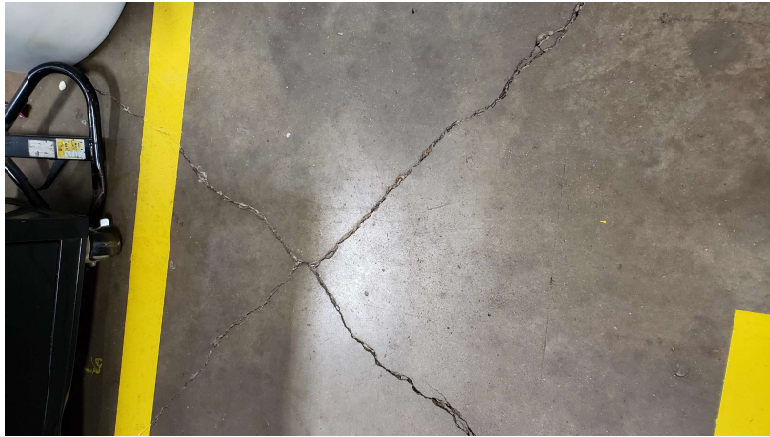
Vapor Mitigation System Inspection Log

Form 4400-321 (R 03/22)

Page 6 of 7

SYSTEM COMPONENT				Date of Inspection:
NAME	WHAT DOES IT DO?	WHAT DO I CHECK?	WHAT SHOULD I SEE?	WHAT TO FIX?
Foundation Floor	Foundation is a barrier that minimizes soil gas entry into building, and helps fan to work efficiently.	Foundation Condition Foundation Footprint	No penetrating cracks or holes in foundation. Check if there have been alterations or additions to building or footprint.	Seal cracks or other penetrations as you would to prevent water from entering. If building floor plan has changed, notify DNR and contact a mitigation professional to evaluate if modifications to the vapor mitigation system are necessary.

PHOTO



NOTES: (Identify specific building and location description:)

Not Applicable

BRRTS No. 02-41-532649


Site Name: Sub Slab Depressurization System Inspection / Superior Health Linens

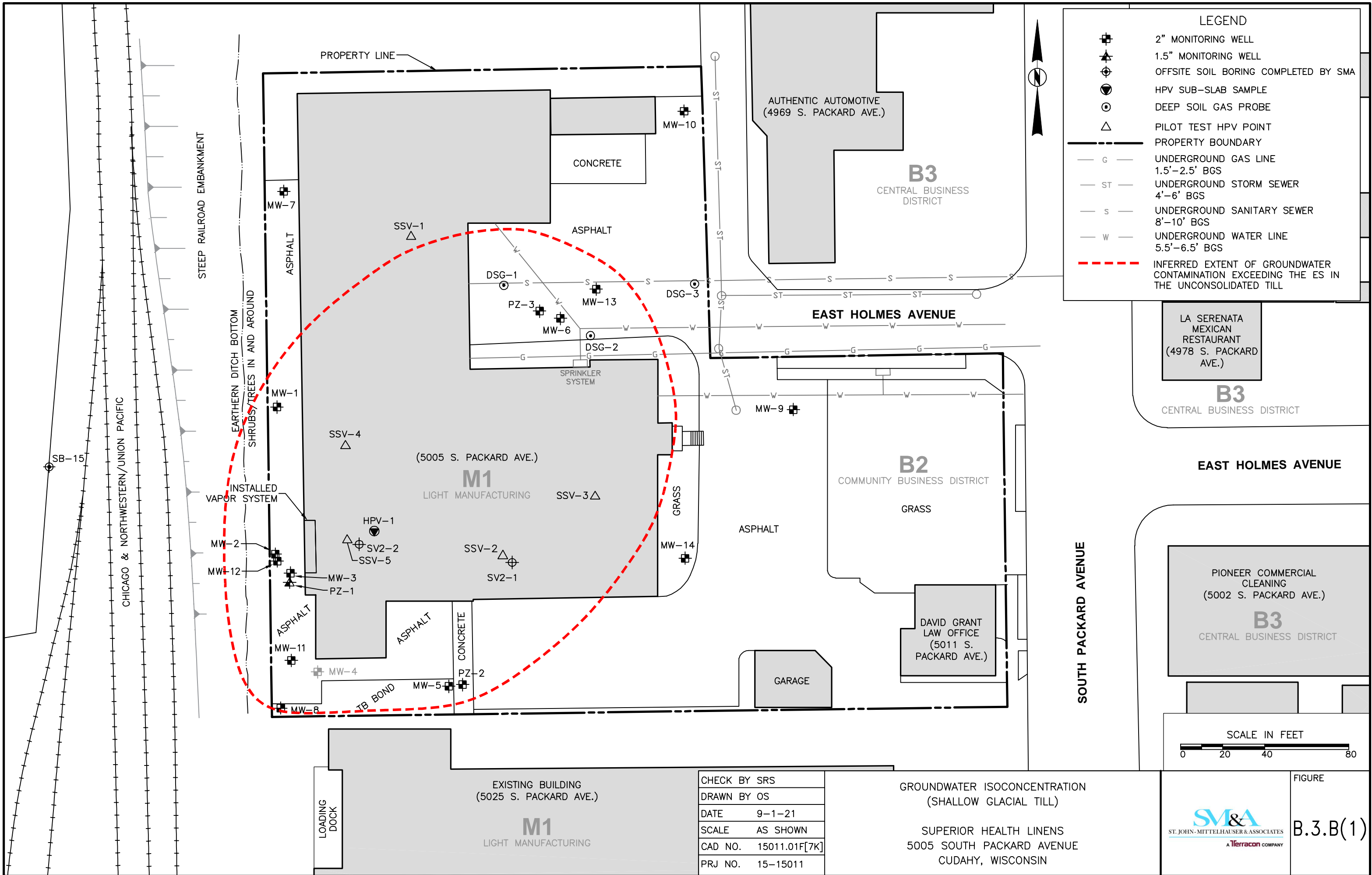
Address Being Inspected: 5005 S. Packard Avenue, Cudahy, WI

Vapor Mitigation System Inspection Log

Form 4400-321 (R 03/22)

Page 7 of 7

SYSTEM COMPONENT				Date of Inspection:
NAME	WHAT DOES IT DO?	WHAT DO I CHECK?	WHAT SHOULD I SEE?	WHAT TO FIX?
Sub Slab Vapor Port	This is a sample port to measure vacuum or take sample of soil gas if needed. It needs to remain sealed when not in use to prevent soil gas entry into the home.	Port Seal/Cap	If able to measure the vacuum with a micromanometer, the pressure differential should be at least 0.004 inches of H ₂ O or at least one Pascal. Port is sealed and capped when not in use.	Repair or replace the seal and cover as needed. Permanently seal hole if sample port is ever removed.
		Port Condition		
PHOTO			<p>NOTES: (If taken, record the pressure differential reading. Identify specific building and location description:)</p> <p><input checked="" type="checkbox"/> Not Applicable</p>	
				



LEGEND

- 2" MONITORING WELL
- 1.5" MONITORING WELL
- OFFSITE SOIL BORING COMPLETED BY SMA
- HPV SUB-SLAB SAMPLE
- DEEP SOIL GAS PROBE
- PILOT TEST HPV POINT
- PROPERTY BOUNDARY
- UNDERGROUND GAS LINE
1.5'-2.5' BGS
- UNDERGROUND STORM SEWER
4'-6' BGS
- UNDERGROUND SANITARY SEWER
8'-10' BGS
- UNDERGROUND WATER LINE
5.5'-6.5' BGS
- INFERRED EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING THE ES IN THE UNCONSOLIDATED TILL

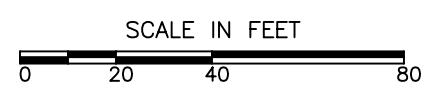
LA SERENATA MEXICAN RESTAURANT (4978 S. PACKARD AVE.)

B3
CENTRAL BUSINESS DISTRICT

EAST HOLMES AVENUE

PIONEER COMMERCIAL CLEANING (5002 S. PACKARD AVE.)

B3
CENTRAL BUSINESS DISTRICT



CHECK BY	SRS
DRAWN BY	OS
DATE	9-1-21
SCALE	AS SHOWN
CAD NO.	15011.01F[7K]
PRJ NO.	15-15011

GROUNDWATER ISOCONCENTRATION (SHALLOW GLACIAL TILL)

SUPERIOR HEALTH LINENS
5005 SOUTH PACKARD AVENUE
CUDAHY, WISCONSIN



FIGURE
B.3.B(1)

PROPERTY LINE

AUTHENTIC AUTOMOTIVE (4969 S. PACKARD AVE.)

B3
CENTRAL BUSINESS DISTRICT

EAST HOLMES AVENUE

B2
COMMUNITY BUSINESS DISTRICT

SOUTH PACKARD AVENUE

(5005 S. PACKARD AVE.)

M1
LIGHT MANUFACTURING

DAVID GRANT LAW OFFICE (5011 S. PACKARD AVE.)

GARAGE

EXISTING BUILDING (5025 S. PACKARD AVE.)

M1
LIGHT MANUFACTURING

LOADING DOCK

STEEP RAILROAD EMBANKMENT

EARTHEN DITCH BOTTOM SHRUBS/TREES IN AND AROUND

INSTALLED VAPOR SYSTEM

CHICAGO & NORTHWESTERN/UNION PACIFIC

CONCRETE

ASPHALT

MW-10

MW-7

SSV-1

DSG-1

PZ-3

MW-6

MW-13

DSG-3

DSG-2

SPRINKLER SYSTEM

MW-1

SSV-4

SSV-3

HPV-1

SV2-2

SSV-5

SSV-2

SV2-1

MW-14

MW-12

MW-3

PZ-1

ASPHALT

ASPHALT

CONCRETE

MW-11

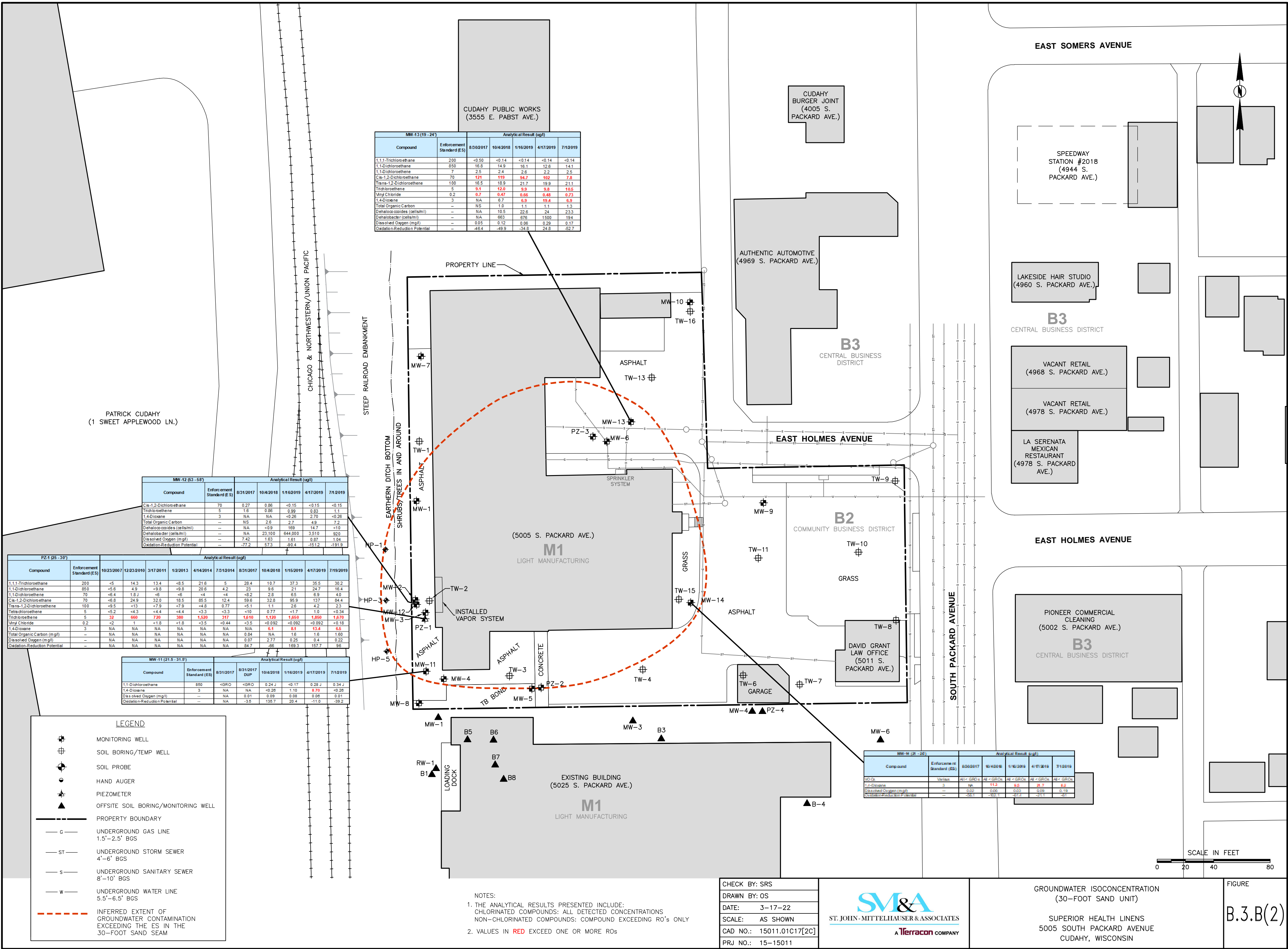
MW-4

PZ-2

MW-5

MW-8

TB BOND



MW-13 (19 - 24)

Compound	Enforcement Standard (ES)	8/30/2017	10/4/2018	1/16/2019	4/17/2019	7/12/2019
1,1,1-Trichloroethane	200	<0.50	<0.14	<0.14	<0.14	<0.14
1,1-Dichloroethane	850	16.8	14.9	16.1	12.8	14.1
1,1-Dichloroethene	7	2.5	2.4	2.6	2.2	2.5
Cis-1,2-Dichloroethane	70	121	119	94.7	102	7.8
Trans-1,2-Dichloroethane	100	16.5	18.9	21.7	19.9	21.1
Trichloroethene	5	9.1	12.9	9.9	9.8	10.5
Vinyl Chloride	0.2	0.7	0.47	0.66	0.48	0.23
1,4-Dioxane	3	NA	6.7	6.9	19.4	6.9
Total Organic Carbon	-	NS	1.0	1.1	1.1	1.3
Dehalooxides (cells/ml)	-	NA	10.5	22.6	24	23.3
Dehalobacter (cells/ml)	-	NA	863	679	1500	194
Dissolved Oxygen (mg/l)	-	0.05	0.12	0.06	0.29	0.17
Oxidation-Reduction Potential	-	-46.4	-49.9	-34.8	24.8	-52.7

MW-12 (53 - 58)

Compound	Enforcement Standard (ES)	8/31/2017	10/4/2018	1/16/2019	4/17/2019	7/12/2019
Cis-1,2-Dichloroethane	70	0.27	0.86	<0.15	<0.15	<0.15
Trichloroethene	5	1.6	0.86	0.99	0.83	1.1
1,4-Dioxane	3	NA	NA	<0.26	2.70	<0.26
Total Organic Carbon	-	NS	2.8	2.7	4.9	7.2
Dehalooxides (cells/ml)	-	NA	<0.9	169	14.7	<10
Dehalobacter (cells/ml)	-	NA	23,100	644,000	3,510	920
Dissolved Oxygen (mg/l)	-	7.42	1.63	1.61	0.87	1.04
Oxidation-Reduction Potential	-	-77.2	57.3	-90.4	-151.2	-181.9

PZ-1 (25 - 30)

Compound	Enforcement Standard (ES)	10/23/2007	12/23/2010	3/17/2011	1/2/2013	4/14/2014	7/31/2014	8/31/2017	10/4/2018	1/16/2019	4/17/2019	7/19/2019
1,1,1-Trichloroethane	200	<5	14.3	13.4	<5	21.8	5	28.4	10.7	37.3	35.5	30.2
1,1-Dichloroethane	850	<5.6	4.9	<9.8	<9.8	20.6	4.2	23	9.6	21	24.7	16.4
1,1-Dichloroethene	70	<6.4	1.8 J	<6	<6	<4	<4	<8.2	2.8	6.5	6.9	4.0
Cis-1,2-Dichloroethane	70	<6.8	24.9	32.0	18.5	85.5	12.4	59.6	32.6	95.9	137	84.4
Trans-1,2-Dichloroethane	100	<9.5	<13	<7.9	<7.9	<4.8	0.77	<5.1	1.1	2.6	4.2	2.3
Trichloroethene	5	<5.2	<4.3	<4.4	<4.4	<3.3	<3.3	<10	0.77	<1.7	1.0	<0.34
Trichloroethene	5	32	660	720	380	1,520	317	1,610	1,120	1,650	1,850	1,670
Vinyl Chloride	0.2	<2	1	<1.8	<1.8	<3.5	<0.44	<3.5	<0.092	<0.092	<0.092	<0.18
1,4-Dioxane	3	NA	NA	NA	NA	NA	NA	6.1	6.1	15.4	6.5	6.5
Total Organic Carbon (mg/l)	-	NA	NA	NA	NA	NA	NA	0.84	NA	1.6	1.6	1.60
Dissolved Oxygen (mg/l)	-	NA	NA	NA	NA	NA	NA	0.07	2.77	0.25	0.4	0.22
Oxidation-Reduction Potential	-	NA	NA	NA	NA	NA	NA	84.7	-66	169.3	157.7	96

MW-11 (21.5 - 31.9)

Compound	Enforcement Standard (ES)	8/31/2017	8/31/2017 DUP	10/4/2018	1/16/2019	4/17/2019	7/12/2019
1,1-Dichloroethane	850	<GRO	<GRO	0.24 J	<0.17	0.28 J	0.34 J
1,4-Dioxane	3	NA	NA	<0.26	1.10	8.70	<0.26
Dissolved Oxygen (mg/l)	-	NA	0.91	0.99	0.98	0.98	0.91
Oxidation-Reduction Potential	-	NA	-3.5	136.7	30.4	-11.0	-39.2

MW-16 (25 - 28)

Compound	Enforcement Standard (ES)	8/30/2017	10/4/2018	1/16/2019	4/17/2019	7/12/2019
1,4-Dioxane	3	NA	11.3	6.5	21.7	6.2
Dissolved Oxygen (mg/l)	-	0.02	0.06	0.05	0.09	0.19
Oxidation-Reduction Potential	-	<NA	<NA	<NA	<NA	<NA

LEGEND

- ⊕ MONITORING WELL
- ⊕ SOIL BORING/TEMP WELL
- ⊕ SOIL PROBE
- ⊕ HAND AUGER
- ⊕ PIEZOMETER
- ▲ OFFSITE SOIL BORING/MONITORING WELL
- PROPERTY BOUNDARY
- G — UNDERGROUND GAS LINE 1.5'-2.5' BGS
- ST — UNDERGROUND STORM SEWER 4'-6' BGS
- S — UNDERGROUND SANITARY SEWER 8'-10' BGS
- W — UNDERGROUND WATER LINE 5.5'-6.5' BGS
- - - INFERRED EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING THE ES IN THE 30-FOOT SAND SEAM

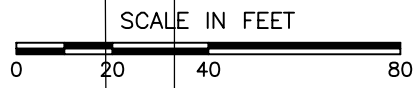
NOTES:
 1. THE ANALYTICAL RESULTS PRESENTED INCLUDE: CHLORINATED COMPOUNDS: ALL DETECTED CONCENTRATIONS NON-CHLORINATED COMPOUNDS: COMPOUND EXCEEDING RO'S ONLY
 2. VALUES IN RED EXCEED ONE OR MORE RO'S

CHECK BY: SRS
 DRAWN BY: OS
 DATE: 3-17-22
 SCALE: AS SHOWN
 CAD NO.: 15011.01C17[2C]
 PRJ NO.: 15-15011



GROUNDWATER ISOCONCENTRATION (30-FOOT SAND UNIT)
 SUPERIOR HEALTH LINENS
 5005 SOUTH PACKARD AVENUE
 CUDAHY, WISCONSIN

FIGURE
B.3.B(2)



HA-17 (11/15/2021)				0 - 1' BGS	3 - 4' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)		
cis-1,2-Dichloroethane	2,340	0.0412	0.0371	<0.0723	
Trichloroethene	8.41	0.0036	2.42	0.162	
Xylenes	260	3.96	0.0534	<0.189	

HA-15 (11/15/2021)				0 - 1' BGS	3 - 4' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)		
cis-1,2-Dichloroethane	2,340	0.0412	0.22	0.337	
1,1,1-Trichloroethane	640	0.1402	0.299	0.0388	
Trichloroethene	8.41	0.0036	1.94	4.53	
Xylenes	260	3.96	0.15	<0.213	

HA-1 (10/29/2021)				0 - 1' BGS	3 - 4' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)		
Toluene	818	1.1072	0.0927	<0.133	
Trichloroethene	8.41	0.0036	0.126	0.378	
Total Xylenes	260	3.96	0.175	0.0264	
cis-1,2-Dichloroethane	2,340	0.0412	<0.128	0.0264	

HA-3 (10/29/2021)				0 - 1' BGS	3 - 4' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)		
Toluene	818	1.1072	0.13	<0.125	
1,1,1-Trichloroethane	640	0.1402	0.116	<0.0891	
Trichloroethene	8.41	0.0036	1.16	0.0333	
1,2,4-Trimethylbenzene	219	1.3787	0.122	<0.145	
Xylenes	260	3.96	0.247	<0.0849	

HA-5 (10/29/2021)				0 - 1' BGS	3 - 4' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)		
Ethylbenzene	35.4	1.57	0.0471	<0.0752	
Tetrachloroethene	145	0.0045	0.0664	<0.0914	
Toluene	818	1.1072	0.134	<0.133	
Trichloroethene	8.41	0.0036	0.245	<0.0598	
1,2,4-Trimethylbenzene	219	1.3787	0.149	<0.162	
Xylenes	260	3.96	0.336	<0.0899	

MW-12 (6/6 - 6/14/2017)				5 - 6' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)	
Cis-1,2-Dichloroethane	2,340	0.0412	0.209	
Tetrachloroethene	145	0.0045	0.137	
1,1,1-Trichloroethane	640	0.1402	0.126	
Trichloroethene	8.41	0.0036	2.05	

HA-21 (8/19/2004)				3.5 - 4' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)	
Tetrachloroethene	145	0.0045	0.176	
1,1,1-Trichloroethane	640	0.1402	0.081	
Trichloroethene	8.41	0.0036	6.94	

HA-7 (10/29/2021)				0 - 1' BGS	3 - 4' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)		
Trichloroethene	8.41	0.0036	0.331	<0.0552	
Xylenes	260	3.96	0.131	<0.0831	

HA-8 (10/29/2021)				1 - 2' BGS	3 - 4' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)		
cis-1,2-Dichloroethane	2,340	0.0412	0.0774	<0.0757	
Tetrachloroethene	145	0.0045	0.0692	<0.0922	
1,1,1-Trichloroethane	640	0.1402	0.177	0.0455	
Trichloroethene	8.41	0.0036	41.5	9.96	
Xylenes	260	3.96	0.0778	<0.0907	

HA-9 (10/29/2021)				0 - 1' BGS	3 - 4' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)		
Carbon Tetrachloride	4.25	0.0039	0.106	<0.0897	
Tetrachloroethene	145	0.0045	0.049	<0.0894	
Toluene	818	1.1072	0.0792	<0.129	
1,1,1-Trichloroethane	640	0.1402	0.766	0.043	
Trichloroethene	8.41	0.0036	0.405	0.398	
1,2,4-Trimethylbenzene	219	1.3787	0.0748	<0.158	
Xylenes	260	3.96	0.167	<0.0877	

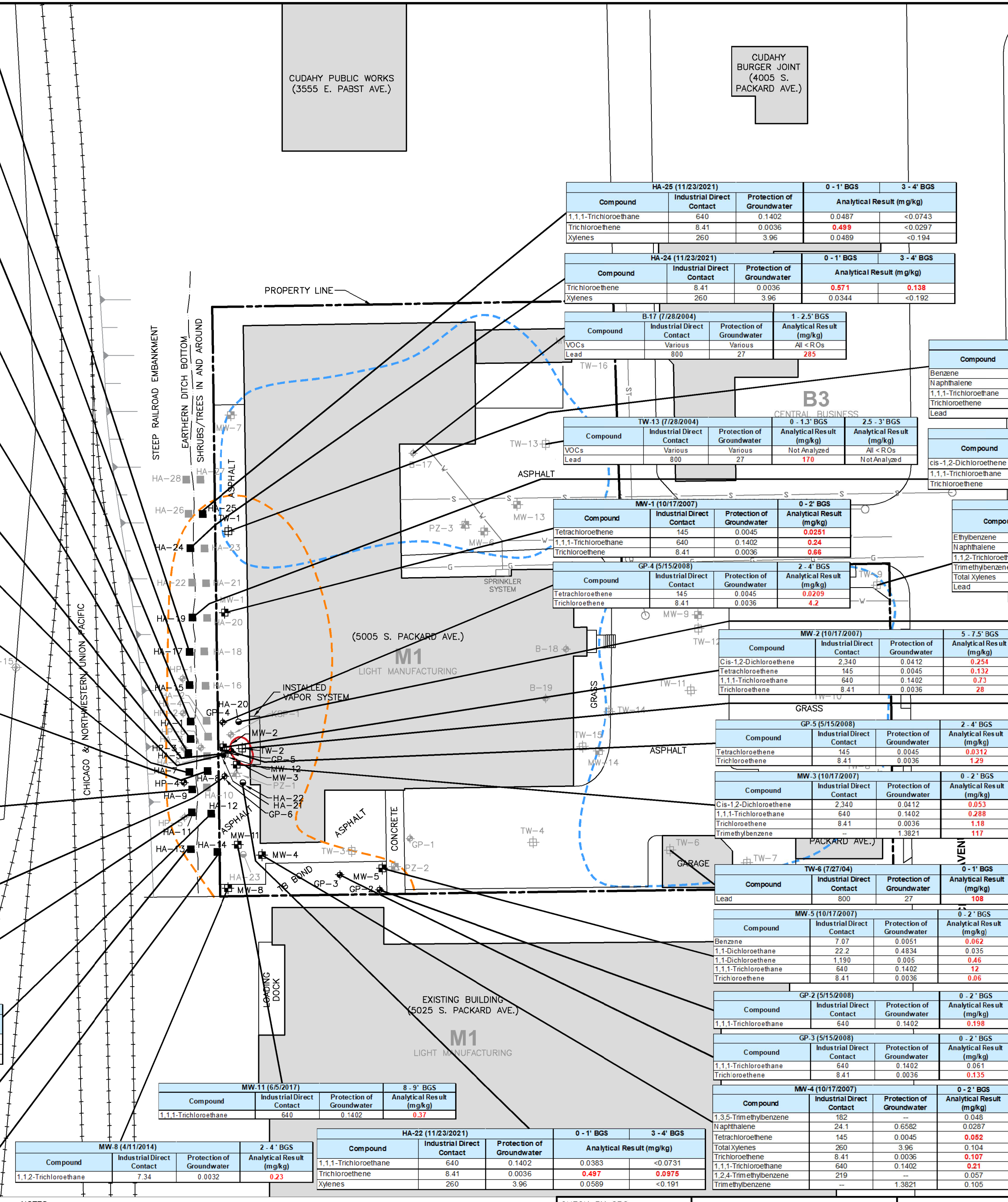
GP-6 (5/15/2008)				2 - 4' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)	
Tetrachloroethene	145	0.0045	0.042	
Trichloroethene	8.41	0.0036	1.08	

HA-11 (11/15/2021)				0 - 1' BGS	3 - 4' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)		
Toluene	818	1.1072	<0.186	0.0643	
Trichloroethene	8.41	0.0036	0.0719	0.0746	
1,2,4-Trimethylbenzene	219	1.3787	0.136	<0.172	
Xylenes	260	3.96	0.0875	<0.188	

HA-12 (11/15/2021)				0 - 1' BGS	3 - 4' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)		
1,1,1-Trichloroethane	640	0.1402	0.242	0.149	
Trichloroethene	8.41	0.0036	1.22	0.243	
Xylenes	260	3.96	0.0377	<0.191	

HA-13 (11/15/2021)				0 - 1' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)	
1,1,1-Trichloroethane	640	0.1402	0.077	
Trichloroethene	8.41	0.0036	0.091	
Xylenes	260	3.96	0.134	

HA-14 (11/15/2021)				0 - 1' BGS	3 - 4' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)		
Tetrachloroethene	145	0.0045	0.0346	<0.0767	
Toluene	818	1.1072	0.0415	<0.145	
1,1,1-Trichloroethane	640	0.1402	0.192	0.128	
1,1,2-Trichloroethane	7.340	3.2	0.0219	<0.0767	
Trichloroethene	8.41	0.0036	0.202	0.0359	
Xylenes	260	3.96	0.0838	<0.200	



HA-25 (11/23/2021)				0 - 1' BGS	3 - 4' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)		
1,1,1-Trichloroethane	640	0.1402	0.0487	<0.0743	
Trichloroethene	8.41	0.0036	0.499	<0.0297	
Xylenes	260	3.96	0.0489	<0.194	

HA-24 (11/23/2021)				0 - 1' BGS	3 - 4' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)		
Trichloroethene	8.41	0.0036	0.571	0.138	
Xylenes	260	3.96	0.0344	<0.192	

B-17 (7/28/2004)				1 - 2.5' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)	
VOCs	800	Various	Various	All < ROs
Lead	800	27	285	

TW-13 (7/28/2004)				0 - 1.3' BGS	2.5 - 3' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)		
VOCs	Various	Various	Not Analyzed	All < ROs	
Lead	800	27	170	Not Analyzed	

TW-16				0 - 2' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)	
VOCs	800	27	285	

TW-13 (7/28/2004)				0 - 1.3' BGS	2.5 - 3' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)		
VOCs	Various	Various	Not Analyzed	All < ROs	
Lead	800	27	170	Not Analyzed	

TW-13 (7/28/2004)				0 - 1.3' BGS	2.5 - 3' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)		
VOCs	Various	Various	Not Analyzed	All < ROs	
Lead	800	27	170	Not Analyzed	

TW-13 (7/28/2004)				0 - 1.3' BGS	2.5 - 3' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)		
VOCs	Various	Various	Not Analyzed	All < ROs	
Lead	800	27	170	Not Analyzed	

TW-9 (7/27/2004)				1 - 2' BGS	5 - 6' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)		
Ethylbenzene	37	1.57	Not Analyzed	3.21	
Naphthalene	24.1	0.6582	Not Analyzed	3.5	
1,1,1-Trichloroethane	7.34	0.0032	Not Analyzed	1.141	
1,1,2-Trichloroethane	7.34	0.0032	Not Analyzed	20.14	
Trimethylbenzene	260	3.96	Not Analyzed	4.42	
Total Xylenes	260	3.96	Not Analyzed	173	Not Analyzed
Lead	800	27	Not Analyzed	173	Not Analyzed

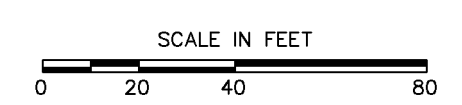
HA-20 (8/19/2004)				3.5 - 4' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)	
Cis-1,2-Dichloroethane	2,340	0.0412	0.249	
Tetrachloroethene	145	0.0045	0.268	
1,1,1-Trichloroethane	640	0.1402	0.338	
Trichloroethene	8.41	0.0036	5.81	

TW-2 (7/27/2004)				1 - 2' BGS
Compound	Industrial Direct Contact	Protection of Groundwater	Analytical Result (mg/kg)	
Carbon Tetrachloride	4.03	0.0039	0.162	
1,1-Dichloroethane	22.2	0.4834	0.182	
Cis-1,2-Dichloroethane	2,340	0.0412	4.88	
Tetrachloroethene	145	0.0045	0.163	
1,1,1-Trichloroethane	640	0.1402	10.8	
Trichloroethene	8.41	0.0036	2.44	
1,2,4-Trimethylbenzene	219	1.3787	505	
Trimethylbenzene	219	1.3787	506.16	
Total Xylenes	260	3.96	164	

LEGEND

- ⊕ MONITORING WELL
- ⊕ SOIL BORING/TEMP WELL BY OTHERS
- ⊕ SOIL PROBE
- ⊕ HAND AUGER
- ▲ OFFSITE SOIL BORING/MONITORING WELL
- G — PROPERTY BOUNDARY
- G — UNDERGROUND GAS LINE 1.5'-2.5' BGS
- ST — UNDERGROUND STORM SEWER 4'-6' BGS
- S — UNDERGROUND SANITARY SEWER 8'-10' BGS
- W — UNDERGROUND WATER LINE 5.5'-6.5' BGS
- POTENTIAL EXTENT OF CONTAMINANTS EXCEEDING PROTECTION OF GROUNDWATER RCLs
- PROTECTION OF GROUNDWATER
- INDUSTRIAL DIRECT CONTACT
- LEAD EXCEEDS PROTECTION OF GROUNDWATER

NOTES:
 1. THE ANALYTICAL DATA IS BASED ON TABLE A.2 "SOIL ANALYTICAL RESULTS" OF KEY ENGINEERING'S CLOSURE REPORT, DATED MAY 2016
 2. THE ANALYTICAL RESULTS PRESENTED INCLUDE:
 CHLORINATED COMPOUNDS: ALL DETECTED CONCENTRATIONS
 NON-CHLORINATED COMPOUNDS: COMPOUND EXCEEDING RO'S ONLY
 3. VALUES IN RED EXCEED ONE OR MORE RO'S



CHECK BY: SRS
 DRAWN BY: OS
 DATE: 5-25-22
 SCALE: AS SHOWN
 CAD NO.: 15011.01C2[4]
 PRJ NO.: 15-15011



RESIDUAL SOIL CONTAMINATION
 SUPERIOR HEALTH LINENS
 5005 SOUTH PACKARD AVENUE
 CUDAHY, WISCONSIN

FIGURE
B.2.B

Data Tables

Tables that follow are for reference only and were not included in the Department's closure documentation sent to affected parties

TABLE A.1
Groundwater Analytical Table
2007 - 2019

Superior Health Linens
5005 S. Packard Ave / Cudahy, WI / BRRS No. 02-41-532649

Compound	ch. NR 140 ¹		TW-1	TW-2	TW-3	TW-4	TW-6	TW-7	TW-8	TW-9	TW-10	TW-11	TW-13	TW-15	TW-16	HP-1
	Enforcement Standard	Preventative Action Level														
	Top of Screen (ft, MSL)															
	Base of Screen (ft, MSL)															
	Sample Date															
1,1,1-Trichloroethane	200	40	<5.0	290	43.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	237	<5.0	4.1
1,1,2-Trichloroethane	5	0.5	<0.145	3.38	<0.145	<0.145	<0.145	<0.145	<0.145	<0.145	<0.145	<0.145	<0.145	<0.145	<0.145	<0.99
1,1-Dichloroethane	850	85	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<1.2
1,1-Dichloroethene	7	0.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<2.1
1,2-Dichloroethane	5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	38.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.84
cis-1,2-Dichloroethene	70	7	<5.0	521	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	10.6
Trans-1,2-Dichloroethene	100	20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<1.3
Tetrachloroethene	5	0.5	<0.5	4.66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5
1,2,4-Trimethylbenzene	--	--	<5.0	10.1	<5.0	<5.0	<5.0	<5.0	<5.0	61.5	<5.0	<5.0	<5.0	<5.0	<5.0	<2.5
Toluene	800	160	<5.0	121	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.5
Trichloroethene	5	0.5	72.2	1,030	13.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.66	<0.5	237
Vinyl Chloride	0.2	0.02	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.88
1,4-Dioxane	3	0.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene	5	0.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<2.5
Naphthalene	100	10	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	17.4	<8.0	<8.0	<8.0	<8.0	<8.0	<12.5
tert-Butylbenzene	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.90

All values in ug/l (ppm)

¹ NR 140.10, June 2021

² Groundwater Grab Sample Collected from SB-11 and SB-12 Were Collected

From the Open Boreholes During Installation of MW-11 and MW-12 Respectively

XXX = Detected Above Reporting Limits of the Laboratory Equipment

XXX = Value exceeds Protection of Groundwater REL

XXX = Value exceeds Enforcement Standards

N/A = Constituent Not Analyzed

-- = No Remediation Objective Established

**TABLE A.1
Groundwater Analytical Table
2007 - 2019**

**Superior Health Linens
5005 S. Packard Ave / Cudahy, WI / BRRTS No. 02-41-532649**

Compound	ch. NR 140 ¹		HP-3	HP-5	SB-11 (MW-11) ²		SB-12 (MW-12) ²	SB-15					
	Enforcement Standard	Preventative Action Level											
	Top of Screen (ft, MSL)				689'	689'	688'	652'	683'	688'	685'	680'	676'
	Base of Screen (ft, MSL)				687'	687'	687'	651'	682'	687'	684'	679'	675'
	Sample Date				1/20/2017	1/20/2017	6/5/2017	6/5/2017	6/6/2017	8/14/2018	8/14/2018	8/14/2018	8/14/2018
1,1,1-Trichloroethane	200	40	40.7	<0.5	<0.50	2.2	157	<0.24	<0.24	<0.24	<0.24		
1,1,2-Trichloroethane	5	0.5	<0.20	<2.0	<0.20	<0.20	<9.9	<0.55	<0.55	<0.55	<0.55		
1,1-Dichloroethane	850	85	10.8	<0.24	<0.24	<0.24	56.7	<0.27	<0.27	<0.27	<0.27		
1,1-Dichloroethene	7	0.7	7.1	<0.41	<0.41	<0.41	<20.5	<0.24	<0.24	<0.24	<0.24		
1,2-Dichloroethane	5	0.5	<1.7	<2.5	<0.17	<0.17	<8.4	N/A	N/A	N/A	N/A		
cis-1,2-Dichloroethene	70	7	28.7	<0.26	<0.26	<0.26	236	<0.27	<0.27	<0.27	<0.27		
Trans-1,2-Dichloroethene	100	20	<0.26	<2.6	<0.26	<0.26	<12.8	<1.1	<1.1	<1.1	<1.1		
Tetrachloroethene	5	0.5	<0.5	<5.0	<0.50	<0.50	<25	<0.33	<0.33	<0.33	<0.33		
1,2,4-Trimethylbenzene	--	--	<5.0	<0.50	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Toluene	800	160	<5.0	<0.50	<0.50	<0.50	<25	N/A	N/A	N/A	N/A		
Trichloroethene	5	0.5	1,790	<0.33	<0.33	<0.33	6,360	<0.26	<0.26	<0.26	<0.26		
Vinyl Chloride	0.2	0.02	<0.18	<1.8	<0.18	<0.18	<8.8	<0.17	<0.17	<0.17	<0.17		
1,4-Dioxane	3	0.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Benzene	5	0.5	<5.0	<0.50	<0.50	<0.50	<25	N/A	N/A	N/A	N/A		
Naphthalene	100	10	<25	<2.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
tert-Butylbenzene	--	--	<1.8	<0.18	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

All values in ug/l (ppm)

¹ NR 140.10, June 2021

² Groundwater Grab Sample Collected from SB-11 and SB-12 Were Collected From the Open Boreholes During Installation of MW-11 and MW-12 Respectively

XXX = Detected Above Reporting Limits of the Laboratory Equipment

XXX = Value exceeds Protection of Groundwater REL

XXX = Value exceeds Enforcement Standards

N/A = Constituent Not Analyzed

-- = No Remediation Objective Established

**TABLE A.1
Groundwater Analytical Table
2007 - 2019**

**Superior Health Linens
5005 S. Packard Ave / Cudahy, WI / BRRS No. 02-41-532649**

Compound	ch. NR 140 ¹		MW-1											
	Enforcement Standard	Preventative Action Level												
	Top of Screen (ft, MSL)		704.8'											
	Base of Screen (ft, MSL)		694.8'											
	Sample Date		10/23/2007	12/23/2010	3/17/2011	1/2/2013	6/14/2013	1/15/2014	4/14/2014	7/31/2014	8/31/2017	1/15/2019	4/17/2019	7/16/2019
1,1,1-Trichloroethane	200	40	<25	11.7 J	8.9 J	9.6 J	5.7 J	6.5 J	5.4 J	8.5 J	11.4	4.6	4.4	5.6
1,1,2-Trichloroethane	5	0.5	<25	<4.7	<4.7	<4.7	<3.4	<3.4	<1.6	<1.6	<0.20	<0.18	<0.18	<0.36
1,1-Dichloroethane	850	85	<28	<6.9	<9.8	<9.8	<3	<3	<1.6	<2.4	<2.4	<0.17	<0.17	<0.34
1,1-Dichloroethene	7	0.7	<32	<7	<6	<6	<4	<4	<4.1	<4.1	<0.50	<0.18	<0.16	<0.32
1,2-Dichloroethane	5	0.5	<22.5	<3.8	<5	<5	<4.1	<4.1	<1.7	<1.7	<1.7	<0.22	<0.22	<0.44
cis-1,2-Dichloroethene	70	7	<34	8.6 J	7.8 J	<7.4	4.0 J	4.9 J	5.3 J	<8.2 J	11.8	12.4	10.3	16.8
Trans-1,2-Dichloroethene	100	20	<47.5	<13	<7.9	<7.9	<3.5	<3.5	<2.4	<2.6	<2.6	<0.24	<0.24	<0.47
Tetrachloroethene	5	0.5	<26	<4.3	<4.4	<4.4	<3.3	<3.3	<5.0	<5.0	<0.50	<0.17	<0.17	<0.34
1,2,4-Trimethylbenzene	--	--	<60	<6.5	<8	<8	<22	<22	<5.0	<5.0	<5.0	0.33 J	<0.24	<0.40
Toluene	800	160	<23	<7.2	<5.3	<5.3	<6.9	<6.9	<5.0	<5.0	<5.0	0.12 J	<0.083	<0.17
Trichloroethene	5	0.5	1140	790	690	760	670	680	552	740	742	354	351	515
Vinyl Chloride	0.2	0.02	<10	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<0.092	<0.092	<0.18
1,4-Dioxane	3	0.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.26	3.9	<0.26
Benzene	5	0.5	<23.5	<0.38	<5	<5	<2.4	<2.4	<5.0	<5.0	<0.50	<0.10	<0.10	<0.20
Naphthalene	100	10	<90	<24	<21	<21	<17	<17	<25	<25	<2.5	1.2 J	<0.48	<0.96
tert-Butylbenzene	--	--	<17	<5.5	<7.1	<7.1	<3.6	<3.6	<1.8	<1.8	<1.8	<0.15	<0.15	<0.30

All values in ug/l (ppm)

¹ NR 140.10, June 2021

² Groundwater Grab Sample Collected from SB-11 and SB-12 Were Collected

From the Open Boreholes During Installation of MW-11 and MW-12 Respectively

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TABLE A.1
Groundwater Analytical Table
2007 - 2019

Superior Health Linens
5005 S. Packard Ave / Cudahy, WI / BRRTS No. 02-41-532649

Compound	ch. NR 140 ¹		MW-2												
	Enforcement Standard	Preventative Action Level													
	Top of Screen (ft, MSL)		705.2'												
	Base of Screen (ft, MSL)		695.2'												
	Sample Date		10/23/2007	12/23/2010	3/17/2011	1/2/2013	6/14/2013	1/15/2014	4/14/2014	7/31/2014	8/31/2017	10/4/2018	1/15/2019	4/17/2019	7/16/2019
1,1,1-Trichloroethane	200	40	1,210	910	680	640	440	450	471	552	623	208	515	420	402
1,1,2-Trichloroethane	5	0.5	<250	<235	<94	<47	<34	<34	<15.5	<31.1	<0.20	0.66	<3.6	1.5	1.3
1,1-Dichloroethane	850	85	<280	<345	<196	<98	36 J	<30	45.3 J	<48.3	89.3 J	14.9	39.4	33	12.7
1,1-Dichloroethene	7	0.7	<320	<350	<120	<60	<40	140	<41	<82	<82.0	7.9	18.3	18.2	28.8
1,2-Dichloroethane	5	0.5	<225	<190	<100	<50	<41	<41	<16.8	<33.5	<33.6	<0.22	5.2 J	<0.22	<0.44
cis-1,2-Dichloroethene	70	7	1,420	1,300	1,110	1,290	670	1,280	1040	1140	843	827	1,420	948	1,450
Trans-1,2-Dichloroethene	100	20	<475	<650	<158	<79	<35	42 J	34.9 J	<51.3	<51.3	12.9	29.6	27.6	21.4
Tetrachloroethene	5	0.5	<260	<215	<88	<44	<33	<33	<50	<100	<0.50	6.9	12.3	14.6	11.9
1,2,4-Trimethylbenzene	--	--	<600	<325	<160	<80	<220	<220	<50	<100	<100	<0.20	<4.0	<0.20	<0.40
Toluene	800	160	<230	<360	<106	<53	<69	<69	<50	<100	<100	<0.083	<1.7	<0.083	<0.17
Trichloroethene	5	0.5	32,000	16,300	14,800	11,200	8,000	12,100	9,880	9,970	13,800	3,390	7,970	6,960	7,680
Vinyl Chloride	0.2	0.02	<100	<95	<36	<110	<18	<18	<17.6	<35.1	<35.1	<0.092	<1.8	<0.092	<0.18
1,4-Dioxane	3	0.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.7 J	4.2	8.3	2.4 J
Benzene	5	0.5	<235	<190	<100	<50	<24	<24	<50	<100	<0.50	0.11 J	<2.0	0.18 J	<0.20
Naphthalene	100	10	<900	<1200	<420	<210	<170	<170	<250	<500	<2.5	<0.48	<9.6	<0.48	<0.96
tert-Butylbenzene	--	--	<170	<275	<142	<71	<36	<36	<18	<36.1	<36.1	<0.15	<1.8	<0.15	<0.30

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TABLE A.1
Groundwater Analytical Table
2007 - 2019

Superior Health Linens
5005 S. Packard Ave / Cudahy, WI / BRRTS No. 02-41-532649

Compound	ch. NR 140 ¹		MW-3												
	Enforcement Standard	Preventative Action Level													
	Top of Screen (ft, MSL)		703.4'												
	Base of Screen (ft, MSL)		693.4'												
	Sample Date		10/23/2007	12/23/2010	3/17/2011	1/2/2013	6/14/2013	1/15/2014	4/14/2014	7/31/2014	8/31/2017	10/4/2018	1/15/2019	4/17/2019	7/16/2019
1,1,1-Trichloroethane	200	40	770	640	470	520	430	320	499	582	692	444	345	298	331
1,1,2-Trichloroethane	5	0.5	<50	<23.5	<23.5	<23.5	<17	<17	<7.8	<19.4	<0.20	1.8	<4.5	1.3	1.4
1,1-Dichloroethane	850	85	74 J	60 J	82 J	78 J	84	<15	79.8	78.0 J	88.0 J	86.3	86.4	102	80.1
1,1-Dichloroethene	7	0.7	97 J	<35	58 J	<30	22 J	84	24.7 J	<51.3	<51.3	24.3	21.4	23.8	22.2
1,2-Dichloroethane	5	0.5	<45	<19	<25	<25	<20.5	<20.5	<8.4	<21.0	<21	<0.22	6.8 J	<0.22	<0.44
cis-1,2-Dichloroethene	70	7	900	1,110	1,280	950	800	830	707	729	850	666	638	542	734
Trans-1,2-Dichloroethene	100	20	<95	<65	50 J	<39.5	20 J	21 J	22.0 J	40.9 J	<32.1	28.2	23.3	24.6	21.4
Tetrachloroethene	5	0.5	<52	<21.5	<22	<22	<16.5	<16.5	<25.0	<62.5	<0.50	19.9	12.8 J	13.7	17.8
1,2,4-Trimethylbenzene	--	--	<120	<32.5	<40	<40	<110	<110	<25.0	<62.5	<276	<0.20	<5.0	<0.20	<0.39
Toluene	800	160	<46	<36	<26.5	<26.5	<34.5	<34.5	<25.0	<62.5	<62.5	<0.083	<2.1	<0.083	<0.17
Trichloroethene	5	0.5	6,700	6,000	5,500	6,000	5,000	5,200	6,940	7,610	9,160	5,010	4,520	4,050	4,050
Vinyl Chloride	0.2	0.02	<20	<9.5	<9	<9	<9	18.5 J	<8.8	<21.9	<21.9	<0.092	<2.3	<0.092	<0.18
1,4-Dioxane	3	0.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22.1	36.2	35.4	20.7
Benzene	5	0.5	<47	<19	<25	<25	<12	<12	<25.0	<62.5	<0.50	0.19 J	<2.6	0.14 J	<0.20
Naphthalene	100	10	<180	<120	<105	<105	<85	<85	<125	<312	<2.5	<0.48	<12	<0.48	<0.96
tert-Butylbenzene	--	--	<34	<27.5	<35.5	<35.5	<18	<18	<9.0	<22.5	<22.5	<0.15	<3.7	<0.15	<0.30

All values in ug/l (ppm)

¹ NR 140.10, June 2021

² Groundwater Grab Sample Collected from SB-11 and SB-12 Were Collected

From the Open Boreholes During Installation of MW-11 and MW-12 Respectively

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**TABLE A.1
Groundwater Analytical Table
2007 - 2019**

**Superior Health Linens
5005 S. Packard Ave / Cudahy, WI / BRRS No. 02-41-532649**

Compound	ch. NR 140 ¹		PZ-1												
	Enforcement Standard	Preventative Action Level													
	Top of Screen (ft, MSL)		685.6'												
	Base of Screen (ft, MSL)		680.6'												
	Sample Date		10/23/2007	12/23/2010	3/17/2011	1/2/2013	6/14/2013	1/15/2014	4/14/2014	7/31/2014	8/31/2017	10/4/2018	1/15/2019	4/17/2019	7/16/2019
1,1,1-Trichloroethane	200	40	<5.0	14.3	13.4 J	<8.5	9.0 J	3.9 J	21.6	5	28.4	10.7	37.3	35.5	30.2
1,1,2-Trichloroethane	5	0.5	<5.0	<4.7	<4.7	<4.7	<3.4	<3.4	<3.1	<0.39	<0.20	<0.18	<1.8	<0.18	<0.36
1,1-Dichloroethane	850	85	<5.6	4.9	<9.8	<9.8	10.3	<3	20.6	4.2	23.0	9.6	21	24.7	16.4
1,1-Dichloroethene	7	0.7	<6.4	1.8 J	<6	<6	<4	<4	<8.2	<1.0	<8.2	2.8	6.5	6.9	4
1,2-Dichloroethane	5	0.5	<4.5	<3.8	<5	<5	<4.1	<4.1	<3.4	<0.42	<3.4	0.24 J	2.4 J	<0.22	<0.44
cis-1,2-Dichloroethene	70	7	<6.8	24.9	32	18.5 J	30.3	32	85.5	12.4	59.6	32.8	95.9	137	84.4
Trans-1,2-Dichloroethene	100	20	<9.5	<13	<7.9	<7.9	<3.5	<3.5	<4.8	0.77 J	<5.1	1.1	2.6	4.2	2.3
Tetrachloroethene	5	0.5	<5.2	<4.3	<4.4	<4.4	<3.3	<3.3	<10.0	<1.2	<0.50	0.77	<1.7	1.0	<0.34
1,2,4-Trimethylbenzene	--	--	<12	<6.5	<8	<8	<22	<22	<10.0	<1.2	<10	<2.0	<2.0	<2.0	<0.40
Toluene	800	160	<4.6	<7.2	<5.3	<5.3	<6.9	<6.9	<10.0	<1.2	<10	<0.83	<0.83	<0.83	<0.17
Trichloroethene	5	0.5	32	660	720	380	620	390	1,520	317	1,610	1,120	1,650	1,850	1,670
Vinyl Chloride	0.2	0.02	<2.0	0.55 J	<1.8	<1.8	<1.8	<1.8	<3.5	<0.44	<3.5	<0.092	<0.92	<0.092	<0.18
1,4-Dioxane	3	0.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.1	8.1	13.4	6.5
Benzene	5	0.5	<4.7	<0.38	<5	<5	<2.4	<2.4	<10.0	<1.2	<0.50	<0.10	<1.0	<0.10	<0.20
Naphthalene	100	10	<18	<24	<21	<21	<17	<17	<50.0	<6.2	<2.5	<0.48	<4.8	<0.48	<0.96
tert-Butylbenzene	--	--	<3.4	<5.5	<7.1	<7.1	<3.6	<3.6	<3.6	<0.45	<3.6	<0.15	<1.5	<0.15	<0.30

All values in ug/l (ppm)

¹ NR 140.10, June 2021

² Groundwater Grab Sample Collected from SB-11 and SB-12 Were Collected

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TABLE A.1
Groundwater Analytical Table
2007 - 2019

Superior Health Linens
5005 S. Packard Ave / Cudahy, WI / BRRTS No. 02-41-532649

Compound	ch. NR 140 ¹		PZ-2							
	Enforcement Standard	Preventative Action Level								
	Top of Screen (ft, MSL)		685.4'							
	Base of Screen (ft, MSL)		681.4'							
	Sample Date		12/23/2010	3/17/2011	1/2/2013	6/14/2013	1/15/2014	4/14/2014	7/31/2014	8/31/17
1,1,1-Trichloroethane	200	40	<0.53	<0.85	6.1	<0.33	<0.33	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<4.7	<0.47	<0.47	<0.34	<0.34	<0.16	<0.16	<0.20
1,1-Dichloroethane	850	85	<6.9	1.59 J	1.36 J	0.60 J	<0.3	1.2	1.1	0.69 J
1,1-Dichloroethene	7	0.7	<7	<0.6	<0.6	<0.4	<0.4	<0.41	<0.41	<0.41
1,2-Dichloroethane	5	0.5	<3.8	<0.5	<0.5	<0.41	<0.41	<0.17	<0.17	<0.17
cis-1,2-Dichloroethene	70	7	<0.78	<0.74	<0.74	<0.38	<0.38	<0.26	<0.26	<0.26
Trans-1,2-Dichloroethene	100	20	<13	<0.79	<0.79	<0.35	<0.35	<0.24	<0.26	<0.26
Tetrachloroethene	5	0.5	<4.3	<0.44	<0.44	<0.33	<0.33	<0.50	<0.50	<0.50
1,2,4-Trimethylbenzene	--	--	<6.5	<0.8	<0.8	<2.2	<2.2	<0.50	<0.50	<2.2
Toluene	800	160	<7.2	<0.53	<0.53	<0.69	<0.69	<0.50	<0.50	<0.50
Trichloroethene	5	0.5	1.9	0.69 J	<0.47	<0.33	<0.33	<0.33	<0.33	<0.33
Vinyl Chloride	0.2	0.02	<1.9	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,4-Dioxane	3	0.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene	5	0.5	<0.38	<0.5	<0.5	<0.24	<0.24	<0.50	<0.50	<0.50
Naphthalene	100	10	<24	<2.1	<2.1	<1.7	<1.7	<2.5	<2.5	<2.5
tert-Butylbenzene	--	--	<5.5	<0.71	<0.71	<0.36	<0.36	<0.18	<0.18	<0.18

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2007 - 2019**

**Superior Health Linens
5005 S. Packard Ave / Cudahy, WI / BRRTS No. 02-41-532649**

Compound	ch. NR 140 ¹		PZ-3							
	Enforcement Standard	Preventative Action Level								
	Top of Screen (ft, MSL)		678.1'							
	Base of Screen (ft, MSL)		673.1'							
	Sample Date		12/23/2010	3/17/2011	1/2/2013	6/14/2013	1/15/2014	4/14/2014	7/31/2014	8/30/2017
1,1,1-Trichloroethane	200	40	<0.53	<0.85	<0.85	<0.33	<0.33	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<4.7	<0.47	<0.47	<0.34	<0.34	<0.16	<0.16	<0.20
1,1-Dichloroethane	850	85	<6.9	<0.98	<0.98	<0.3	<0.3	<0.16	<0.24	<0.24
1,1-Dichloroethene	7	0.7	<7	<0.6	<0.6	<0.4	<0.4	<0.41	<0.41	<0.41
1,2-Dichloroethane	5	0.5	<3.8	<0.5	<0.5	<0.41	<0.41	<0.17	<0.17	<0.17
cis-1,2-Dichloroethene	70	7	<0.78	<0.74	<0.74	<0.38	<0.38	<0.26	<0.26	<0.26
Trans-1,2-Dichloroethene	100	20	<13	<0.79	<0.79	<0.35	<0.35	<0.24	<0.26	<0.26
Tetrachloroethene	5	0.5	<4.3	<0.44	<0.44	<0.33	<0.33	<0.50	<0.50	<0.50
1,2,4-Trimethylbenzene	--	--	<6.5	<0.8	<0.8	<2.2	<2.2	<0.50	<0.50	<0.50
Toluene	800	160	<7.2	<0.53	<0.53	<0.69	<0.69	<0.50	<0.50	<0.50
Trichloroethene	5	0.5	<0.39	<0.47	<0.47	<0.33	<0.33	<0.33	<0.33	<0.33
Vinyl Chloride	0.2	0.02	<1.9	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,4-Dioxane	3	0.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene	5	0.5	<0.38	<0.5	<0.5	<0.24	<0.24	<1.50	<0.50	<0.50
Naphthalene	100	10	<24	<2.1	<2.1	<1.7	<1.7	<2.5	<2.5	<2.5
tert-Butylbenzene	--	--	<5.5	<0.71	<0.71	<0.36	<0.36	<0.18	<0.18	<0.18

All values in ug/l (ppm)

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2007 - 2019**

**Superior Health Linens
5005 S. Packard Ave / Cudahy, WI / BRRTS No. 02-41-532649**

Compound	ch. NR 140 ¹		MW-4							
	Enforcement Standard	Preventative Action Level								
	Top of Screen (ft, MSL)		706.7'							
	Base of Screen (ft, MSL)		696.7'							
	Sample Date		10/23/2007	12/23/2010	3/17/2011	1/2/2013	6/14/2013	1/15/2014	4/14/2014	7/31/2014
1,1,1-Trichloroethane	200	40	0.57 J	3.3	3.3	10.1	10.3	3.5	6.1	15.1
1,1,2-Trichloroethane	5	0.5	<0.5	<4.7	<0.47	<0.47	<0.34	<0.34	<0.16	<0.16
1,1-Dichloroethane	850	85	<0.56	<6.9	<0.98	<0.98	0.42 J	<0.3	0.38 J	0.79 J
1,1-Dichloroethene	7	0.7	<0.64	<7	<0.6	<0.6	<0.4	0.56 J	<0.41	<0.41
1,2-Dichloroethane	5	0.5	<0.45	<3.8	<0.5	<0.5	<0.41	<0.41	<0.17	<0.17
cis-1,2-Dichloroethene	70	7	<0.68	<0.78	<0.74	<0.74	<0.38	<0.38	<0.26	<0.26
Trans-1,2-Dichloroethene	100	20	<0.95	<13	<0.79	<0.79	<0.35	<0.35	<0.24	<0.26
Tetrachloroethene	5	0.5	<0.52	<4.3	<0.44	<0.44	<0.33	<0.33	<0.50	<0.50
1,2,4-Trimethylbenzene	--	--	<1.2	<6.5	<0.8	<0.8	<2.2	<2.2	<0.50	<0.50
Toluene	800	160	<0.46	<7.2	<0.53	<0.53	<0.69	<0.69	<0.50	<0.50
Trichloroethene	5	0.5	<0.44	<0.39	<0.47	<0.47	<0.33	<0.33	<0.33	<0.33
Vinyl Chloride	0.2	0.02	<0.2	<1.9	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,4-Dioxane	3	0.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene	5	0.5	<0.47	<0.38	<0.5	<0.5	<0.24	<0.24	<50.0	<0.50
Naphthalene	100	10	<1.8	<24	<2.1	<2.1	<1.7	<1.7	<2.5	<2.5
tert-Butylbenzene	--	--	<0.34	<5.5	<0.71	<0.71	<0.36	<0.36	<0.18	<0.18

All values in ug/l (ppm)

¹ NR 140.10, June 2021

² Groundwater Grab Sample Collected from SB-11 and SB-12 Were Collected From the Open Boreholes During Installation of MW-11 and MW-12 Respectively

XXX = Detected Above Reporting Limits of the Laboratory Equipment

XXX = Value exceeds Protection of Groundwater REL

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N/A = Constituent Not Analyzed

-- = No Remediation Objective Established

**TABLE A.1
Groundwater Analytical Table
2007 - 2019**

**Superior Health Linens
5005 S. Packard Ave / Cudahy, WI / BRRTS No. 02-41-532649**

Compound	ch. NR 140 ¹		MW-5											
	Enforcement Standard	Preventative Action Level												
	Top of Screen (ft, MSL)		705.9'											
	Base of Screen (ft, MSL)		695.9'											
	Sample Date		10/23/2007	12/23/2010	3/17/2011	1/2/2013	6/14/2013	1/15/2014	4/14/2014	7/31/2014	8/31/2017	1/16/2019	4/17/2019	7/16/2019
1,1,1-Trichloroethane	200	40	209	237	246	304	340	95	312	337	117	202	161	236
1,1,2-Trichloroethane	5	0.5	<2.5	<2.35	<2.35	<4.7	<3.4	<3.4	1.2 J	<0.78	<0.20	0.53 J	0.39 J	0.86
1,1-Dichloroethane	850	85	<2.8	<3.45	<4.9	<9.8	<3	<3	<0.41	2.7 J	9.9	0.44 J	<0.17	0.63
1,1-Dichloroethene	7	0.7	12.4	5.4 J	16.4	10.4 J	6.2 J	22.3	7.4	7.9	3.8	6.5	5.1	8.2
1,2-Dichloroethane	5	0.5	<2.25	<1.9	<2.5	<5	<4.1	<4.1	<0.42	<0.84	<0.17	<0.22	<0.22	<0.22
cis-1,2-Dichloroethene	70	7	<3.4	<3.9	<3.7	<7.4	<3.8	<3.8	<0.64	<1.3	<0.26	<0.15	<0.15	<0.15
Trans-1,2-Dichloroethene	100	20	<4.75	<6.5	<3.95	<7.9	<3.5	<3.5	<0.59	<1.3	<0.26	<0.24	<0.24	<0.24
Tetrachloroethene	5	0.5	<2.6	<2.15	<2.2	<4.4	<3.3	<3.3	<1.2	<2.5	<0.50	<0.17	<0.17	<0.17
1,2,4-Trimethylbenzene	--	--	<6.0	<3.25	<4	<8	<22	<22	<1.2	2.7J	<0.50	<0.20	<0.20	<0.20
Toluene	800	160	<2.3	<3.6	<2.65	<5.3	<6.9	<6.9	<1.2	<2.5	<0.50	<0.083	<0.083	<0.083
Trichloroethene	5	0.5	31.3	23.1	42	43	67	15.6	46.1	36.1	11.5	48.4	47.6	67.3
Vinyl Chloride	0.2	0.02	<1.0	<0.95	<0.9	<1.8	<1.8	<1.8	<0.44	<0.88	<0.18	<0.092	<0.092	<0.092
1,4-Dioxane	3	0.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.72	10.5	<0.26
Benzene	5	0.5	<2.35	<1.9	<2.5	<5.0	<2.4	<2.4	<1.2	<2.5	<0.50	<0.10	<0.10	<0.10
Naphthalene	100	10	<9.0	<12	<10.5	<21	<17	<17	<6.2	<12.5	<2.5	<0.48	<0.48	<0.48
tert-Butylbenzene	--	--	<1.7	<2.75	<3.55	<7.1	<3.6	<3.6	<0.45	<0.90	<0.18	<0.15	<0.15	<0.15

All values in ug/l (ppm)

¹ NR 140.10, June 2021

² Groundwater Grab Sample Collected from SB-11 and SB-12 Were Collected

From the Open Boreholes During Installation of MW-11 and MW-12 Respectively

XXX = Detected Above Reporting Limits of the Laboratory Equipment

XXX = Value exceeds Protection of Groundwater REL

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N/A = Constituent Not Analyzed

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**TABLE A.1
Groundwater Analytical Table
2007 - 2019**

**Superior Health Linens
5005 S. Packard Ave / Cudahy, WI / BRRS No. 02-41-532649**

Compound	ch. NR 140 ¹		MW-6										
	Enforcement Standard	Preventative Action Level											
	Top of Screen (ft, MSL)		702.4'										
	Base of Screen (ft, MSL)		687.4'										
	Sample Date		12/23/2010	3/17/2011	1/2/2013	6/14/2013	1/15/2014	4/14/2014	7/31/2014	8/30/2017	1/16/2019	4/17/2019	7/16/2019
1,1,1-Trichloroethane	200	40	109	131	236	340	231	366	407	374	304	234	149
1,1,2-Trichloroethane	5	0.5	<2.35	<0.47	<0.47	0.56 J	<3.4	<0.78	<0.31	<0.39	0.79	0.59 J	<0.36
1,1-Dichloroethane	850	85	4.8 J	18.5	31.3	20.8	<3	16.6	17.7	21.2	27.2	17.6	13.4
1,1-Dichloroethene	7	0.7	9.6 J	27.9	47	49	95	45.3	48.4	49.1	55.8	35.3	19.4
1,2-Dichloroethane	5	0.5	<1.9	<0.5	<0.5	<0.41	<0.41	<0.84	<0.34	<0.34	<0.22	<0.22	<0.44
cis-1,2-Dichloroethene	70	7	10.8 J	49	30.2	1.27	<3.8	1.9J	1.3J	1.1 J	1.7	0.84	2.7
Trans-1,2-Dichloroethene	100	20	<6.5	2.82	1.69 J	<0.35	<3.5	<1.2	<0.51	<0.51	0.27	<0.24	<0.47
Tetrachloroethene	5	0.5	<2.15	<0.44	<0.44	<0.33	<0.33	<2.5	<1.0	<1.0	<0.17	<0.17	<0.34
1,2,4-Trimethylbenzene	--	--	<3.25	<0.8	<0.8	<2.2	<22	<2.5	<1.0	<1.0	<0.20	<0.20	<0.40
Toluene	800	160	<3.6	<0.53	<0.53	<0.69	<0.69	<2.5	<1.0	<1.0	<0.083	<0.083	<0.17
Trichloroethene	5	0.5	23.1	1.28 J	3.2	2.74	<3.3	3.5 J	2.8	3.4	4.9	2.9	6.2
Vinyl Chloride	0.2	0.02	<0.95	0.53J	0.40J	<0.18	3.6 J	<0.88	<0.35	<0.35	<0.092	<0.092	<0.18
1,4-Dioxane	3	0.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	23.6	8.8
Benzene	5	0.5	<1.9	<0.5	<0.5	<0.24	<0.24	<2.5	<1.0	<1.0	<0.10	<0.10	<0.20
Naphthalene	100	10	<12	<2.1	<2.1	<1.7	<17	<12.5	<5.0	<5.0	<0.48	<0.48	<0.96
tert-Butylbenzene	--	--	<2.75	<0.71	<0.71	<0.36	<3.6	<0.90	<0.36	<0.36	<0.15	<0.15	<0.30

All values in ug/l (ppm)

¹ NR 140.10, June 2021

² Groundwater Grab Sample Collected from SB-11 and SB-12 Were Collected From the Open Boreholes During Installation of MW-11 and MW-12 Respectively

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XXX = Value exceeds Protection of Groundwater REL

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N/A = Constituent Not Analyzed

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TABLE A.1
Groundwater Analytical Table
2007 - 2019

Superior Health Linens
5005 S. Packard Ave / Cudahy, WI / BRRTS No. 02-41-532649

Compound	ch. NR 140 ¹		MW-7								MW-8					
	Enforcement Standard	Preventative Action Level														
	Top of Screen (ft, MSL)		706.5'								708.9'					
	Base of Screen (ft, MSL)		696.5'								693.9'					
	Sample Date		12/23/2010	3/17/2011	1/2/2013	6/14/2013	1/15/2014	4/14/2014	7/31/2014	8/31/17	4/14/2014	7/31/2014	8/31/2017	1/16/2019	4/17/2019	7/16/2019
1,1,1-Trichloroethane	200	40	<0.53	<0.85	<0.85	0.37J	<0.33	<0.50	<0.50	<0.50	37.0	18.5	164	115	71.4	121
1,1,2-Trichloroethane	5	0.5	<4.7	<0.47	<0.47	<0.34	<0.34	<0.16	<0.16	<0.20	<0.16	<0.16	<0.20	<5.0	<0.18	<0.18
1,1-Dichloroethane	850	85	<6.9	<0.98	<0.98	<0.3	<0.3	<0.16	<0.24	<0.24	0.58 J	1.9	2.8	1.4	0.82	1.7
1,1-Dichloroethene	7	0.7	<7	<0.6	<0.6	<0.4	<0.4	<0.41	<0.41	<0.41	<0.41	<0.41	2.2	1.4	0.65	1.1
1,2-Dichloroethane	5	0.5	<3.8	<0.5	<0.5	<0.41	<0.41	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	0.25 J	<0.22	<0.22
cis-1,2-Dichloroethene	70	7	<0.78	<0.74	<0.74	<0.38	<0.38	<0.26	<0.26	<0.26	<0.26	<0.26	3.8	3	7.2	7.8
Trans-1,2-Dichloroethene	100	20	<13	<0.79	<0.79	<0.35	<0.35	<0.24	<0.26	<0.26	<0.24	<0.26	<0.26	<0.24	<0.24	<0.24
Tetrachloroethene	5	0.5	<4.3	<0.44	<0.44	<0.33	<0.33	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.17	<0.17	<0.17
1,2,4-Trimethylbenzene	--	--	<6.5	<0.8	<0.8	<2.2	<2.2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20
Toluene	800	160	<7.2	<0.53	<0.53	<0.69	<0.69	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.083	<0.083	<0.083
Trichloroethene	5	0.5	10	12.1	5	16	2.68	11.5	4.4	3.3	4.3	2.7	99.0	95.3	97.6	148
Vinyl Chloride	0.2	0.02	<1.9	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.092	<0.092	<0.092
1,4-Dioxane	3	0.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.5	9.1	<0.26
Benzene	5	0.5	<0.38	<0.5	<0.5	<0.24	<0.24	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10	<0.10	<0.10
Naphthalene	100	10	<24	<2.1	<2.1	<1.7	<1.7	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.48	<0.48	<0.48
tert-Butylbenzene	--	--	<5.5	<0.71	<0.71	<0.36	<0.36	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.15	<0.15	<0.15

All values in ug/l (ppm)

¹ NR 140.10, June 2021

² Groundwater Grab Sample Collected from SB-11 and SB-12 Were Collected

From the Open Boreholes During Installation of MW-11 and MW-12 Respectively

XXX = Detected Above Reporting Limits of the Laboratory Equipment

XXX = Value exceeds Protection of Groundwater REL

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N/A = Constituent Not Analyzed

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**TABLE A.1
Groundwater Analytical Table
2007 - 2019**

**Superior Health Linens
5005 S. Packard Ave / Cudahy, WI / BRRTS No. 02-41-532649**

Compound	ch. NR 140 ¹		MW-9		MW-10		MW-11					MW-12				
	Enforcement Standard	Preventative Action Level														
	Top of Screen (ft, MSL)		700.9'		700.8'		690.8'					657.4'				
	Base of Screen (ft, MSL)		690.9'		690.8'		680.8'					652.4'				
Sample Date		7/31/2014	8/30/2017	7/31/2014	8/30/2017	8/31/2017	10/4/2018	1/16/2019	4/17/2019	7/16/2019	8/31/2017	10/4/2018	1/16/2019	4/17/2019	7/16/2019	
1,1,1-Trichloroethane	200	40	1.3	6.7	<0.50	<0.50	<0.50	<0.14	<0.14	<0.14	<0.14	<0.50	<0.14	<0.14	<0.14	<0.14
1,1,2-Trichloroethane	5	0.5	<0.16	<0.20	<0.16	<0.20	<0.20	<0.18	<0.18	<0.18	<0.18	<0.20	<0.18	<0.18	<0.18	<0.18
1,1-Dichloroethane	850	85	<0.24	1.3	<0.24	<0.24	<0.24	0.24 J	<0.17	0.28 J	0.34 J	<0.24	<0.17	<0.17	<0.17	<0.17
1,1-Dichloroethene	7	0.7	<0.41	<0.41	<0.41	<0.41	<0.41	<0.16	<0.16	<0.16	<0.16	<0.41	<0.16	<0.16	<0.16	<0.16
1,2-Dichloroethane	5	0.5	<0.17	<0.17	<0.17	<0.17	<0.17	<0.22	<0.22	<0.22	<0.22	<0.17	<0.22	<0.22	<0.22	<0.22
cis-1,2-Dichloroethene	70	7	<0.26	<0.26	<0.26	<0.26	<0.26	<0.15	<0.15	<0.15	<0.15	0.27 J	0.86	<0.15	<0.15	<0.15
Trans-1,2-Dichloroethene	100	20	<0.26	<0.26	<0.26	<0.26	<0.26	<0.12	<0.24	<0.24	<0.24	<0.26	<0.12	<0.24	<0.24	<0.24
Tetrachloroethene	5	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.17	<0.17	<0.17	<0.17	<0.5	<0.17	<0.17	<0.17	<0.17
1,2,4-Trimethylbenzene	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.20	<0.20
Toluene	800	160	<0.50	<0.50	<0.50	<0.50	<0.50	<0.083	<0.083	<0.083	<0.083	<0.50	<0.083	<0.083	<0.083	<0.083
Trichloroethene	5	0.5	<0.33	<0.33	<0.33	<0.33	<0.33	<0.15	<0.15	0.71	0.24 J	1.6	0.86	0.99	0.83	1.1
Vinyl Chloride	0.2	0.02	<0.18	<0.18	<0.18	<0.18	<0.18	<0.092	<0.092	<0.092	<0.092	<0.18	<0.092	<0.092	<0.092	<0.092
1,4-Dioxane	3	0.3	N/A	N/A	N/A	N/A	N/A	<0.26	1.1	8.7	<0.26	N/A	N/A	<0.26	2.7	<0.26
Benzene	5	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10	<0.10
Naphthalene	100	10	<2.5	<2.5	<2.5	<2.5	<2.5	<0.12	<0.48	<0.48	<0.48	<2.5	0.90 J	<0.48	<0.48	<0.48
tert-Butylbenzene	--	--	<0.18	<0.18	4.8	0.27 J	<0.18	<0.15	<0.15	<0.15	<0.15	<0.18	<0.15	<0.15	<0.15	<0.15

All values in ug/l (ppm)

¹ NR 140.10, June 2021

² Groundwater Grab Sample Collected from SB-11 and SB-12 Were Collected

From the Open Boreholes During Installation of MW-11 and MW-12 Respectively

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TABLE A.1
Groundwater Analytical Table
2007 - 2019

Superior Health Linens
5005 S. Packard Ave / Cudahy, WI / BRRS No. 02-41-532649

Compound	ch. NR 140 ¹		MW-13					MW-14				
	Enforcement Standard	Preventative Action Level										
	Top of Screen (ft, MSL)		686.2'					686.6'				
	Base of Screen (ft, MSL)		681.2'					681.6'				
	Sample Date		8/30/2017	10/4/2018	1/15/2019	4/17/2019	7/16/2019	8/30/2017	10/4/2018	1/16/2019	4/17/2019	7/16/2019
1,1,1-Trichloroethane	200	40	<0.50	<0.14	<0.14	<0.14	<0.14	<0.50	<0.14	<0.14	<0.14	<0.14
1,1,2-Trichloroethane	5	0.5	<0.20	<0.18	<0.18	<0.18	<0.18	<0.20	<0.18	<0.18	<0.18	<0.18
1,1-Dichloroethane	850	85	16.8	14.9	16.1	12.6	14.1	<0.24	<0.17	<0.17	<0.17	<0.17
1,1-Dichloroethene	7	0.7	2.5	2.4	2.6	2.2	2.5	<0.41	<0.16	<0.16	<0.16	<0.16
1,2-Dichloroethane	5	0.5	<0.17	<0.22	<0.22	<0.22	<0.22	<0.17	<0.22	<0.22	<0.22	<0.22
cis-1,2-Dichloroethene	70	7	121	119	94.7	102	7.8	<0.26	<0.15	<0.15	<0.15	<0.15
Trans-1,2-Dichloroethene	100	20	16.5	18.9	21.7	19.9	21.1	<0.26	<0.12	<0.24	<0.24	<0.24
Tetrachloroethene	5	0.5	<0.5	<0.17	<0.17	<0.17	<0.17	<0.50	<0.17	<0.17	<0.17	<0.17
1,2,4-Trimethylbenzene	--	--	<0.50	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.20	<0.20
Toluene	800	160	<0.50	<0.083	<0.083	<0.083	<0.083	<0.50	<0.083	<0.083	<0.083	<0.083
Trichloroethene	5	0.5	9.1	12	9.9	9.8	10.5	<0.33	<0.15	<0.15	<0.15	<0.15
Vinyl Chloride	0.2	0.02	0.70 J	0.47	0.66	0.48	0.73	<0.18	<0.092	<0.092	<0.092	<0.092
1,4-Dioxane	3	0.3	N/A	6.7	6.9	19.4	6.9	N/A	11.3	9.5	21.7	8.2
Benzene	5	0.5	<0.50	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10	<0.10
Naphthalene	100	10	<2.5	18.9	<0.48	<0.48	<0.48	<2.5	<0.12	<0.48	<0.48	<0.48
tert-Butylbenzene	--	--	<0.18	<0.15	<0.15	<0.15	<0.15	<0.18	<0.15	<0.15	<0.15	<0.15

All values in ug/l (ppm)

¹ NR 140.10, June 2021

² Groundwater Grab Sample Collected from SB-11 and SB-12 Were Collected

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TABLE A.3
RESIDUAL SOIL ANALYTICAL RESULTS

Superior Health Linens
5005 S. Packard Avenue
Cudahy, WI

CONSTITUENT	Residential Direct Contact RCL (mg/kg) ¹	Industrial Direct Contact RCL (mg/kg) ¹	Protection of Groundwater RCL (mg/kg) ¹	Inorganic Background Threshold Values (mg/kg) ²	SAMPLE ID														
					TW-1	TW-2	TW-6	TW-8	TW-9		TW-13	B-17	HA-20	HA-21	HA-22	HA-23	GP-1	GP-2	
					7/27/04	7/27/04	7/27/04	7/27/04	7/27/04		7/28/04	7/28/04	8/19/04	8/19/04	8/19/04	8/19/04	5/15/08	5/15/08	5/15/08
Date Collected																			
Depth (feet bgs)																			
Saturated(s)/Unsaturated(u)																			
Benzene	1.6	7.07	0.0051	--	0.166	<0.025	N/A	0.0715	N/A	<0.025	N/A	<0.025	<0.025	<0.025	<0.025	<0.025	<0.020	<0.020	<0.020
Carbon Tetrachloride	0.916	4.03	0.0039	--	<0.025	0.162	N/A	<0.025	N/A	<0.025	N/A	<0.025	<0.025	<0.025	<0.025	<0.025	<0.021	<0.021	<0.021
1,3-Dichlorobenzene	297	297	1.528	--	0.0653	<0.025	N/A	<0.025	N/A	<0.025	N/A	<0.025	<0.025	<0.025	<0.025	<0.025	<0.041	<0.041	<0.041
1,2-Dichlorobenzene	376	376	1.168	--	0.0481	0.0327	N/A	<0.025	N/A	<0.025	N/A	<0.025	<0.025	<0.025	<0.025	<0.025	<0.032	<0.032	<0.032
1,1-Dichloroethane	5.06	22.2	0.4834	--	<0.025	0.182	N/A	<0.025	N/A	<0.025	N/A	<0.025	<0.025	<0.025	<0.025	<0.025	<0.022	<0.022	<0.022
1,1-Dichloroethene	320	1,190	0.005	--	<0.025	<0.025	N/A	<0.025	N/A	<0.025	N/A	<0.025	<0.025	<0.025	<0.025	<0.025	<0.027	<0.027	<0.027
cis-1,2-Dichloroethene	156	2,340	0.0412	--	<0.025	4.88	N/A	<0.025	N/A	<0.025	N/A	<0.025	0.249	<0.025	0.0341	<0.025	<0.024	<0.024	<0.024
Ethylbenzene	8.02	35.4	1.57	--	0.178	12.6	N/A	0.0639	N/A	3.21	N/A	0.0587	<0.025	<0.025	<0.025	<0.025	<0.016	<0.016	<0.016
p-Isopropyltoluene	162	162	---	--	0.0533	0.936	N/A	<0.025	N/A	0.293	N/A	0.0298	<0.025	<0.025	<0.025	<0.025	<0.030	<0.030	<0.030
Naphthalene	5.52	24.1	0.6582	--	0.883	0.919	N/A	0.0775	N/A	3.5	N/A	0.38	<0.025	<0.025	<0.025	<0.025	<0.117	<0.117	<0.117
Tetrachloroethene	33	145	0.0045	--	<0.025	0.163	N/A	<0.025	N/A	<0.025	N/A	<0.025	0.268	0.176	0.21	<0.025	<0.018	<0.018	<0.018
Toluene	818	818	1.1072	--	0.867	56.9	N/A	<0.025	N/A	<0.025	N/A	0.152	<0.025	<0.025	<0.025	<0.025	<0.023	<0.023	<0.023
1,2,4-Trichlorobenzene	24	113	0.408	--	0.0962	0.0816	N/A	0.0455	N/A	<0.025	N/A	<0.025	<0.025	<0.025	<0.025	<0.025	<0.053	<0.053	<0.053
1,2,3-Trichlorobenzene	62.6	934	---	--	0.1	0.0758	N/A	<0.025	N/A	<0.025	N/A	<0.025	<0.025	<0.025	<0.025	<0.025	<0.087	<0.087	<0.087
1,1,1-Trichloroethane	640	640	0.1402	--	0.456	10.8	N/A	<0.025	N/A	<0.025	N/A	<0.025	0.335	0.081	0.156	0.491	0.34	0.198	1.47
1,1,2-Trichloroethane	1.59	7.01	0.0032	--	<0.025	<0.025	N/A	<0.025	N/A	0.141	N/A	<0.025	<0.025	<0.025	<0.025	<0.025	<0.030	<0.030	<0.030
Trichloroethene (TCE)	1.3	8.41	0.0036	--	0.254	2.44	N/A	<0.025	N/A	<0.025	N/A	<0.025	5.81	6.94	2.88	0.179	<0.020	<0.020	<0.020
1,2,4-Trimethylbenzene	219	219	1.3787	--	0.476	505	N/A	<0.025	N/A	17.5	N/A	0.207	<0.025	<0.025	<0.025	<0.025	<0.020	<0.020	<0.020
1,3,5-Trimethylbenzene	182	182	1.3787	--	0.147	1.16	N/A	<0.025	N/A	2.64	N/A	0.0877	<0.025	<0.025	<0.025	<0.025	<0.024	<0.024	<0.024
Trimethylbenzenes	--	---	1.3787	--	0.623	506.16	N/A	<0.025	N/A	20.14	N/A	<0.025	<0.025	<0.025	<0.025	<0.025	<0.020	<0.020	<0.020
Vinyl Chloride	0.067	2.08	0.0001	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Xylenes	260	260	3.96	--	1.28	164	N/A	0.129	N/A	4.42	N/A	0.354	<0.025	<0.025	<0.025	<0.025	<0.033	<0.033	<0.033
1,4 dioxane	5.72	26.5	0.0012	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Diesel Range Organics (DRO)	--	--	--	--	N/A	N/A	N/A	<5.91	N/A	12.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gasoline Range Organics (GRO)	--	--	--	--	N/A	N/A	N/A	N/A	N/A	212	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Organic Carbon (TOC)	--	--	--	--	85900	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arsenic	0.677	3	0.542	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barium	15,300	100,000	164.8	364	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Chromium	--	--	360,000	44	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lead	400	800	27	52	99.8	N/A	108	N/A	173	N/A	170	285	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes:

¹ Industrial Direct Contact RCLs using the USEPA Regional Screen Level Web Calculator PUB-RR-890, Updated Dec. 2018

² WI DNR 720 RCLs Quick Reference Table Contaminated Soil (October 2018)

XXX = Value detected above laboratory limit of detection

XXX = Value exceeds Protection of Groundwater RCLs

XXX = Value exceeds Residential Direct Contact RCLs

XXX = Value exceeds Industrial Direct Contact RCLs

N/A - Constituent not analyzed

--- - No standard established

"J" - Below laboratory limit of detection and limit of quantification

bgs - below ground surface

mg/kg - milligrams per kilogram

< - Below Laboratory Detection Limits

TABLE A.3
RESIDUAL SOIL ANALYTICAL RESULTS

Superior Health Linens
5005 S. Packard Avenue
Cudahy, WI

1

CONSTITUENT	Residential Direct Contact RCL (mg/kg) ¹	Industrial Direct Contact RCL (mg/kg) ¹	Protection of Groundwater RCL (mg/kg) ¹	Inorganic Background Threshold Values (mg/kg) ²	SAMPLE ID														
					GP-3		GP-4		GP-5		GP-6		MW-1		MW-2		MW-3		
					5/15/08	5/15/08	5/15/08	5/15/08	5/15/08	5/15/08	5/15/08	5/15/08	10/17/07	10/17/07	10/17/07	10/17/07	10/17/07	10/17/07	
Date Collected	Depth (feet bgs)	Saturated(s)/Unsaturated(u)			0-2	4-6	2-4	6-8	2-4	6-8	2-4	6-8	0-2	7.5-10	5-7.5	10-12	0-2	12-14	
					U	S	U	S	U	S	U	S	U	S	U	S	U	S	
Benzene	1.6	7.07	0.0051	--	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Carbon Tetrachloride	0.916	4.03	0.0039	--	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
1,3-Dichlorobenzene	297	297	1.528	--	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
1,2-Dichlorobenzene	376	376	1.168	--	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
1,1-Dichloroethane	5.06	22.2	0.4834	--	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.025	<0.025	<0.025	<0.025	0.043 J	<0.025	0.093 J
1,1-Dichloroethene	320	1,190	0.005	--	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.025	<0.025	<0.025	<0.025	0.050 J	<0.025	0.163
cis-1,2-Dichloroethene	156	2,340	0.0412	--	<0.024	<0.024	<0.024	0.038 J	<0.024	0.72	<0.024	0.0252 J	<0.025	<0.025	0.254	0.61	0.053	0.215	
Ethylbenzene	8.02	35.4	1.57	--	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	0.061	<0.025	<0.025	<0.025	0.064	<0.025	<0.025
p-Isopropyltoluene	162	162	---	--	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.025	<0.025	<0.025	<0.025	0.44	<0.025	<0.025
Naphthalene	5.52	24.1	0.6582	--	<0.117	<0.117	<0.117	<0.117	<0.117	<0.117	<0.117	<0.117	0.101	<0.025	<0.025	<0.025	0.172	<0.025	<0.025
Tetrachloroethene	33	145	0.0045	--	<0.018	<0.018	0.0209 J	0.21	0.0312 J	0.46	0.042 J	0.242	0.0251 J	<0.025	0.132	<0.025	<0.025	<0.025	<0.025
Toluene	818	818	1.1072	--	0.051 J	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	0.159	<0.025	<0.025	<0.025	0.0301 J	<0.025	<0.025
1,2,4-Trichlorobenzene	24	113	0.408	--	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
1,2,3-Trichlorobenzene	62.6	934	---	--	<0.087	<0.087	<0.087	<0.087	<0.087	<0.087	<0.087	<0.087	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
1,1,1-Trichloroethane	640	640	0.1402	--	0.061 J	<0.027	<0.027	0.41	<0.027	1.38	<0.027	0.33	0.24	0.064J	0.73	2.35	0.288	5.7	
1,1,2-Trichloroethane	1.59	7.01	0.0032	--	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Trichloroethene (TCE)	1.3	8.41	0.0036	--	0.135	0.0274 J	4.2	26.6	1.29	30.3	1.08	22.2	0.66	5.6	28	35	1.18	12.5	
1,2,4-Trimethylbenzene	219	219	1.3787	--	0.041 J	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.175	<0.025	<0.025	<0.025	48	<0.025	<0.025
1,3,5-Trimethylbenzene	182	182	1.3787	--	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	0.088	<0.025	<0.025	<0.025	<0.025	69	<0.025
Trimethylbenzenes	--	---	1.3787	--	0.041 J	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.532	<0.025	<0.025	<0.025	<0.025	117	<0.025
Vinyl Chloride	0.067	2.08	0.0001	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Xylenes	260	260	3.96	--	0.101 J	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	0.532	<0.025	<0.025	<0.025	0.369	<0.025	<0.025
1,4 dioxane	5.72	26.5	0.0012	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Diesel Range Organics (DRO)	--	--	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gasoline Range Organics (GRO)	--	--	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Organic Carbon (TOC)	--	--	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arsenic	0.677	3	0.542	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barium	15,300	100,000	164.8	364	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Chromium	--	--	360,000	44	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lead	400	800	27	52	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes:

¹ Industrial Direct Contact RCLs using the USEPA Regional Screen Level Web Calculator PUB-RR-890, Updated Dec. 2018

² WI DNR 720 RCLs Quick Reference Table Contaminated Soil (October 2018)

XXX = Value detected above laboratory limit of detection

XXX = Value exceeds Protection of Groundwater RCLs

XXX = Value exceeds Residential Direct Contact RCLs

XXX = Value exceeds Industrial Direct Contact RCLs

N/A - Constituent not analyzed

--- - No standard established

"J" - Below laboratory limit of detection and limit of quantification

bgs - below ground surface

mg/kg - milligrams per kilogram

< - Below Laboratory Detection Limits

TABLE A.3
RESIDUAL SOIL ANALYTICAL RESULTS

Superior Health Linens
5005 S. Packard Avenue
Cudahy, WI

CONSTITUENT	Residential Direct Contact RCL (mg/kg) ¹	Industrial Direct Contact RCL (mg/kg) ¹	Protection of Groundwater RCL (mg/kg) ¹	Inorganic Background Threshold Values (mg/kg) ²	SAMPLE ID															
					MW-4		MW-5		MW-8			MW-9	KSP-1		HP-1		HP-2		HPU-3	HPU-4
					10/17/07	10/17/07	10/17/07	10/17/07	4/11/14	4/11/14	4/11/14	7/1/14	7/1/14		1/19/16	1/19/16	1/19/16	1/19/16	1/20/16	1/20/16
					0-2	5-7.5	0-2	7.5-10	2-4	10-12	14-16	6-8	16.5-17	22-24	2.5 - 3.5'	16 - 17'	3 - 4'	11 - 12'	16-17'	13 - 14'
Saturated(s)/Unsaturated(u)					U	S	U	S	U	S	S	S	S	S	U	S	U	S	S	S
Benzene	1.6	7.07	0.0051	--	<0.025	<0.025	0.062 J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.20	<0.20	<0.025	<0.050	<0.025	<0.025	<0.100	<0.200
Carbon Tetrachloride	0.916	4.03	0.0039	--	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.20	<0.20	<0.025	<0.050	<0.025	<0.025	<0.100	<0.200
1,3-Dichlorobenzene	297	297	1.528	--	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.20	<0.20	<0.025	<0.050	<0.025	<0.025	<0.100	<0.200
1,2-Dichlorobenzene	376	376	1.168	--	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.20	<0.20	<0.025	<0.050	<0.025	<0.025	<0.100	<0.200
1,1-Dichloroethane	5.06	22.2	0.4834	--	<0.025	<0.025	0.035 J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.20	<0.20	<0.025	<0.050	<0.025	<0.025	<0.100	<0.200
1,1-Dichloroethene	320	1,190	0.005	--	<0.025	<0.025	0.46	.0286 J	<0.025	<0.025	<0.025	<0.025	<0.20	<0.20	<0.025	<0.050	<0.025	<0.025	<0.100	<0.200
cis-1,2-Dichloroethene	156	2,340	0.0412	--	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.20	<0.20	0.0724	0.0606	<0.025	<0.025	<0.100	<0.200
Ethylbenzene	8.02	35.4	1.57	--	<0.025	0.056	0.098	<0.025	<0.025	<0.025	<0.025	<0.025	<0.20	<0.20	<0.025	<0.050	<0.025	<0.025	<0.100	<0.200
p-Isopropyltoluene	162	162	---	--	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.20	<0.20	<0.025	<0.050	<0.025	<0.025	<0.100	<0.200
Naphthalene	5.52	24.1	0.6582	--	0.0287J	<0.025	0.35	<0.025	<0.040	<0.040	<0.040	<0.040	<0.32	<0.32	<0.040	<0.081	<0.040	<0.040	<0.160	<0.200
Tetrachloroethene	33	145	0.0045	--	0.052 J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.20	<0.20	<0.025	<0.050	<0.025	<0.025	<0.100	<0.200
Toluene	818	818	1.1072	--	<0.025	<0.025	0.44	<0.025	<0.025	<0.025	<0.025	<0.025	<0.20	<0.20	<0.025	<0.050	<0.025	<0.025	<0.100	<0.200
1,2,4-Trichlorobenzene	24	113	0.408	--	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.20	<0.20	<0.0476	<0.0951	<0.0476	<0.0476	<0.100	<0.380
1,2,3-Trichlorobenzene	62.6	934	---	--	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.20	<0.20	<0.025	<0.050	<0.025	<0.025	<0.100	<0.200
1,1,1-Trichloroethane	640	640	0.1402	--	0.21	0.067J	12	1.92	<0.025	<0.025	<0.025	<0.025	<0.20	<0.20	<0.025	<0.050	<0.025	0.0436	0.667	0.764
1,1,2-Trichloroethane	1.59	7.01	0.0032	--	<0.025	<0.025	<0.025	<0.025	0.23	<0.025	0.28	0.1	1.0	0.69	<0.025	<0.050	<0.025	<0.025	<0.100	<0.200
Trichloroethene (TCE)	1.3	8.41	0.0036	--	0.107	0.054	0.06	1.0	<0.025	<0.025	<0.025	<0.025	14.8	14.8	1.47	14.8	0.069	2.36	21.7	40.9
1,2,4-Trimethylbenzene	219	219	1.3787	--	0.057J	0.106	0.36	<0.025	<0.025	<0.025	<0.025	<0.025	<0.20	<0.20	<0.025	<0.050	<0.025	<0.025	<0.100	<0.200
1,3,5-Trimethylbenzene	182	182	1.3787	--	0.048 J	0.048 J	0.34	<0.025	<0.025	<0.025	<0.025	<0.025	<0.20	<0.20	<0.025	<0.050	<0.025	<0.025	<0.100	<0.200
Trimethylbenzenes	--	---	1.3787	--	0.105 J	0.154	0.7	<0.025	<0.025	<0.025	<0.025	<0.025	<0.20	<0.20	N/A	N/A	N/A	N/A	N/A	N/A
Vinyl Chloride	0.067	2.08	0.0001	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.025	<0.050	<0.025	<0.025	<0.100	<0.200
Total Xylenes	260	260	3.96	--	0.104 J	0.148	1.0	<0.025	<0.025	<0.025	<0.025	<0.025	<0.20	<0.20	N/A	N/A	N/A	N/A	N/A	N/A
1,4 dioxane	5.72	26.5	0.0012	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Diesel Range Organics (DRO)	--	--	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gasoline Range Organics (GRO)	--	--	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Organic Carbon (TOC)	--	--	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arsenic	0.677	3	0.542	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barium	15,300	100,000	164.8	364	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Chromium	--	--	360,000	44	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lead	400	800	27	52	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes:
¹ Industrial Direct Contact RCLs using the USEPA Regional Screen Level Web Calculator PUB-RR-890, Updated Dec. 2018
² WI DNR 720 RCLs Quick Reference Table Contaminated Soil (October 2018)
 XXX = Value detected above laboratory limit of detection
 XXX = Value exceeds Protection of Groundwater RCLs
 XXX = Value exceeds Residential Direct Contact RCLs
 XXX = Value exceeds Industrial Direct Contact RCLs
 N/A - Constituent not analyzed
 --- - No standard established
 "J" - Below laboratory limit of detection and limit of quantification
 bgs - below ground surface
 mg/kg - milligrams per kilogram
 < - Below Laboratory Detection Limits

TABLE A.3
RESIDUAL SOIL ANALYTICAL RESULTS

Superior Health Linens
5005 S. Packard Avenue
Cudahy, WI

CONSTITUENT	Residential Direct Contact RCL (mg/kg) ¹	Industrial Direct Contact RCL (mg/kg) ¹	Protection of Groundwater RCL (mg/kg) ¹	Inorganic Background Threshold Values (mg/kg) ²	SAMPLE ID														
					HPU-6	MW-11	MW-12				HA-1			HA-2		HA-3		HA-4	
					1/20/16	6/5/2017	6/6/2017	6/6/2017	6/6/2017	6/6/2017	10/29/2021	10/29/2021	10/29/2021	10/29/2021	10/29/2021	10/29/2021	10/29/2021	10/29/2021	10/29/2021
					9 - 10	8-9'	5-6'	14-15'	23.5-24'	35-36'	0 - 1'	3 - 4'	3 - 4' (DUP)	1 - 2'	3 - 4'	0 - 1'	3 - 4'	1 - 2'	2 - 3'
Saturated(s)/Unsaturated(u)					S	U	U	S	S	S	U	U	U	U	U	U	U	U	
Benzene	1.6	7.07	0.0051	--	<0.200	<0.0113	<0.0113	<0.207	<0.0416	<0.0117	<0.0817	<0.0481	<0.0474	0.0415	<0.0477	<0.0917	<0.0452	0.0331	<0.0504
Carbon Tetrachloride	0.916	4.03	0.0039	--	<0.200	<0.0149	<0.0148	<0.272	<0.0546	<0.0153	<0.157	<0.0926	<0.0912	<0.225	<0.0917	<0.176	<0.0868	<0.179	<0.0971
1,3-Dichlorobenzene	297	297	1.528	--	<0.200	N/A	N/A	N/A	N/A	N/A	<0.105	<0.0617	<0.0608	<0.150	<0.0611	<0.118	<0.0579	<0.120	<0.0649
1,2-Dichlorobenzene	376	376	1.168	--	<0.200	N/A	N/A	N/A	N/A	N/A	<0.0747	<0.0436	<0.0429	<0.106	<0.0431	<0.0836	<0.0409	<0.0851	<0.0460
1,1-Dichloroethane	5.06	22.2	0.4834	--	<0.200	<0.0217	<0.0216	<0.397	0.157 J	<0.0223	<0.0857	<0.0506	<0.0498	<0.123	<0.0501	<0.0964	<0.0475	<0.0984	<0.0531
1,1-Dichloroethene	320	1,190	0.005	--	<0.200	<0.0217	<0.0216	<0.397	<0.0796	<0.0223	<0.106	<0.0626	<0.0616	<0.152	<0.0620	<0.119	<0.0587	<0.121	<0.0657
cis-1,2-Dichloroethene	156	2,340	0.0412	--	<0.200	<0.0204	0.209	0.819 J	0.41	<0.021	<0.128	0.0264	0.0289	0.32	0.0883	<0.144	<0.0710	0.215	0.0332
Ethylbenzene	8.02	35.4	1.57	--	<0.200	<0.0153	<0.0152	<0.28	<0.0561	<0.0157	<0.129	0.0264	<0.0745	<0.184	<0.0749	<0.144	<0.0710	0.0494	<0.0799
p-Isopropyltoluene	162	162	---	--	<0.200	N/A	N/A	N/A	N/A	N/A	<0.446	<0.263	<0.259	<0.639	<0.260	<0.500	<0.247	<0.511	<0.276
Naphthalene	5.52	24.1	0.6582	--	<0.200	N/A	N/A	N/A	N/A	N/A	<0.852	<0.502	<0.495	<1.22	<0.497	<0.958	<0.471	<0.975	<0.528
Tetrachloroethene	33	145	0.0045	--	<0.200	<0.0159	0.137	0.534 J	0.135 J	<0.0163	<0.157	<0.0922	<0.0908	0.103	0.0287	<0.176	<0.0865	0.147	<0.0968
Toluene	818	818	1.1072	--	<0.200	<0.0138	<0.0137	<0.252	<0.0507	<0.0142	0.0927	<0.133	<0.131	0.21	<0.132	0.13	<0.125	0.208	<0.140
1,2,4-Trichlorobenzene	24	113	0.408	--	<0.380	N/A	N/A	N/A	N/A	N/A	<0.770	<0.453	<0.446	<1.10	<0.449	<0.863	<0.425	<0.881	<0.476
1,2,3-Trichlorobenzene	62.6	934	---	--	<0.200	N/A	N/A	N/A	N/A	N/A	<1.28	<0.753	<0.742	<1.84	<0.746	<1.44	<0.706	<1.47	<0.794
1,1,1-Trichloroethane	640	640	0.1402	--	1.52	0.366	0.126	<0.325	0.832	<0.0183	<0.162	<0.0951	<0.0936	1.17	0.0744	0.116	<0.0891	0.465	0.0598
1,1,2-Trichloroethane	1.59	7.01	0.0032	--	<0.200	<0.0249	<0.0248	<0.455	<0.0914	<0.0256	<0.104	<0.0614	<0.0604	<0.150	<0.0608	<0.117	<0.0575	<0.120	<0.0646
Trichloroethene (TCE)	1.3	8.41	0.0036	--	35.4	<0.0291	2.05	208	44.6	0.35	0.125	0.378	0.405	202	22	1.16	0.0333	167	22.3
1,2,4-Trimethylbenzene	219	219	1.3787	--	<0.200	N/A	N/A	N/A	N/A	N/A	<0.276	<0.163	<0.160	0.207	<0.161	0.122	<0.153	0.156	<0.171
1,3,5-Trimethylbenzene	182	182	1.3787	--	<0.200	N/A	N/A	N/A	N/A	N/A	<0.350	<0.206	<0.203	<0.501	<0.204	<0.393	<0.193	<0.401	<0.216
Trimethylbenzenes	--	---	1.3787	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Vinyl Chloride	0.067	2.08	0.0001	--	<0.200	<0.0259	<0.0258	<0.475	<0.953	<0.0267	<0.203	<0.119	<0.118	<0.290	<0.118	<0.228	<0.112	<0.233	<0.125
Total Xylenes	260	260	3.96	--	N/A	<0.0596	<0.0593	<1.09	<0.219	<0.0613	0.175	<0.0905	<0.0891	0.425	<0.0896	0.247	<0.0849	0.38	0.0725
1,4 dioxane	5.72	26.5	0.0012	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<3.01	<3.01	<3.01	<3.01
Diesel Range Organics (DRO)	--	--	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gasoline Range Organics (GRO)	--	--	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Organic Carbon (TOC)	--	--	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arsenic	0.677	3	0.542	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barium	15,300	100,000	164.8	364	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Chromium	--	--	360,000	44	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lead	400	800	27	52	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes:

- ¹ Industrial Direct Contact RCLs using the USEPA Regional Screen Level Web Calculator PUB-RR-890, Updated Dec. 2018
- ² WI DNR 720 RCLs Quick Reference Table Contaminated Soil (October 2018)
- XXX = Value detected above laboratory limit of detection
- XXX = Value exceeds Protection of Groundwater RCLs
- XXX = Value exceeds Residential Direct Contact RCLs
- XXX = Value exceeds Industrial Direct Contact RCLs
- N/A - Constituent not analyzed
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- "J" - Below laboratory limit of detection and limit of quantification
- bgs - below ground surface
- mg/kg - milligrams per kilogram
- < - Below Laboratory Detection Limits

TABLE A.3
RESIDUAL SOIL ANALYTICAL RESULTS

Superior Health Linens
5005 S. Packard Avenue
Cudahy, WI

CONSTITUENT	Residential Direct Contact RCL (mg/kg) ¹	Industrial Direct Contact RCL (mg/kg) ¹	Protection of Groundwater RCL (mg/kg) ¹	Inorganic Background Threshold Values (mg/kg) ²	SAMPLE ID													
					HA-5	HA-7	HA-9		HA-11			HA-12		HA-13	HA-14		HA-15	
					10/29/2021	8/14/2018	10/29/2021	10/29/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021
Date Collected																		
Depth (feet bgs)					0 - 1'	0 - 1'	0 - 1'	3 - 4'	1 - 2'	1 - 2' DUP	3 - 4'	1 - 2'	3 - 4'	3 - 4'	1 - 2'	3 - 4'	1 - 2'	3 - 4'
Saturated(s)/Unsaturated(u)					U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	1.6	7.07	0.0051	--	<0.0947	<0.0832	<0.0675	<0.0467	<0.0371	<0.0344	<0.0289	<0.0321	<0.0294	<0.0463	<0.0306	<0.0307	<0.0546	<0.0329
Carbon Tetrachloride	0.916	4.03	0.0039	--	<0.183	<0.159	0.106	<0.0897	<0.186	<0.172	<0.145	<0.160	<0.147	<0.231	<0.152	<0.153	<0.273	<0.165
1,3-Dichlorobenzene	297	297	1.528	--	<0.122	<0.107	<0.0868	<0.0598	<0.186	<0.172	<0.145	<0.160	<0.147	<0.231	<0.152	<0.153	<0.273	<0.165
1,2-Dichlorobenzene	376	376	1.168	--	<0.0864	<0.0758	<0.0613	<0.0422	<0.186	<0.172	<0.145	<0.160	<0.147	<0.231	<0.152	<0.153	<0.273	<0.165
1,1-Dichloroethane	5.06	22.2	0.4834	--	<0.0999	<0.0873	<0.0707	<0.0491	<0.0929	<0.0859	<0.0723	<0.0800	<0.0734	<0.116	<0.0763	<0.0767	<0.136	<0.0822
1,1-Dichloroethene	320	1,190	0.005	--	<0.123	<0.108	<0.0875	<0.0607	<0.0929	<0.0859	<0.0723	<0.0800	<0.0734	<0.116	<0.0763	<0.0767	<0.136	<0.0822
cis-1,2-Dichloroethene	156	2,340	0.0412	--	<0.149	<0.131	<0.106	<0.0733	<0.0929	<0.0859	<0.0723	<0.0800	<0.0734	<0.116	<0.0763	<0.0767	0.22	0.337
Ethylbenzene	8.02	35.4	1.57	--	0.0471	<0.131	<0.106	<0.0733	<0.0929	<0.0859	<0.0723	<0.0800	<0.0734	<0.116	<0.0763	<0.0767	<0.136	<0.0822
p-Isopropyltoluene	162	162	---	--	<0.520	<0.453	<0.368	<0.255	<0.186	<0.172	<0.145	<0.160	<0.147	<0.231	<0.152	<0.153	<0.273	<0.165
Naphthalene	5.52	24.1	0.6582	--	<0.993	<0.869	<0.703	<0.487	<0.464	<0.430	<0.362	<0.401	<0.368	<0.578	<0.382	<0.384	<0.682	<0.411
Tetrachloroethene	33	145	0.0045	--	0.0564	<0.159	0.049	<0.0894	<0.0929	<0.0859	<0.0723	<0.0800	<0.0734	<0.116	0.0346	<0.0767	<0.136	<0.0822
Toluene	818	818	1.1072	--	0.134	<0.231	0.0792	<0.129	<0.186	0.0643	<0.145	<0.160	<0.147	<0.231	0.0415	<0.153	<0.273	<0.165
1,2,4-Trichlorobenzene	24	113	0.408	--	<0.896	<0.780	<0.636	<0.439	<0.464	<0.430	<0.362	<0.401	<0.368	<0.578	<0.382	<0.384	<0.682	<0.411
1,2,3-Trichlorobenzene	62.6	934	---	--	<1.49	<1.30	<1.06	<0.730	<0.464	<0.430	<0.362	<0.401	<0.368	<0.578	<0.382	<0.384	<0.682	<0.411
1,1,1-Trichloroethane	640	640	0.1402	--	<0.188	<0.164	0.766	0.043	<0.0929	<0.0859	<0.0723	0.242	0.149	0.077	0.192	0.128	0.299	0.0388
1,1,2-Trichloroethane	1.59	7.01	0.0032	--	<0.121	<0.106	<0.0860	<0.0595	<0.0929	<0.0859	<0.0723	<0.0800	<0.0734	<0.116	0.0219	<0.0767	<0.136	<0.0822
Trichloroethene (TCE)	1.3	8.41	0.0036	--	0.245	0.331	0.405	0.398	0.0719	0.0919	0.0746	1.22	0.243	0.091	0.202	0.0359	1.94	4.53
1,2,4-Trimethylbenzene	219	219	1.3787	--	0.149	<0.281	0.0748	<0.158	0.136	<0.172	<0.145	<0.160	<0.147	<0.231	<0.152	<0.153	<0.273	<0.165
1,3,5-Trimethylbenzene	182	182	1.3787	--	<0.407	<0.356	<0.289	<0.200	<0.186	<0.172	<0.145	<0.160	<0.147	<0.231	<0.152	<0.153	<0.273	<0.165
Trimethylbenzenes	--	---	1.3787	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Vinyl Chloride	0.067	2.08	0.0001	--	<0.235	<0.207	<0.167	<0.116	<0.0929	<0.0859	<0.0723	<0.0800	<0.0734	<0.116	<0.0763	<0.0767	<0.136	<0.0822
Total Xylenes	260	260	3.96	--	0.336	0.131	0.167	<0.0877	0.0875	0.0988	<0.188	0.0377	<0.191	0.134	0.0838	<0.200	0.15	<0.213
1,4 dioxane	5.72	26.5	0.0012	--	<3.01	<3.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Diesel Range Organics (DRO)	--	--	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gasoline Range Organics (GRO)	--	--	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Organic Carbon (TOC)	--	--	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arsenic	0.677	3	0.542	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barium	15,300	100,000	164.8	364	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Chromium	--	--	360,000	44	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lead	400	800	27	52	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes:

¹ Industrial Direct Contact RCLs using the USEPA Regional Screen Level Web Calculator PUB-RR-890, Updated Dec. 2018

² WI DNR 720 RCLs Quick Reference Table Contaminated Soil (October 2018)

XXX = Value detected above laboratory limit of detection

XXX = Value exceeds Protection of Groundwater RCLs

XXX = Value exceeds Residential Direct Contact RCLs

XXX = Value exceeds Industrial Direct Contact RCLs

N/A - Constituent not analyzed

--- - No standard established

"J" - Below laboratory limit of detection and limit of quantification

bgs - below ground surface

mg/kg - milligrams per kilogram

< - Below Laboratory Detection Limits

TABLE A.3
RESIDUAL SOIL ANALYTICAL RESULTS

Superior Health Linens
5005 S. Packard Avenue
Cudahy, WI

CONSTITUENT	Residential Direct Contact RCL (mg/kg) ¹	Industrial Direct Contact RCL (mg/kg) ¹	Protection of Groundwater RCL (mg/kg) ¹	Inorganic Background Threshold Values (mg/kg) ²	SAMPLE ID									
					HA-17		HA-19		HA-22			HA-24		HA-25
					11/15/2021 1 - 2'	11/15/2021 3 - 4'	11/15/2021 1 - 2'	11/15/2021 3 - 4'	11/23/2021 1 - 2'	11/23/2021 1 - 2' DUP	11/23/2021 3 - 4'	11/23/2021 1 - 2'	11/23/2021 3 - 4'	11/23/2021 1 - 2'
Date Collected					U	U	U	U	U	U	U	U	U	U
Depth (feet bgs)					U	U	U	U	U	U	U	U	U	U
Saturated(s)/Unsaturated(u)					U	U	U	U	U	U	U	U	U	U
Benzene	1.6	7.07	0.0051	--	<0.0467	<0.0289	<0.0611	<0.0300	<0.0311	<0.0343	<0.0292	<0.0323	<0.0294	<0.0351
Carbon Tetrachloride	0.916	4.03	0.0039	--	<0.233	<0.145	<0.305	<0.150	<0.156	<0.171	<0.146	<0.162	<0.147	<0.176
1,3-Dichlorobenzene	297	297	1.528	--	<0.233	<0.145	<0.305	<0.150	<0.156	<0.171	<0.146	<0.162	<0.147	<0.176
1,2-Dichlorobenzene	376	376	1.168	--	<0.233	<0.145	<0.305	<0.150	<0.156	<0.171	<0.146	<0.162	<0.147	<0.176
1,1-Dichloroethane	5.06	22.2	0.4834	--	<0.117	<0.0723	<0.153	<0.0750	<0.0779	<0.0856	<0.0731	<0.0807	<0.0735	<0.0877
1,1-Dichloroethene	320	1,190	0.005	--	<0.117	<0.0723	<0.153	<0.0750	<0.0779	<0.0856	<0.0731	<0.0807	<0.0735	<0.0877
cis-1,2-Dichloroethene	156	2,340	0.0412	--	0.0371	<0.0723	0.15	<0.0750	<0.0779	0.0319	<0.0731	<0.0807	<0.0735	<0.0877
Ethylbenzene	8.02	35.4	1.57	--	<0.117	<0.0723	<0.153	<0.0750	<0.0779	<0.0856	<0.0731	<0.0807	<0.0735	<0.0877
p-Isopropyltoluene	162	162	---	--	<0.233	<0.145	<0.305	<0.150	<0.156	<0.171	<0.146	<0.162	<0.147	<0.176
Naphthalene	5.52	24.1	0.6582	--	<0.583	<0.362	<0.763	<0.376	<0.390	<0.429	<0.366	<0.404	<0.368	<0.438
Tetrachloroethene	33	145	0.0045	--	<0.117	<0.0723	<0.153	<0.0750	<0.0779	<0.0856	<0.0731	<0.0807	<0.0735	<0.0877
Toluene	818	818	1.1072	--	<0.233	<0.145	<0.305	<0.150	<0.156	0.0724	<0.146	<0.162	<0.147	<0.176
1,2,4-Trichlorobenzene	24	113	0.408	--	<0.583	<0.362	<0.763	<0.376	<0.390	<0.429	<0.366	<0.404	<0.368	<0.438
1,2,3-Trichlorobenzene	62.6	934	---	--	<0.583	<0.362	<0.763	<0.376	<0.390	<0.429	<0.366	<0.404	<0.368	<0.438
1,1,1-Trichloroethane	640	640	0.1402	--	<0.117	<0.0723	0.373	<0.0750	0.0383	0.036	<0.0731	<0.0807	<0.0735	0.0487
1,1,2-Trichloroethane	1.59	7.01	0.0032	--	<0.117	<0.0723	<0.153	<0.0750	<0.0779	<0.0856	<0.0731	<0.0807	<0.0735	<0.0877
Trichloroethene (TCE)	1.3	8.41	0.0036	--	2.42	0.162	5.19	0.161	0.497	0.65	0.0975	0.571	0.138	0.499
1,2,4-Trimethylbenzene	219	219	1.3787	--	<0.233	<0.145	<0.305	<0.150	<0.156	0.0549	<0.146	<0.162	<0.147	<0.176
1,3,5-Trimethylbenzene	182	182	1.3787	--	<0.233	<0.145	<0.305	<0.150	<0.156	<0.171	<0.146	<0.162	<0.147	<0.176
Trimethylbenzenes	--	---	1.3787	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Vinyl Chloride	0.067	2.08	0.0001	--	<0.117	<0.0723	<0.153	<0.0750	<0.0779	<0.0856	<0.0731	<0.0807	<0.0735	<0.0877
Total Xylenes	260	260	3.96	--	0.0534	<0.189	<0.396	<0.196	0.0589	0.105	<0.191	0.0344	<0.192	0.0489
1,4 dioxane	5.72	26.5	0.0012	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Diesel Range Organics (DRO)	--	--	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gasoline Range Organics (GRO)	--	--	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Organic Carbon (TOC)	--	--	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arsenic	0.677	3	0.542	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barium	15,300	100,000	164.8	364	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Chromium	--	--	360,000	44	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lead	400	800	27	52	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes:

- ¹ Industrial Direct Contact RCLs using the USEPA Regional Screen Level Web Calculator PUB-RR-890, Updated Dec. 2018
- ² WI DNR 720 RCLs Quick Reference Table Contaminated Soil (October 2018)
- XXX = Value detected above laboratory limit of detection
- XXX = Value exceeds Protection of Groundwater RCLs
- XXX = Value exceeds Residential Direct Contact RCLs
- XXX = Value exceeds Industrial Direct Contact RCLs
- N/A - Constituent not analyzed
- - No standard established
- "J" - Below laboratory limit of detection and limit of quantification
- bgs - below ground surface
- mg/kg - milligrams per kilogram
- < - Below Laboratory Detection Limits

TABLE A.4.1

DEEP SOIL GAS ANALYTICAL TABLE

Superior Health Linens
5005 S. Packard Avenue
Cudahy, WI

Sample Type - Deep Soil Gas (DSG)	Residential Indoor Air VALS	Residential Sub- slab/Soil Gas VRSL	Small Commercial Building Indoor Air VAL	Small Commercial Building Sub- slab/Soil-Gas VRSL	Large Commercial Building Indoor Air VAL	Large Commercial Building Sub- slab/Soil-Gas VRSL	DSG	DSG	DSG
Sample I.D.							DSG-1	DSG-2	DSG-3
Location on Property							Sanitary Trench Near Bldg	Near Water Supply Trench	Sanitary Trench Near Holmes Ave
Tracer Gas - Present (P) Not Present (NP)							NP	NP	NP
Laboratory							Pace	Pace	Pace
Duration of Sample Collection (hrs)							0.5	0.5	0.5
Date Collected							5/7/15	5/7/15	5/7/15
Parameter									
VOCs (ug/m ³) by EPA Method TO-15									
Acetone	3,200	110,000	140,000	4,700,000	140,000	14,000,000	366	705	570
Allyl chloride	1.0	33	4.4	147	4.4	440	---	---	---
Benzene	3.6	120	16	520	16	1,600	12	18.7	17.3
Benzyl Chloride	0.6	19	2.5	83	2.5	250	<0.28	<0.33	<0.26
Bromodichloromethane	0.8	25	3.3	110	3.3	330	<0.33	<0.39	<0.30
Bromoform	26	870	110	3,700	110	11,000	<1.5	<1.8	<1.4
Bromomethane	5.2	170	22	730	22	2,200	<0.52	<0.62	<0.48
1,3-Butadiene	0.9	31	4.1	140	4.1	410	<0.30	<0.35	<0.27
2-Butanone (MEK)	5,210	170,000	22,000	730,000	22,000	2,200,000	16.8	42.6	46.2
Carbon disulfide	730	24,000	3,100	103,000	3,100	310,000	3.30	4.9	4.4
Carbon tetrachloride	5	160	20	670	20	2,000	<0.32	<0.39	<0.30
Chlorobenzene	52	1,700	220	7,300	220	22,000	<0.23	<0.27	<0.21
Chloroethane	---	---	---	---	---	---	<0.33	<0.39	<0.30
Chloroform	1.2	40	5.3	180	5.3	530	<0.32	<0.38	2.0
Chloromethane	94	3,100	390	13,000	390	39,000	1.4	1.3	<0.17
2-Chlorotoluene	---	---	---	---	---	---	---	---	---
Cyclohexane	6,260	210,000	26,000	870,000	26,000	2,600,000	14.9	19.8	14.4
Dibromochloromethane	---	---	---	---	---	---	<1.4	<1.7	<1.3
1,2-Dibromoethane	0.04	1	0.2	7	0.2	20	<1.3	<1.6	<1.2
1,2-Dichlorobenzene	210	7,000	880	29,000	880	88,000	<0.86	<1.0	<0.79
1,3-Dichlorobenzene	---	---	---	---	---	---	<0.89	14.6	16.9
1,4-Dichlorobenzene	2.6	87	11	370	11	1,100	<0.84	<1.0	<0.77
Dichlorodifluoromethane	100	3,300	440	15,000	440	44,000	<0.81	<0.96	<0.74
1,1-Dichloroethane	18	600	77	2,600	77	7,700	112	8.2	11.8
1,2-Dichloroethane	1.1	37	4.7	160	4.7	470	<0.34	25.2	<0.32
1,1-Dichloroethene	210	7,000	880	29,000	880	88,000	<0.40	<0.48	<0.37
cis-1,2-Dichloroethene	---	---	---	---	---	---	3.1	<0.49	0.82J
trans-1,2-Dichloroethene	42	1,400	180	6,000	180	18,000	<0.65	<0.77	<0.60

TABLE A.4.1

DEEP SOIL GAS ANALYTICAL TABLE

Superior Health Linens
5005 S. Packard Avenue
Cudahy, WI

Sample Type - Deep Soil Gas (DSG)	Residential Indoor Air VALS	Residential Sub- slab/Soil Gas VRSL	Small Commercial Building Indoor Air VAL	Small Commercial Building Sub- slab/Soil-Gas VRSL	Large Commercial Building Indoor Air VAL	Large Commercial Building Sub- slab/Soil-Gas VRSL	DSG	DSG	DSG
Sample I.D.							DSG-1	DSG-2	DSG-3
Location on Property							Sanitary Trench Near Bldg	Near Water Supply Trench	Sanitary Trench Near Holmes Ave
Tracer Gas - Present (P) Not Present (NP)							NP	NP	NP
Laboratory							Pace	Pace	Pace
Duration of Sample Collection (hrs)							0.5	0.5	0.5
Date Collected							5/7/15	5/7/15	5/7/15
Parameter									
VOCs (ug/m ³) by EPA Method TO-15									
1,2-Dichloropropane	4.2	140	12	400	12	1,200	<0.45	<0.54	<0.42
cis-1,3-Dichloropropene	---	---	---	---	---	---	<0.62	<0.74	<0.57
trans-1,3-Dichloropropene	---	---	---	---	---	---	<0.44	<0.52	<0.40
Dichlorotetrafluoroethane	---	---	---	---	---	---	<0.52	<0.62	<0.48
1,2-Dichlorotetrafluoroethane	---	---	---	---	---	---	---	---	---
1,4-Dioxane	5.6	190	25	830	25	2,500	---	---	---
Ethanol	---	---	---	---	---	---	36.6	20.2	46.1
Ethyl acetate	73	2,400	310	10,300	310	31,000	<0.58	<0.70	0.78J
Ethylbenzene	11	370	49	1,600	49	4,900	181	253.0	198
4-Ethyl toluene	---	---	---	---	---	---	44.7	68.7	49.8
N-Heptane	417	14,000	1,800	60,000	1,800	180,000	14.1	20.3	16.1
Heptane	---	---	---	---	---	---	---	---	---
Hexachloro-1,3-butadiene	1.3	43	5.6	190	5.6	560	<1.1	<1.3	<1.0
n-Hexane	730	24,000	3,100	103,000	3,100	310,000	13.6	28.8	25.1
2-Hexanone	31	1,000	130	4,300	130	13,000	3.3	<0.82	7.7
Isopropylbenzene	---	---	---	---	---	---	---	---	---
Methylene Chloride	630	21,000	2,600	87,000	2,600	260,000	17.9	20.4	10.7
Methyl Butyl Ketone	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone (MIBK)	3,130	100,000	13,000	430,000	13,000	1,300,000	6.5	9.1	9.4
Methyl-tert-butyl ether (MTBE)	110	3,700	470	16,000	470	47,000	<0.51	<0.61	3.1
Methyl methacrylate	---	---	---	---	---	---	---	---	---
Naphthalene	0.83	28	3.6	120	3.6	360	21.6	29.2	25.6
2-Propanol	209	7,000	880	29,000	880	88,000	<0.40	<0.48	<0.37
Propylene	3,130	100,000	13,000	430,000	13,000	1,300,000	11.5	<0.27	32.4
Styrene	1,040	35,000	4,400	150,000	4,400	440,000	29.1	44.1	30.2
1,1,2,2-Tetrachloroethane	3.8	130	17	570	17	1,700	<0.55	<0.66	<0.51
Tetrachloroethene	42	1,400	180	6,000	180	18,000	224	267	186
Tetrahydrofuran	2,090	70,000	8.8	290	8.8	880	<0.20	<0.24	<0.18

TABLE A.4.1

DEEP SOIL GAS ANALYTICAL TABLE

Superior Health Linens
5005 S. Packard Avenue
Cudahy, WI

Sample Type - Deep Soil Gas (DSG)	Residential Indoor Air VALs	Residential Sub- slab/Soil Gas VRSL	Small Commercial Building Indoor Air VAL	Small Commercial Building Sub- slab/Soil-Gas VRSL	Large Commercial Building Indoor Air VAL	Large Commercial Building Sub- slab/Soil-Gas VRSL	DSG	DSG	DSG
Sample I.D.							DSG-1	DSG-2	DSG-3
Location on Property							Sanitary Trench Near Bldg	Near Water Supply Trench	Sanitary Trench Near Holmes Ave
Tracer Gas - Present (P) Not Present (NP)							NP	NP	NP
Laboratory							Pace	Pace	Pace
Duration of Sample Collection (hrs)							0.5	0.5	0.5
Date Collected							5/7/15	5/7/15	5/7/15
Parameter									
VOCs (ug/m ³) by EPA Method TO-15									
Toluene	5,210	170,000	22,000	730,000	22,000	2,200,000	175	320	251
1,2,4-Trichlorobenzene	2.1	70	8.8	290	8.8	880	<1.5	<1.8	<1.4
1,1,1-Trichloroethane	5,200	170,000	22,000	730,000	22,000	2,200,000	486	278	176
1,1,2-Trichloroethane	0.2	7	0.9	30	0.9	90	<0.41	<0.49	<0.38
Trichloroethene	2.1	70	8.8	290	8.8	880	38.2	7.0	5.2
Trichlorofluoromethane	---	---	---	---	---	---	<0.22	<0.27	<0.20
1,1,2-Trichlorotrifluoroethane	5,210	170,000	22,000	730,000	22,000	2,200,000	<0.51	<0.61	<0.47
1,2,4-Trimethylbenzene	63	2,100	260	8,700	260	26,000	110	183	129
1,3,5-Trimethylbenzene	63	2,100	260	8,700	260	26,000	38.1	63.3	44.2
2,2,4-Trimethylpentane	---	---	---	---	---	---	---	---	---
Vinyl Acetate	210	7,000	880	2,900	880	88,000	<0.55	<0.66	<0.51
Vinyl Bromide	1.9	63	8.2	270	8.2	820	---	---	---
Vinyl Chloride	1.7	57	28	930	28	2,800	<0.33	<0.39	<0.30
m&p-Xylene	100	3,300	440	15,000	440	44,000	380	729	525
o-Xylene	100	3,300	440	14,667	440	44,000	209	219	147

Bold values exceed target levels

Vapor Action Levels based on USEPA Regional Screening Levels (RSLs), November 2014

ug/m³ = Micrograms per cubic meter

- - Not analyzed or No Target Indoor Concentration Listed

Sub-Slab samples collected using the helium shroud and shut-in test method

Helium meter used to detect tracer gas during sub-slab sample collection procedure

All vapor samples collected into 6 liter Summa canisters

TABLE A.4.2

SUB-SLAB / HIGH PURGE VOLUME ANALYTICAL TABLE

Superior Health Linens
5005 S. Packard Avenue
Cudahy, WI

Sample Type - Sub-Slab (SS) / High Purve Volume (HPV)	Residential Indoor Air VALs	Residential Sub-slab/Soil Gas VRSL	Small Commercial Building Indoor Air VAL	Small Commercial Building Sub-slab/Soil-Gas VRSL	Large Commercial Building Indoor Air VAL	Large Commercial Building Sub-slab/Soil-Gas VRSL	Target Sub-Slab Vapor Risk Screening Levels (Large Commercial Buildings) ¹	SS	SS	SS	SS	SS	SS	HPV
Sample I.D.								SSV-1	SSV-2	SSV-3	SSV-5	SV2-1	SV2-2	HPV-1
Location Within Building								North Central	Near South Wall	SE Wall	SW Corner	Near S Wall by SSV-2	SW Corner by SSV-5	SW Corner
Tracer Gas - Present (P) Not Present (NP)								NP	NP	NP	NP	NP	NP	NP
Laboratory								Pace	Pace	Pace	Pace	Pace	Pace	Pace
Duration of Sample Collection (hrs)								1	1	1	1	1	1	2
Date Collected								2/8/13	2/8/13	2/8/13	2/8/13	10/11/13	10/11/13	12/29/20
1,1,1-Trichloroethane								5,200	170,000	22,000	730,000	22,000	2,200,000	2,200,000
1,1-Dichloroethane	18	600	77	2,600	77	7,700	7,700	--	--	--	--	--	--	4.33
2,2,4-Trimethylpentane	---	---	---	---	---	---	--	--	--	--	--	--	--	2.37
Isopropyl Alcohol	210	7,000	880	29,300	880	88,000	--	--	--	--	--	--	--	30.2
1,1-Dichloroethene	18	600	77	2600	77	7700	88,000	<5.5	<1.4	<1.3	<1.6	<16.2	<14.8	<0.793
Acetone	3,200	110,000	140,000	4,700,000	140,000	14,000,000	--	--	--	--	--	--	--	21.5
Benzene	3.6	120	16	520	16	1,600	1,600	--	--	--	--	--	--	3.74
Chloromethane	94	3,100	390	13,000	390	39,000	39,000	--	--	--	--	--	--	2.23
cis-1,2-Dichloroethene	---	---	---	---	---	---	--	<5.5	<1.4	<1.3	<1.6	<16.2	<14.8	23.9
Dichlorodifluoromethane	100	3,300	440	15,000	440	44,000	44,000	--	--	--	--	--	--	2.05
Ethanol	---	---	---	---	---	---	--	--	--	--	--	--	--	64.1
N-Heptane	---	---	---	---	---	---	--	--	--	--	--	--	--	79.3
Methylene Chloride	630	21,000	2,600	87,000	2,600	260,000	260,000	--	--	--	--	--	--	0.809
Hexane	140	4,700	610	20,300	610	61,000	--	--	--	--	--	--	--	2.44
Tetrachloroethene	42	1,400	180	6,000	180	18,000	180,000	<4.7	<1.2	<1.1	<1.3	<13.8	<14.8	9.3
Toluene	5,210	170,000	22,000	730,000	22,000	2,200,000	2,200,000	--	--	--	--	--	--	2.03
trans-1,2-Dichloroethene	42	1,400	180	6,000	180	18,000	--	<5.5	<1.4	<1.3	<1.6	<16.2	<14.8	9.83
Trichlorofluoromethane	---	---	---	---	---	---	--	--	--	--	--	--	--	1.25
Trichloroethene	2.1	70	8.8	290	8.8	880	880	<3.7	<0.092	1.1	<1.1	60.1	1,320	3,210
Vinyl Chloride	1.7	57	28	930	28	2,800	2,800	<1.8	<0.44	<0.40	<0.50	<5.2	<4.8	<0.511

Bold values exceed target levels

Vapor Action Levels based on USEPA Regional Screening Levels (2017)

ug/m³ = Micrograms per cubic meter

-- Not analyzed or No Target Indoor Concentration Listed

All vapor samples collected into 6 liter Summa canisters

TABLE A.4.3

AMBIENT AIR SAMPLE ANALYTICAL TABLE

Superior Health Linens
5005 S. Packard Avenue
Cudahy, WI

Sample Type - Ambient Air (AA)	Residential Indoor Air VALs	Small Commercial Building Indoor Air VAL	Large Commercial Building Indoor Air VAL	Large Commercial / Industrial ¹	OSHA 8-Hour Time Weighted Average (TWA) (ug/m ³)	AA	AA	AA	AA
Sample I.D.						IA-2	IA-3	IA-4	OA-1 ²
Location on Property						North Central	Near South Wall	SE Wall	Outdoors, SW Corner
Laboratory						Pace	Pace	Pace	Pace
Duration of Sample Collection (hrs)						1	1	1	1
Date Collected						2/4/21	2/4/21	2/4/21	2/4/21
Benzene	3.6	16	16	16	31,927	0.722	0.629	0.604	0.687
Carbon Tetrachloride	4.7	20	20	20.4	62,873	0.503	0.503	0.518	0.49
Chloroethane	---	---	---	43,800	2,600,000	<0.106	<0.106	<0.106	<0.106
Chloroform	1.2	5.3	5.3	5.3	240,000	0.492	0.691	0.521	<0.0973
Chloromethane	94	390	390	390	206,370	1.12	1.17	1.21	1.0
1,2-Dibromoethane	0.04	0.2	0.2	0.204	153,570	<0.154	<0.154	<0.154	<0.154
1,4-Dichlorobenzene	2.6	11	11	11.1	450,000	0.202	0.168	0.15	<0.12
1,1-Dichloroethane	18	77	77	76.7	400,000	<0.0802	<0.0802	<0.0802	<0.0802
1,2-Dichloroethane	1.1	4.7	4.7	4.7	8,000	<0.081	<0.081	<0.081	<0.081
1,1-Dichloroethene	210	880	880	880	NR	<0.0793	<0.0793	<0.0793	<0.0793
cis-1,2-Dichloroethene	---	---	---	NE	790,000	0.381	0.527	0.42	<0.0793
trans-1,2-Dichloroethene	42	180	180	180	790,000	<0.0793	<0.0793	<0.0793	<0.0793
1,2-Dichloropropane	4.2	12	12	17.5	350,000	<0.139	<0.139	<0.139	<0.139
cis-1,3-Dichloropropene	---	---	---	NE	NR	<0.0908	<0.0908	<0.0908	<0.0908
trans-1,3-Dichloropropene	---	---	---	NE	NR	<0.136	<0.136	<0.136	<0.136
Ethylbenzene	11	49	49	49	435,000	0.372	0.324	0.322	0.21
1,1,2,2-Tetrachloroethane	3.8	17	17	2.11	35,000	<0.137	<0.137	<0.137	<0.137
Tetrachloroethene	42	180	180	180	677,820	0.513	0.435	0.438	0.158
1,1,1-Trichloroethane	5200	22000	22000	22,000	1,900,000	0.219	0.155	0.173	<0.109
1,1,2-Trichloroethane	0.2	0.9	0.9	0.876	45,000	<0.163	<0.163	<0.163	<0.163
Trichloroethene	2.1	8.8	8.8	8.80	537,050	0.125	0.114	0.133	<0.107
Vinyl chloride	1.7	28	28	28	2,555	<0.0511	<0.0511	<0.0511	<0.0511
Vinyl Acetate	210	880	880	876	NR	<0.0704	<0.0704	<0.0704	<0.0704

Notes

¹ = WI Vapor Quick Look-up Table / Indoor Air Vapor Action Levels and Vapor Risk Screening Levels

² = Outdoor Air Sample

BOLD = Exceeds EPA's Target Indoor Air Concentration (Target Cancer Risk = 1 x 10⁻⁵ or Target Hazard Quotient = 1)

NE = Target Indoor Air Concentration Not Established

NR = Compound Not Regulated Under the Occupational Safety and Health Administration (OSHA)